

CATALOG

Machines & Equipments

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FORBEHOLD OM PRISENDRINGER OG FEIL

AT&S

Watchmaker bench "DELTA-FUTURA-TEAM" White Design

Ergonomic watchmaker bench in white colour, highest functionality - down to the smallest detail.

Lightgrey (extra easy on the eyes) HPL surface on top plate 145 x 81,5 x 4 cm, stepless height adjustment with upholstered and adjustable arm rests with 3D joints, black (RAL 9005) powder coated metal frame (very solid construction - vibration-free).



Electrical (110-220 V) stepless height adjustment from 88 up to 134 cm
2 Drawer Units, left with 4 and right side with 5 rollerguided
Right hand drawer unit with 4 (1-4) practical drawer divisions
Small pul-out plate under top plate W 19,5 x D 32 cm
Second telescopic pull-out shelf W 53,5 x D 45 x H 4,0 cm
Closed rear wall W 126 x H 57 cm - for privacy screen and extra stability safety/torsion-resistants

Incl. large deposit table plate W 126 x D 54 cm under top plate
Drawers H 59 x W 35 x T 52 cm, with black handle strips
Down, lefthand side (size/volume) for lathe or riveting machine
Dorsal cable tray L 60 cm
Leg frame w. adjustable foot gliders. Compensation for unevenness floor

With the following Specials:

Bush Bearing concentric for Waldmann/RMD Lamps
Cable Passage Ø 80 mm right hand side

Multisocket 13 x 7,5 cm left hand side (1x 220V und 2 x USB)
Combi-Device with wooden fitting - price on request



Shape of the table top: The table top has an innovative, beveled "Delta" shape. The worktop is beveled in the rear area where the watchmaker's hands cannot reach anyway. The angle of the front edge in the area of the forearms enables fatigue-free work, as the correct hand position is already prepositioned on the work surface. Advantages: No wasted space/space-saving and ideal for the increasingly important agile and communicative teamwork. Due to the special shape, cluster solutions can be created, e. g. 3 or 5 person table arrangements without the integration of intermediate/side tables! This ensures particularly fast and efficient team communication with mutual visual/eye contact. Supervisors or trainers can be perfectly integrated into the 3 or 5 cluster with their table. 2 arm rests (padded) with 3 D joints: The watchmaker for mechanical watches works in the close- up range of 25-35 cm (eyes to the hand position) and is therefore particularly at risk of developing muscular neck/shoulder tension or back problems in the cervical spine. This can be counteracted in the best possible way with the innovative, padded 3 D joint-armrests in connection with the electrically/stepless table top height adjustment (88 - 134 cm). The special thing about the 3 D joint-armrest is, that in addition to the existing position angle to the worktop, an adjustable angle of inclination (of up to 45 °) can be combined with an additional tilt angle adjustment of up to 75 °. Advantage: The additional angle of inclination adjustment of the armrests relieves the cervical spine and the neck/shoulder muscles significantly. To put it more simply: The increased load (weight) of the forward-leaning upper body is best absorbed by the forearms (forearm rests). Another plus is the tilt angle adjustment of the armrests. This additionally stabilizes the upper body (in the forward and backward position). This ensures more rest in the upper body and in the hands, which in turn has a positive effect on the fine motor skills of the hands/fingers/thumbs of the watchmaker during filigree work (e. g. on the regulator). Further advantages of our height-adjustable watchmaker's table with variably adjustable 3D armrests: Ergonomic work in perfect posture. Increased efficiency. Your body's own movements such as breathing, heartbeat, etc. are effectively absorbed. Relief of the postural muscles. Body and mind come into an active equilibrium. More rest from work for fine motor activities of the watchmaker. Increase in concentration, well-being and performance. A combination compressed air and vacuum distributor (Art.-No.: 3752) with an integrated/automatic return system can be integrated at additional cost. Electric height adjustment electrically/continuously adjustable so that the perfect upper body/armpit height positioning can be achieved. The table can also be used temporarily as a standing workstation.

Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3804.145-2	With 2 Drawer Units . 1450 x 815 x 40 mm	195,000 Kg	SWISOTECH	Bestillingsvare	1	41 208

subject to technical change

Watchmaker bench "ERGOLIFT S2" Beech Design construction - vibration-free).

Ergonomic watchmaker bench - beech - veneered worktop 150 x 65 x 4 cm
stepless height adjustment with upholstered and adjustable arm rests with 3D joints,black powder coated metal frame (very solid construction - vibration-free).



- electrical (110-220 V) stepless height adjustment from 88 up to 134 cm
- incl.large deposit table plate W 126 x D 54 cm under top plate
- 2 Drawer Units, left with 4 and right side with 5 rollerguided drawers H 59 x W 35 x D 52 cm, with black handle strips right hand drawer unit with 4 (1-4) practical drawer divisions down, for lathe or riveting machine
- small pullout plate under top plate W 19,5 x D 32 cm
- second telescopic pull-out shelf W 53 x D 45 x H 4 cm for Notebook or keyboard
- closed rear wall W 126 x H 57 cm for privacy screen and extra stability safety/torsi
- dorsal cable tray L 60 cm
- leg frame with adjustable foot gliders. Compensation for unevenness in the floor



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3803.150-2	2 Drawer Units. Size 1500 x 650 x 40 mm	198,000 Kg	SWISOTECH	Bestillingsvare	1	35 880

subject to technical change

Watchmaker Bench „ERGOLIFT S2" Beech Design

Ergonomic watchmaker bench - beech - veneered worktop 125 x 63 x 4 cm,
stepless height adjustment with upholstered and adjustable arm rests with 3D joints,
black powder coated metal frame (very solid construction - vibration-free).

- electrical (110-220 V) stepless height adjustment from 92 up to 138 cm
- incl.large deposit table plate W 106 x D 54 cm under top plate
- 2 Drawer Units, left with 4 and right side with 5 rollerguided drawers H 59 x W 25 x D 52 cm, with black handle strips
- small pullout plate under top plate W 19,5 x D 32 cm
- second telescopic pull-out shelf W 53 x D 45 x H 4 cm for Notebook or keyboard
- closed rear wall W 106 x H 57 cm for privacy screen and extra stability safety/torsion
- dorsal cable tray L 60 cm
- leg frame with adjustable foot gliders. Compensation for unevenness in the floor



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3803.125-2	2 Drawer Units. Size 1250 x 650 x 40 mm	167 Kg	SWISOTECH	Bestillingsvare	1	34 440

subject to technical change

Watchmaker bench "ERGOLIFT XL2" White Design

Ergonomic watchmaker bench, lightgrey HPL surface on top plate 145 x 63 x 4 cm, stepless height adjustment with upholstered and adjustable arm rests with 3D joints, black powder coated metal frame (very solid construction - vibration-free).

- electrical (110-220 V) stepless height adjustment from 88 up to 134 cm
- incl. large deposit table plate W 126 x D 54 cm under top plate
- 2 Drawer Units, left with 4 and right side with 5
 rollerguided drawers H 59 x W 35 x D 52 cm, with black handle strips right hand drawer with 4 (1-4) practical drawer divisions down, lefthand side (size/volume) for lathe or ri
- small pull-out plate under top plate W 19,5 x D 32 cm
- second telescopic pull-out shelf W 53,5 x D 45 x H 4 cm for Notebook or keybord
- closed rear wall W 126 x H 57 cm for privacy screen and extra stability safety/torsion-r
- dorsal cable tray L 60 cm
- leg frame with adjustable foot gliders. Compensation for unevenness in the floor



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3802.145-2	With 2 Drawer Units. Size 1450 x 630 x 40 mm	195 Kg	SWISOTECH	Bestillingsvare	1	33 672
3802S.145-2	With 2 Drawer Units. Size 1450 x 630 x 40 mm Lifting capacity up to 160 Kg for Lamina Flow	195 Kg	SWISOTECH	Bestillingsvare	1	36 072

subject to technical change

Watchmaker bench "ERGOLIFT S2" White Design

Ergonomic watchmaker bench, lightgrey HPL surface on top plate 125 x 63 x 4 cm, stepless height adjustment with upholstered and adjustable arm rests with 3D joints, black powder coated metal frame (very solid construction - vibration-free).

- electrical (110-220 V) stepless height adjustment from 88 up to 134 cm incl.
- incl. large deposit table plate W 106 x D 54 cm under top plate
- 2 Drawer Units, left with 4 and right side with 5
 rollerguided drawers H 59 x W 35 x D 52 cm, with black handle strips right hand drawer un with 4 (1-4) practical drawer divisions.
- small pull-out plate under top plate W 19,5 x D 32 cm
- second telescopic pull-out shelf W 65,5 x D 45 x H 4 cm for Notebook or keyboard
- closed rear wall W 106 x H 57 cm for privacy screen and extra stability safety/torsion-resist
- dorsal cable tray L 60 cm
- leg frame with adjustable foot gliders. Compensation for unevenness in the floor



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3802.125-2	2 Drawer Units. Size 1250 x 630 x 40 mm	165 Kg	SWISOTECH	Bestillingsvare	1	31 752
3802S.125-2	2 Drawer Units. Size 1250 x 630 x 40 mm Lifting capacity up to 160 Kg for Lamina Flow	165 Kg	SWISOTECH	Bestillingsvare	1	34 152

subject to technical change

Watchmaker bench "ERGOLIFTER S1" White Design

Ergonomic watchmaker bench, lightgrey HPL surface on top plate 125/145 x 63 x 4 cm, stepless height adjustment with upholstered and adjustable arm rests with 3D joints, black powder coated metal frame (very solid construction - vibration-free).



- electrical (110-220 V) stepless height adjustment from 88 up to 134 cm incl.
- incl. large deposit table plate W 106 x D 54 cm under top plate
- 2 Drawer Units, left with 4 and right side with 5
rollerguided drawers H 57 x W 25 x D 52 cm, with black handle strips
- small pull-out plate under top plate W 19,5 x D 32 cm
- second telescopic pull-out shelf W 53,5 x D 45 x H 4 cm for Notebook or keyboard
- closed rear wall W 106 x H 57 cm for privacy screen and extra stability safety/torsion-resistant
- dorsal cable tray L 60 cm
- leg frame with adjustable foot gliders. Compensation for unevenness in the floor

Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3802.125-R	With 1 Drawer Unit right hand 1250 x 630 x 40 mm	145 Kg	SWISOTECH	Bestillingsvare	1	30 792
3802.125-L	With 1 Drawer Unit left hand 1250 x 630 x 40 mm	145 Kg	SWISOTECH	Bestillingsvare	1	30 792
3802.145-R	With 1 Drawer Unit right hand 1450 x 630 x 40 mm	145 Kg	SWISOTECH	Bestillingsvare	1	33 192
3802.145-L	With 1 Drawer Unit left hand 1450 x 630 x 40 mm	145 Kg	SWISOTECH	Bestillingsvare	1	33 192

subject to technical change

Watchmaker bench "ERGOLIFTER S1" Beech Design

Ergonomic watchmaker bench, lightgrey HPL surface on top plate 125 x 63 x 4 cm, stepless height adjustment with upholstered and adjustable arm rests with 3D joints, black powder coated metal frame (very solid construction - vibration-free).



- electrical (110-220 V) stepless height adjustment from 88 up to 134 cm incl.
- incl. large deposit table plate W 106 x D 54 cm under top plate
- 2 Drawer Units, left with 4 and right side with 5
rollerguided drawers H 57 x W 25 x D 52 cm, with black handle strips
- small pull-out plate under top plate W 19,5 x D 32 cm
- second telescopic pull-out shelf W 53,5 x D 45 x H 4 cm for Notebook or keyboard
- closed rear wall W 106 x H 57 cm for privacy screen and extra stability safety/torsion-resistant
- dorsal cable tray L 60 cm
- leg frame with adjustable foot gliders. Compensation for unevenness in the floor

Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3803.125-R	With 1 Drawer Unit right hand 1250 x 630 x 40 mm	145 Kg	SWISOTECH	Bestillingsvare	1	32 520
3803.125-L	With 1 Drawer Unit left hand 1250 x 630 x 40 mm	145 Kg	SWISOTECH	Bestillingsvare	1	32 520
3803.145-R	With 1 Drawer Unit right hand 1450 x 630 x 40 mm	145 Kg	SWISOTECH	Bestillingsvare	1	33 960
3803.145-L	With 1 Drawer Unit left hand 1450 x 630 x 40 mm	145 Kg	SWISOTECH	Bestillingsvare	1	33 960

subject to technical change

Quick Service Bench "POS" White Design

Ergonomic quick-service bench with top plate 100 x 63 x 4 cm, stepless height adjustment with upholstered (interchangeable) arm rests, black (RAL 9005) powder coated metal frame (very solid construction).

- electrical (110-220 V) stepless height adjustment from 70 up to 118 cm
- dorsal cable tray 60cm
- embedded plug socket 220 V with USB plugs



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3800.100W	White Design. Size 1000 x 600 x 40 mm	48,000 Kg	SWISOTECH	Bestillingsvare	1	9 132

Quick Service Bench "POS" Beech Design

Ergonomic quick-service bench with top plate 100 x 63 x 4 cm, stepless height adjustment with upholstered (interchangeable) arm rests, black (RAL 9005) powder coated metal frame (very solid construction).

- electrical (110-220 V) stepless height adjustment from 70 up to 118 cm
- dorsal cable tray 60cm
- embedded plug socket 220 V with USB plugs



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3801.100B	Beech Design. Size 1000 x 600 x 40 mm	48,000 Kg	SWISOTECH	Bestillingsvare	1	9 132

Side Container

With 5 rollerguided drawers and 2 brake pedals

*Dim.: H 59/66 x W 35 x D 52 cm, with black handle strips
practical drawer divisions on request*



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3800.B	Beech Design	35,000 Kg	SWISOTECH	Bestillingsvare	1	5 272
3800.W	White Design	35,000 Kg	SWISOTECH	Bestillingsvare	1	5 080

2 in 1 – Goldsmith- a. Stone Setter Bench "XXL" Beech Design

ergonomic goldsmith and stone setter bench, solid beech table top 150 x 70 x 4 cm,
with half-round section, stepless height adjustment, black (RAL 9005)
powder coated metal frame (very solid construction - vibration-free).

- Electrical (110-220 V) stepless height adjustment from 88 up to 134 cm
- incl. Large deposit table plate W 126 x D 54 cm under top plate
- 2 Drawer Units, left with 4 and right side with 5 roller-guided drawers H 57 x W 25 x D 52 cm,
with black handle strips right hand drawer unit with 4 (1-4) practical drawer divisions
down, lefthand side (size/volume) for lathe etc.
- incl. Bench Protection Original GRS Bench Mate
- closed rear wall W 126 x H 57 cm for privacy screen and extra stability safety/torsion-resistants
- dorsal cable tray L 60 cm
- leg frame with adjustable foot gliders. Compensation for unevenness floor



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3805.150-2	With 2 Drawer Units. Size 1500 x 700 x 40 mm	198 Kg	SWISOTECH	Bestillingsvare	1	32 656
3805.125-R	With 1 Drawer Units right hand 1250 x 700 x 40 mm	160 Kg	SWISOTECH	Bestillingsvare	1	28 912
3805.125-L	With 1 Drawer Units left hand 1250 x 700 x 40 mm	160 Kg	SWISOTECH	Bestillingsvare	1	28 912

Watchmaker`s
LAMINAR FLOW BOX for professionals



- Cleanroom till ISO 14644 Klasse 5
- Air volume 0 - 100 (1450m3/h)
- Very quiet (36dB – 45dB)
- 10 power levels selectable on display
- Filter contamination level display
- Automatic power adjustment for dirty filter
- Fan power 150 W – 200 W
- 3-sided glas walls UV-glued
- Integrated lightning

Model	Description	Weight	Brand	Barcode	Pcs.	NOK
Flow Box 125W	Colour white Size 1230 x 600 mm	80 Kg	SWISOTECH	Bestillingsvare	1	62 340
Flow Box 145W	Colour white, Size 1400 x 600 mm	150 Kg	SWISOTECH	Bestillingsvare	1	62 940



Fittings for Watchmaker Bench

Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3800.1	<i>cushioned arm rests in leather (black) - antistatic-</i>	0,000 Kg	SWISOTECH	Bestillingsvare	1	2 201
3800.2	<i>cushioned arm rests in Alkantare (black) - antistatic-</i>	0,000 Kg	SWISOTECH	Bestillingsvare	1	2 201
3800.3	<i>1 pair of textile fabric protector (black) - antistatic-</i>	0,000 Kg	SWISOTECH	Bestillingsvare	1	963
3800.4	<i>Drilling and installation (concentric) for a Bush Bearing f. Waldmann/RMD Lamp</i>	0,000 Kg	SWISOTECH	Bestillingsvare	1	324
3800.5	<i>Drilling and pre-installation for Double Bent Pipe Ø 38/68 mm</i>	0,000 Kg	SWISOTECH	Bestillingsvare	1	228
3800.6	<i>Cable outlet in top plate Ø 80 mm</i>	0,000 Kg	SWISOTECH	Bestillingsvare	1	324
3800.L+R	(3+4) Combi-Device with wooden bench fitting pin and fast fixing plate for vice <i>*125-2 benches only Central, no small pull-out plate</i>	0,000 Kg	SWISOTECH	Bestillingsvare	1	1 141
3800.SC5	Full pull out & Soft Close for 5 drawers (1 cabinets)	0,000 Kg	SWISOTECH	Bestillingsvare	1	2 228
3800.SC9	Full pull out & Soft Close for 9 drawers (2 cabinets)	0,000 Kg	SWISOTECH	Bestillingsvare	1	3 776
3800.8W/B	(6) Single Stand for testing machine. Size 31 x 26 x 2,3 cm	1,500 Kg	SWISOTECH	Bestillingsvare	1	920
3800.9W/B	(7) Double Stand for testing machines Size 61 x 26 x 2,3 cm	2,800 Kg	SWISOTECH	Bestillingsvare	1	1 141
3800.15	Extras: Microfibre protection cloth (grey) 210 x 140 cm, washable	0,350 Kg	SWISOTECH	Bestillingsvare	1	659
3800.E1	Practical drawer divisions for right hand drawer unit - <i>No. 1 from top</i>	0,250 Kg	SWISOTECH	Bestillingsvare	1	430
3800.E2	Practical drawer divisions for right hand drawer unit - <i>No. 2 from top</i>	0,250 Kg	SWISOTECH	Bestillingsvare	1	430
3800.E3	Practical drawer divisions for right hand drawer unit - <i>No. 3 from top</i>	0,250 Kg	SWISOTECH	Bestillingsvare	1	430
3800.E4	Practical drawer divisions for right hand drawer unit - <i>No. 4 from top</i>	0,250 Kg	SWISOTECH	Bestillingsvare	1	430
3800.1S	<i>1 pair Std. cushioned arm rests as replacement service</i>	0,600 Kg	SWISOTECH	Bestillingsvare	1	2 900
3800.1QS	<i>For Quick Service Bench: 1 pair Std. cushioned arm rests as replacement service</i>	0,400 Kg	SWISOTECH	Bestillingsvare	1	2 540



No. 3752.S = stainless Steel silver colour



No. 3752.B = stainless Steel black

Fittings for Watchmaker Bench

Compressed Air & Vacuum Distributor on rotary base cpl. system for work tables (depth 60-75 cm) installation

diameter: Ø 38 mm, outside diameter: 68 mm. Made from stainless steel, polished surface. 2 pipes Ø 6 mm and 2 recuperating springs.

Incl. 1 andpiece 5 ° for compressed air, incl. 1 handpiece 45 ° for vacuum, cpl. with brush (0,15 mm = medium)

Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3752.B	H36/T42 cm Double Bent Pipe for vacuum and pressure, with Pressure-/Vacuum Handpiece	1,950 Kg	SWISOTECH	Bestillingsvare	1	4 292
3752.S	H36/T42 cm Double Bent Pipe for vacuum and pressure, with Pressure-/Vacuum Handpiece	1,950 Kg	SWISOTECH	Bestillingsvare	1	4 292



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3852.45	(1) 45° High Pressure Hand Piece – for pipe Ø 6 mm	0,015 Kg	SWISOTECH	Bestillingsvare	1	862
3658.45	(2) 45° High Pressure Hand Piece – for pipe Ø 6 mm	0,015 Kg	SWISOTECH	Bestillingsvare	1	862
3851.15	(3) Bürste zum Aufstecken, 0,15 mm = medium	0,004 Kg	SWISOTECH	Bestillingsvare	1	289

Bench Vice

1)



2)



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
2440	(1) Watchmaker`s Bench Vice with quick release mechanism	1,200 Kg	SWISOTECH	Bestillingsvare	1	1 652
2021	(2) Watchmaker`s Bench Vice with quick release mechanism	1,200 Kg	BERGEON	Bestillingsvare	1	3 560

Bench Lamp WALDMANN "TANEO"

Waldmann Bench Lamp STZL 24 R, aluminium with short arm, stepless dimmable.

Colour neutral day light appr. 5000 Kelvin, Color rendering

Ra > 80 Consumption: 1200 l. Waldmann Taneo provides wide-range, homogeneous, glare-free and shadow-free lighting.

Due to innovative technologies such as Light Forming and Ray Mixing.



Model	Description	Weight	Brand	Pcs.	NOK
TANEO	100-240 Volt – Kopf/ Head: 39,0 x 14,0 x 3,5 cm	4,000 Kg	Waldmann	1	7 620

LED work Bench Lamp "LED 24PRO"

RMD Slim Line LED II with 24 Watt. LEDs with the highest colour

rendition CRI = 90 (type 93), full daylight spectrum, colour temperature

approx. 5500-5700 Kelvin. Illuminance Power 4700 l x (measuring distance 40 cm).

No IR- and UV-light emission. Dimmable 100 -1%. glare-free, flicker- and shadow- free

lighting. Integrated state-of-the-art LED converter, no irritating separate power supply,

High energy efficiency. 3-D-articulation" at the lighting head for a large range of adjustability.



Model	Description	Weight	Brand	Pcs.	NOK
LED 24PRO	LED 24 Size Tree L 44,5 cm, Tree Arm L 38,5 cm, Head L 59,0 x T 10,0 x H 4,0 cm	5,200 Kg	RMD	1	5 398
LED 24PROK	LED 24 Size Tree L 44,5 cm, Short Arm L 28,0 cm, Head L 59,0 x T 10,0 x H 4,0 cm	5,200 Kg	RMD	1	7 510

Work Bench Lamp "LED12 PRO"

RMD Slim Line LED II with 12 Watt. LEDs with the highest colour

full daylight spectrum, colour temperature approx. 5500-5700 Kelvin. Illuminance

Power 3500 l x (measuring distance 40 cm).

No IR- and UV-light emission. Dimmable 100 -1%. glare-free, flicker- and shadow- free lighting.

Integrated state-of-the-art LED converter, no irritating separate power supply,

High energy efficiency. 3-D-articulation" at the lighting head for a large range of adjustability.



Model	Description	Weight	Brand	Pcs.	NOK
LED12PRO	LED 12 Size Tree L 44,5 cm, Tree Arm L 38,5 cm, Head L 35,0 x T 10,0 x H 4,0 cm	4,500 Kg	RMD	1	5 320
LED12	Standard Line CRI = >80 (Typ 83), 5000 Kelvin	4,500 Kg	RMD	1	4 744

WALDMANN Bench Lamp "ALD"

16W/100-240V/50/60HZ/IP20, Colour neutral day light appr. 5000 Kelvin, Illuminance 2391 l,

distance 40cm stufenlos, Dimmable step less, head: grey/RAL 7032, arms: alu colored anodized



Model	Description	Weight	Brand	Pcs.	NOK
ALD1300	100-240 Volt – Kopf/Head: 36,0 x 8,0 x 2,3 cm	3,500 Kg	Waldmann	1	5 039

Jeweller Lamp "TWIST"

Portable Lamp, lightweight, portable compact table lamp,

14 Watt, full daylight spectrum, colour temperature approx.

6000 Kelvin, energy saving tube, flicker free, "Easy-Twist"

shade, silvergrey, incl. power plug, EVG 100 Hz., Hight: 30,5 cm.



Model	Description	Weight	Brand	Pcs.	NOK
TWIST	4 Watt, Höhe/height 30,5 cm	0,930 Kg	PRAC-TEC	1	1 650

Combined Compressed Air and Vacuum Pump

Without Compressed Air & Vacuum Distributor as per page 11. Oil-free compressed air, with 4 ltr. tank, up to 8 bar and corresponding vacuum. Motorpower 0.24KW/0.33 HP Whisper-quiet (only 58 dB!), power 45 l/min. - 220 volts.

Dustblower and vacuum hand piece are not included in this offer.



Model	Description		Weight	Brand	Pcs.	NOK
3620.1	1 Workstation	Size 370 x 350 x 330 mm	14,500 Kg	SWISOTECH	1	9 592
3620.2	2 Workstation	Size 370 x 350 x 330 mm	14,500 Kg	SWISOTECH	1	N/N

Compressors



1)



2)



3)

Model	Description	Weight	Brand	Pcs.	NOK
3620	(1) Ölfreier Kompressor, 4 Ltr, 8 bar 0,24KW/0,33 PS flüsterleise (nur 58 dB!) Power 45 Ltr./Min. - 220 Volt Abm./Size 370 x 350 x 330 mm	11,000 Kg	PRAC-TEC	1	4 312
3599-6	(2) PREMIUM Kompressor 6 Ltr. Spezialausführung 14 bar 0,375KW/0,5 PS (nur 40 dB!) An.-Abschaltdruck 12,5-14 bar Power 50 Ltr./Min. - 220 Volt - Abm./Size 330 x 280 x 320 mm	26,000 Kg	PREMIUM	1	13 240
3599-24	(3) PREMIUM Kompressor 24 Ltr. Spezialausführung 14 bar 0,375KW/0,5 PS (nur 40 dB!) An.-Abschaltdruck 12,5-14 bar Power 50 Ltr./Min. - 220 Volt - Abm./Size 380 x 380 x 560 mm	30,000 Kg	PREMIUM	1	13 432

Work Station vacuum Pump "VP-3"

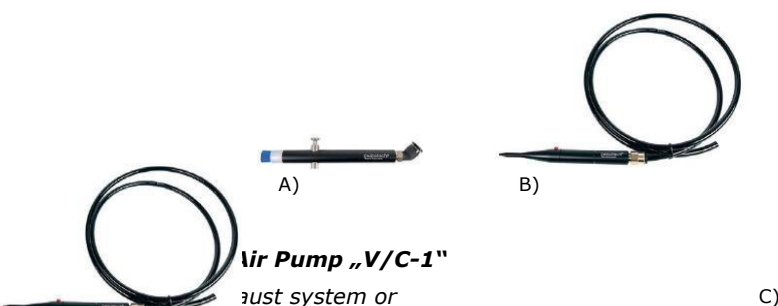
Small compact one or two place vacuum suction system cpl. with accessories.



Model	Description	Weight	Brand	Pcs.	NOK
3840.1	1 Workstation - 220 Volt/180W – ca. 4,0 m3/h - 1400/1700 U/Min. Noise dB(A)/1m: 55 - Endvakuum: 150 mbar (85%) absolut, Dauervakuum: 250 mbar (75%) Size 280 x 120 x 160 mm	8,100 Kg	SWISOTECH	1	10 504
3840.2	2 Workstations - 220 Volt/180W – ca. 4,0 m3/h - 1400/1700 U/Min. Noise dB(A)/1m: 55 - Endvakuum: 150 mbar (85%) absolut, Dauervakuum: 250 mbar (75%) Abm./Size 280 x 120 x 160 mm	3,400 Kg	SWISOTECH	1	14 056

Workplace Vacuum Pump „V/C-1“

Small compact single place vacuum suction system or compressed air pressure - cpl. with accessories



Model	Description	Weight	Brand	Pcs.	NOK
3604.V	A+C Einplatz-Vakuumabsauganlage - kpl. mit Zubehör Single place vacuum exhaust system - cpl. with accessories	3,400 Kg	SWISOTECH	1	4 821
3604.C	B+C Einplatz-Druckluftpüster - kpl. mit Zubehör. Single place air pressure system - cpl. with accessories	3,400 Kg	SWISOTECH	1	4 629

Multi-place rotary valve vacuum pump "Series F"

External, robust vacuum pump for 6 to 70 work stations.

Oil circulation lubrication with high efficiency.

Final vacuum: < 0.5 mbar (99.5%) - 100% permanent running Characteristic.

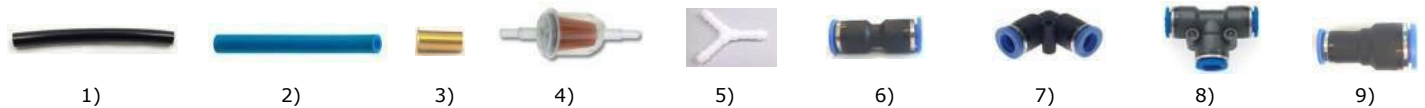
High performance - reliable in service - low-maintenance.

Pump is placed separately. For sucking off dust and dirt particles from dials, from watch cases etc. – work station accessories on request.



Model	Description	Weight	Brand	Pcs.	NOK
3850.6	F 08 bis 6 Workstation – 1*230 Volt/-50 Hz/0,37 kW – 6,0 m3/h 1400 U/Min. Schall/Noise dB(A)/1m: 52 - Endvakuum: <0,1 mbar (99,9%), Betriebstemperatur 75 oC, Abm./Size 300 x 180 x 180 mm	12,500 Kg	SWISOTECH	1	11 078
3850.25	F 40 bis 25 Workstation – 3*230/400 Volt-50 Hz/1,5 kW – 40,0 m3/h 1500 U/Min. Schall/Noise dB(A)/1m: 63 - Endvakuum: <0,5 mbar (99,5%), Betriebstemperatur 82 oC, Ölmenge 1 ltr. VE 101, Abm./Size 630 x 290 x 270 mm	38,000 Kg	SWISOTECH	1	37 690





Vacuum Cleaning Systems and Accessories

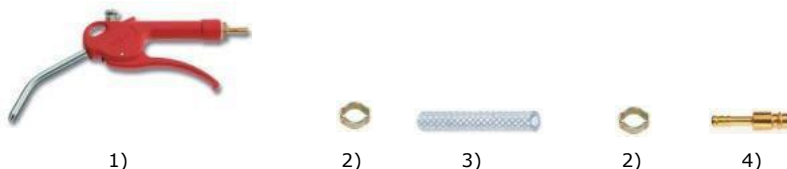
Model	Description	Weight	Brand	Pcs.	NOK
3665.6	(1) 1 m PVC-Druck- Vakuumschlauch/pipe Ø 6/4 mm	0,020 Kg	SWISOTECH	1	54,00
3851.1	(2) 1 m Vakuumschlauch, blau/weich/pipe blue Ø 10/6 mm	0,030 Kg	SWISOTECH	1	60,00
3851.2	(3) Verstärkungshülsen für Vakuumschlauch, blau/weich Ø 10/6 mm	0,001 Kg	SWISOTECH	1	14,40
3661.4	(4) Öl und Wasserfilter bis max. 6 bar, für Druck- Vakuumschlauch Ø 6/4 mm	0,015 Kg	SWISOTECH	1	294,00
3661.44	(-) Vakuumfilter für Vakuumpumpe/vacuum filter for pump	0,015 Kg	SWISOTECH	1	862,00
3849	(5) Y-Stück für Druck- Vakuumschlauch Ø 10/8 mm	0,018 Kg	SWISOTECH	1	60,00
3675.10	(6) I-Verbindungsstück mit Schnellkupplung für Druck- Vakuumschlauch Ø 10/8 mm	0,024 Kg	SWISOTECH	1	108,00
3675.6	(6) I-Verbindungsstück mit Schnellkupplung für Druck- Vakuumschlauch Ø 6/4 mm	0,010 Kg	SWISOTECH	1	82,80
3685.10	(7) 90° Winkel mit Schnellkupplung für Druck- Vakuumschlauch Ø 10/8 mm	0,020 Kg	SWISOTECH	1	115,00
3685.6	(7) 90° Winkel mit Schnellkupplung für Druck- Vakuumschlauch Ø 6/4 mm	0,010 Kg	SWISOTECH	1	108,00
3670.10	(8) T-Stück mit Schnellkupplung für Druck- Vakuumschlauch Ø 10/8 mm	0,015 Kg	SWISOTECH	1	167,00
3670.6	(8) T-Stück mit Schnellkupplung für Druck- Vakuumschlauch Ø 6/4 mm	0,018 Kg	SWISOTECH	1	119,00
3676.10-6	(9) Special-connector from Ø outside 10 to 6 mm	0,075 Kg	SWISOTECH	1	119,00

cpl. Vacuum- and Air Pressure Cleaning Systems, on request.



Accessories for Compressors:

Model	Description	Weight	Brand	Pcs.	NOK
3600.1	(1) synthetisches Kompressoröl/synthetic compressor oil 500 ml	0,510 Kg	SWISOTECH	1	440,00
3600.2	(2) Druckverteiler 2-fach/2-way pressure distributor NW-7,2	0,320 Kg	SWISOTECH	1	411,00
3600.3	(3) Druckverteiler 3-fach/3-way pressure distributor NW-7,2	0,420 Kg	SWISOTECH	1	507,00
3600.4-5	(4) Schnellkupplung Geräteschlauch Ø 6/4 mm, mit Stecktülle NW - 5 m	0,028 Kg	SWISOTECH	1	119,00
3600.4-72	(4) Schnellkupplung für Schlauch Ø 10/8 mm, mit Stecktülle NW - 7,2 m	0,035 Kg	SWISOTECH	1	167,00
3600.5	(5) Mini-Schnellkupplung ¼ Zoll NW-5 für WD Geräteschlauch Ø 6 mm	0,035 Kg	SWISOTECH	1	204,00
3600.6	(6) Schnellverschlusskupplungen ¼ Zoll NW -7,2	0,076 Kg	SWISOTECH	1	235,00
3600.7	(7) Extra Feinstfilter/Extra fine filter ¼ Zoll, 0,01µ	0,400 Kg	SWISOTECH	1	1141,00
3661.5	(8) Öl-/Wasserfilter ¼ Zoll, max. 16 bar, für Druck-Vakuumschlauch Ø 6 mm	0,100 Kg	SWISOTECH	1	744,00
3600.8	(9) Doppelgewinde für extra Feinstfilter/Luftverteiler ¼ Zoll	0,010 Kg	SWISOTECH	1	60,00
3600.9	(10) Extra Manometer mit Druckminderer ¼ Zoll	0,400 Kg	SWISOTECH	1	1020,00
3600.10	(11) Verteiler/distributor ¼ Zoll 2-fach	0,020 Kg	SWISOTECH	1	119,00
3600.11	(12) Schnellsteckverbinder ¼ Zoll für Geräteschlauch Ø 6 mm	0,022 Kg	SWISOTECH	1	94,80
3600.12	(12) Schnellsteckverbinder ¼ Zoll für Geräteschlauch Ø10 mm	0,024 Kg	SWISOTECH	1	228,00



Air Pressure Cleaning Pistol and Accessories

Model	Description	Weight	Brand	Pcs.	NOK
3661	(1) Ausblaspistole für Bänder und Gehäuse mit Regulierventil	0,200 Kg	SWISOTECH	1	416,00
3661.2	(2) Zweioherschlauchschele/Two-tube clamp Ø 12 mm	0,003 Kg	SWISOTECH	1	12,00
3661.1	(3) Hochdruckgewebeschauch, weich Ø 12/6 mm	0,100 Kg	SWISOTECH	1	60,00
3661.3	(4) Stecktülle NW - 7, 2 mm für Hochdruckgewebeschauch Ø 12/6 mm	0,028 Kg	SWISOTECH	1	60,00

cpl. Vacuum- and Air Pressure Cleaning Systems, on request.

accuracy

boutique edition



Measure and Demagnetize in one step

measuring and demagnetizing mechanical watches in one step. It was designed in partnership with luxury watch brands to find the most after-sale- service efficient solution to watch magnetization and thus solve the main problem directly at retail stores and boutiques. 20 % of after-sales returns concern magnetized watches which mean both a tremendous cost for brands and high throughput times with a drop in customer satisfaction. Less than 2 minutes are required to check the rate accuracy amplitude and beat error and to demagnetize the watch.



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3500	Precision of Measurement < +/- 0.1 s/d. Size 95 x 95 x 20 mm	0,200 Kg	ONEOF	Bestillingsvare	1	11 098

accuracy pro

swiss made



USB Plug-and-Play Technology

Advanced Technology, intelligent watch tester. Simply connect the Accuracy Pro to your PC or tablet. The XMOS processoegegar intted in the multi-position microphone works across platforms (Windows, Android, iOS) and reliably displays the measurement results on the screen. The results and measurement parameters can be saved locally or in the network as PDF or CSV.

Display mode:

- Beat Noise (Scope)
- Diagram
- Graphic result
- Dispersion
- Tabular & Radar Chart

Measurement: Rate accuracy: ± 1000 s/d / Resolution: 0.1 s/d / Accuracy: ± 0.1 s/d
 Amplitude: Range: 70 to 360°/Resolution: 1°/Accuracy: $\pm 1^\circ$ / Lift angle: 10 bis 90°
 Beat error: Resolution: 0,1 ms / Accuracy: $\pm 0,1$ ms
 Frequency/Automatic detection of common beating frequencies: 7.200 to 72.000 b/h
 manual entry of any other custom values Swiss anchor escapement.

The software includes individual functions:

- Automatic recognition of the 6 main positions.
- Automatic or manual gain control.
- Novel tabular & radar chart.
- Multi-sensors management for parallel measurements.



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3061	Precision of Measurement < +/- 0.1 s/d. Size 120 x 140 x 156 mm	1,000 Kg	ONEOF	Bestillingsvare	1	33 640

accuracy motion

swiss made



Measurement in every angle – as per accuracy with motor microphone/software

The Accuracy Motion is a high-tech testing device for professional watchmakers. It uses acoustic measurements for assessing mechanical watches. An integrated and programmable motor with software (Windows, Android, iOS) enables individual positioning (90°x360°) while testing. Both static and dynamic testing with up to 15 rounds per minute is possible. The Accuracy Motion offers highest measuring precision.



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3067	Precision of Measurement +/- 0.1 s/d. Aluminum Casing / Software for Windows included	1,500 Kg	ONEOF	Bestillingsvare	1	68 240

accuracy²

swiss made



Fast and Easy Watch testing

The Accuracy2 measures the performance of your mechanical watch like rate accuracy, amplitude, beat error in just some seconds. The device runs with an App for Android and iOS and the complete measuring electronics are incorporated in a compact, anodised aluminium case.



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3067	Precision of Measurement < +/- 0.1 s/d. Size 40 x 40 x 7,5 mm	0,020 Kg	ONEOF	Bestillingsvare	1	4 723

Watch Expert G4V

incl. hand multi-positioning microphone



mod.dép.



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3060	220 Volt - Size 250 x 135 x 100 mm	2,100 Kg	WITSCHI	Bestillingsvare	1	42 400

Printer 3450 - MARTEL MCP 7810

ChronoMaster



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3446	220 Volt - Abm./Size 130 x 110 x 110 mm	0,800 Kg	WITSCHI	Bestillingsvare	1	27 760

ChronoMaster Air



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3448	220 Volt - Abm./Size 130 x 130 x 110 mm	0,600 Kg	WITSCHI	Bestillingsvare	1	38 200

"Chronoscope X1(G3)"



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3400	220 Volt - Abm./Size 264 x 158 x 275 mm	4,500 Kg	WITSCHI	Bestillingsvare	1	94 480

Micromat C, incl. Software up to 8 Channels



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3410	220 Volt - Abm./Size 220 x 115 x 125 mm	1,700 Kg	WITSCHI	Bestillingsvare	1	82 480

Analyzer Twin AQT



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3415	220 Volt - Abm./Size 290 x 180 x 170 mm	3,500 Kg	WITSCHI	Bestillingsvare	1	95 680



(*)



Chronoscope S1(G2)

incl. hand multi-positioning microphone



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3420	220 Volt - Size 250 x 135 x 100 mm	4,200 Kg	WITSCHI	Bestillingsvare	1	57 280
3420.1	Ditto <i>Without</i> microphone	3,500 Kg	WITSCHI	Bestillingsvare	1	43 240
3420.2	Dito with motorized microphone (*)	3,500 Kg	WITSCHI	Bestillingsvare	1	79 240
3420.3	(*) MICROMAT S Only motorized microphone Abm./Size 225 x 86 x 192 mm	2,000 Kg	WITSCHI	Bestillingsvare	1	29 440



"WisioScope S"



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3401	220 Volt - Abm./Size 225 x 190 x 85 mm	3,200 Kg	WITSCHI	Bestillingsvare	1	138 880



"Teslascope II"



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3425	220 Volt - Abm./Size 135 x 137 x 62 mm	0,500 Kg	WITSCHI	Bestillingsvare	1	12 580



" Analyzer Q1"



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3440	220 Volt - Abm./Size 290 x 180 x 170 mm	2,800 Kg	WITSCHI	Bestillingsvare	1	60 400



WITSCHI "New Tech Handy II"



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3070	220 Volt - Abm./Size 220 x 150 x 140 mm	2,000 Kg	WITSCHI	Bestillingsvare	1	34 480



WITSCHI "QuartzMaster"



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3075	220 Volt - Abm./Size 140 x 55 x 105 mm	0,450 Kg	WITSCHI	Bestillingsvare	1	27 280

Watch Winding/Adjustment Machines „Cyclomotion“



Up to 24 watches. Quality meets on Design. Winding and adjustment of mechanical automatic watches and material tests for workshops, manufacturers and watchmakers on highest level. Engine with integrated slip clutch and retaining moment (in the Standby - mode) for optimal protection of watches, stronger, noiseless running. Equipped with six replaceable arms for each four watches with or without bracelets. Also for heavy watches with large cases. Switchable of left on right direction. Individually selectable clamping combination makes it possible to wind both directions in combination. The number of turns per minute is 1 or 4 rpm. (axially 4.5 bzw. 18 rpm.) for continuous tests or high-speed winding. At the front of the equipment is a slip clutch, which is served by hand. Direction of travel (left/right) is selectable. Optionally available, lockable "Protector hood PRO" offers additional protection from dust and mechanical effect. The mechanical disengaging screw makes a manual interruption possible.

Model	Description	Weight	Brand	Pcs.	NOK
3865	Cyclomotion ohne Glocke (o. Bügel) 110-220 Volt/24 W ohne Schutzhaube Abm./Size 465 x 325 x 520 mm	11,000 Kg	ELMA	1	14 344
3870	Cyclomotion PRO mit Schutzhaube (o. Bügel) 110-220 Volt/24 W Abm./Size 635 x 325 x 585 mm	16,000 Kg	ELMA	1	24 328



Accessories:

Model	Description	Weight	Brand	Pcs.	NOK
3865.1	(1) Uhrenbügel für 2 Uhren mit Bändern/Watch Clamps for 2 watches	0,100 Kg	ELMA	1	584
3865.2	(2) Uhrenbügel für 4 Uhren mit Bändern/Watch Clamps for 4 watches	0,150 Kg	ELMA	1	872
3865.3	(3) Uhrenbügel für 2 Uhren mit Bändern (Links-/Rechtaufzug) Watch Clamps for 2 watches (left/right winding)	0,100 Kg	ELMA	1	584
3865.4	(4) Uhrenbügel für 4 Uhren mit Bändern (l/Links-/Rechtaufzug) Watch Clamps for 4 watches (left/right winding)	0,150 Kg	ELMA	1	872
3865.5	(5) Uhrenbügel für 4 Uhren ohne Bänder Watch Clamps for 4 watches without straps/bracelets	0,150 Kg	ELMA	1	910
3865.7	(6) Uhrenbox für 4 Uhren ohne Bändern/Watch Box 4 watches without bracelet	0,500 Kg	ELMA	1	1 452
3865.6	(7) Wandhalterung für Cyclomotion/Wall Fixing Unit for Cyclomotion	0,500 Kg	ELMA	1	872



Cyclomat ELMA®

Incl. Clamps for totally 12 watches with strap/bracelet. The number of turns per minute is radial 4 rpm. (axial 20 rpm.), switchable from left to right direction. 230 Volt.

Model	Description	Weight	Brand	Pcs.	NOK
3875	Abm./Size 450 x 380 x 155 mm	2,800 Kg	ELMA	1	11 464
3875.2	Ersatzbügel mit Welle/Spare Clamp with shaft	0,020 Kg	ELMA	1	259
3875.3	4er Industriewerkhalter mit Welle/Movements Holders for 4 Mvt`s with shaft	0,050 Kg	ELMA	1	718



Watch Winder

6 incl. Clamps for totally 6 watches with strap/bracelet.

The number of turns per minute is radial 4 rpm. (axial 20 rpm.),

Switchable from left to right direction. 230 Volt.

Alternative with Hook for Wall Fixing. Only vertical use.

Model	Description	Weight	Brand	Pcs.	NOK
7803-230	Für 6 Uhren mit Bändern/With 6 Watch Clamps for 4 watches Ø 28/14 cm	1,600 Kg	BERGEON	1	10 093



Watch Winder

6, incl. Clamps for totally 6 watches with strap/bracelet.

The number of turns per minute is radial 4 rpm. (axial 20 rpm.),

Switchable from left to right direction. 110-240 Volt. Alternative with Hook for Wall Fixing.

Model	Description	Weight	Brand	Pcs.	NOK
3868	With 6 Watch Clamps for 4 watches Ø 28/14 cm	0,800 Kg	PRACTEC	1	2 382
3868.1	Ersatzbügel/Spare Clamp	0,015 Kg	PRACTEC	1	225

Water Testing Machine Poseidon „LT-121“

Ideal for professional service: fast and clear results!

The leak tester GREINER LT121 embodies technology and design in perfection. This testing device fulfills all requirements of a modern and functional leak testing device. High precision pressure sensor. Automatic sensor. Positioning and chamber opening. Easy handling via 5-inch touchscreen.



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
LT121	115/230 Volt - Size 210 x 260 x 260 mm	3,200 Kg	GREINER	Bestillingsvare	1	n/a
3450.X6	220 Volt – Thermoprinter MCP 7830	1,000 Kg	MARTEL	Bestillingsvare	1	3 380
3599-6	220 Volt – Compressor 6 Liter, 14 bar, 50 Ltr./Min, 0,375 KW/0,5 PS - flüsterleise, ölfrei!	20,000 Kg	SWISOTECH	Bestillingsvare	1	13 740
3600.7	Extra Fine Filter 0,01µ	0,400 Kg	SWISOTECH	Bestillingsvare	1	1 241



Water Testing machine "Proofmaster"

1)



2)



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3477	1) 220 Volt - Abm./Size 150 x 240 x 305 mm	5,800 Kg	WITSCHI	Bestillingsvare	1	69 300

Water Testing machine "Proofmaster Pro"

Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3478	2) 220 Volt - Abm./Size 150 x 240 x 305 mm	5,800 Kg	WITSCHI	Bestillingsvare	1	78 900

Printer:



Model	Description	Weight	Brand	Barcode	Pcs.	NOK
3450	220 Volt – Thermoprinter MCP 7810 Spez.	1,000 Kg	MARTEL	Bestillingsvare	1	3 101
3450.1	Thermo Paper Roll for MCP 7810	0,075 Kg	PRAC-TEC	Bestillingsvare	1	66
3450.4	Adaptorcabel Expert IV for dito GA05-E715245	0,050 Kg	MARTEL	Bestillingsvare	1	674
3450.BT	WITSCH Blue Tooth - 220 Volt – Thermoprinter	1,200 Kg	WITSCHI	Bestillingsvare	1	6 380



1)



2)



3)

Waterproof Tester "NATATOR"

Leak testing for watches up to Ø 60 and 80 mm with water and pressure up to 125 bar (=1250 m Water depth).

Simple leak finding with separate condensation test. No Compressor or main power supply is necessary.



Model	Description	Weight	Brand	Pcs.	NOK
3710	(1) NATATOR 125, = 125 bar/1250 m Abm./Size 310 x 330 x 300 mm	12,000 Kg	NATATOR	1	71 538
3700	(2) NATATOR 40, = 40 bar/400 m Abm./Size 250 x 270 x 250 mm	7,000 Kg	NATATOR	1	46 320
3711	(3) DIVER 125, = 125 bar/1250 m Abm./Size 310 x 330 x 300 mm	12,000 Kg	SWISOTEC	1	42 000



Waterproof Tester

Testing and "Leak Finding" with water and pressure up to 10 bar pressure.

Simple leak finding direct in the glass cylinder, for two watches up to Ø 70 mm.

No Compressor or main power supply is necessary. Incl. compressor connection.

Model	Description	Weight	Brand	Pcs.	NOK
5555/10	(1) Abm./Size 245 x 155 x 300 mm (bis 10 bar)	7,100 Kg	BERGEON	1	16 769



Waterproof Tester

Testing and "Leak finding" with water and pressure up to 10 bar pressure

Simple leak finding direct in the glass cylinder, for two watches up to Ø 70 mm.

No Compressor or main power supply is necessary.

Model	Description	Weight	Brand	Pcs.	NOK
3090	Abm./Size 245 x 155 x 300 mm (bis 10 bar)	3,900 Kg	PRAC-TEC	1	4 592



Water testing machine "LEAK CHECKER PRIME"

Ideal for Quick Service: fast results!

Machine is able to test for leaks up to -0.7 bar vacuum.

The unit needs no additional. Key features: Vacuum can be selected in steps of 0.1 bar.

Testing time can be selected and programmed

up to 300 sec. Instant printout of results via interface for MARTEL printer.

Model	Description	Weight	Brand	Pcs.	NOK
3102	220V Size 160 x 180 x 250 mm (mit Druckerschnittstelle)	3,300 Kg	GREINER	1	24 204
3450.X6	220 Volt – Thermoprinter MCP 7830	1,000 Kg	MARTEL	1	3 620



Waterproof Tester "DIABOLIC E"

Testing and " Leak finding" with water and vacuum.

Simple leak finding direct in the glass cylinder, for watches

up to Ø 60 mm. No Compressor or main power supply is necessary.

Model	Description	Weight	Brand	Pcs.	NOK
3730	DIABOLIC E Abm./Size 280 x 200 x 300 mm	6,200 Kg	ROXER	1	33 346

Electric Heater

With temperature control and digital display

for separate condensation test. Up to 20 watches

after waterproof test with Natator 40 or Natator 125.

1)



2)



Model	Description	Weight	Brand	Pcs.	NOK
3725	(1) 1-6 Uhren/Watches 230/120V/250W - Abm./Size 150 x 105 x 260 mm	3,000 Kg	SWISOTECH	1	6 975
3726	(2) 1-20 Uhren/Watches 230/120V/1500W - Abm./Size 300 x 105 x 415 mm	6,000 Kg	SWISOTECH	1	8 709

Electric Hot Air Dryer

Unit for the drying of watch cases and bracelets after wet cleaning. It works with a hot air blower.



Model	Description	Weight	Brand	Pcs.	NOK
3201	220 V Abm./Size : 190 x 180 x H 130 mm, bis/up to 55 (°C)	2,360 Kg	GREINER	1	4 400
3201.1	110 V Abm./Size : 190 x 180 x H 130 mm, bis/up to 55 (°C)	2,360 Kg	GREINER	1	5 360

Watch Cleaning Machines
for disassembled or assembled movements

Watch Cleaning Machine Vibrasonic „ACS 921“

Fully automatic and programmable machine cleans up to 15 watch movements, assembled or disassembled in a mesh basket. ACS 900 features ultrasound for cleaning in one position, adjustable time and spin for each position and a separate position for heated blow drying. Computer operated cleaning program can be stored in memory. Includes standard accessories - four jars for cleaning and rinsing. A wide variety of baskets are available.



Model	Description	Weight	Brand	Pcs.	NOK
ACS921	115-230 Volt - Abm./Size 475 x 765 x 500 mm	70,000 Kg	GREINER	1	227 000

Watch Cleaning Machines

for disassembled or assembled movements



Watch Cleaning Machine Vibrasonic "ACS 900"

Fully automatic and programmable machine cleans up to 15 watch movements, assembled or disassembled in a mesh basket. ACS 900 features ultrasound for cleaning in one position, adjustable time and spin for each position and a separate position for heated blow drying. Computer operated cleaning program can be stored in memory. Includes standard accessories - four jars for cleaning and rinsing. A wide variety of baskets are available.

Model	Description	Weight	Brand	Pcs.	
ACS900	220 Volt - Abm./Size 425 x 425 x 565 mm	31,000 Kg	GREINER	1	130 280



Accessories, Basket Ø 80 mm:

Model	Description		Weight	Brand	Pcs.	NOK
G9615855	cpl. Reinigungskorbsatz Ø 80mm für zerlegte Werke	S. x	0,250 Kg	GREINER	1	7 599
G9617135	Becherglas 1000 ml		0,540 Kg	GREINER	1	628
G9617136	Deckel f. Becherglas		0,030 Kg	GREINER	1	327
G9617098	Korbhalter Oberteil Ø 80 mm	1 x	0,100 Kg	GREINER	1	1 720
G9615852	Deckel für Metallsiebeinsatz Ø 80 mm	1 x	0,030 Kg	GREINER	1	516
G9615850	Korb o. Einteilung ¼ H, Ø 80 mm	1 x	0,150 Kg	GREINER	1	883
G9615851	Korb m. 4er Einteilung ¼ H, Ø 80 mm	3 x	0,030 Kg	GREINER	1	1 077
G9615849	Korb m. 8er Einteilung ¼ H, Ø 80 mm		0,030 Kg	GREINER	1	1 302
G9615848	Korb m. 12er Einteilung ¼ H, Ø 80 mm		0,030 Kg	GREINER	1	1 557
G9615853	Unterteil Korbgestell 4/4 H, Ø 80 mm	1 x	0,100 Kg	GREINER	1	2 138
G9617122	Oberteil mit Welle u. 5 Werkhalter für je 3 unzerlegte Werke		0,100 Kg	GREINER	1	720
G9617123	Werkhalter für 3 unzerlegte Werke		0,100 Kg	GREINER	1	306
G9617091	Korbhalter Oberteil Std. Ø 64 mm		0,100 Kg	GREINER	1	690

x = z. B. zweiter Korbsatz

Watch Cleaning Machines

for disassembled or assembled movements

Watchcleaning Machine „Elmasolvex VA"

Fully automatic Elmasolvex VA Automatic cleaning with vacuum technology and integrated explosion protection. Cleaning with multi-frequency ultrasound and rinsing are performed in the rotation or scillation process. The user is protected from toxic solvent fumes or odours by extraction equipment or a selfcontained filter system.

The Elmasolvex VA has its own self-contained intrinsic explosion protection due to the vacuum technology used and all the tested measures required by TÜV and the EU standards for explosion protection.



Model	Description	Weight	Brand	Pcs.	NOK
3950.VA	220 Volt/220 Watt - Size Ø 600 x H 610 mm Bascet Ø 64 oder 80 mm	39,000 Kg	ELMA	1	170 688
3950.99	Basket set stainless steel pol. cpl. Ø 80 mm	0,450 Kg	ELMA	1	10 323
3950.98	Dito Ø 80 mm dito Rilsan (white) coated	0,480 Kg	ELMA	1	11 332
3950.97	Basket set stainless steel pol. cpl. Ø 64 mm	0,300 Kg	ELMA	1	2 952

RM

Elmasolvex RM

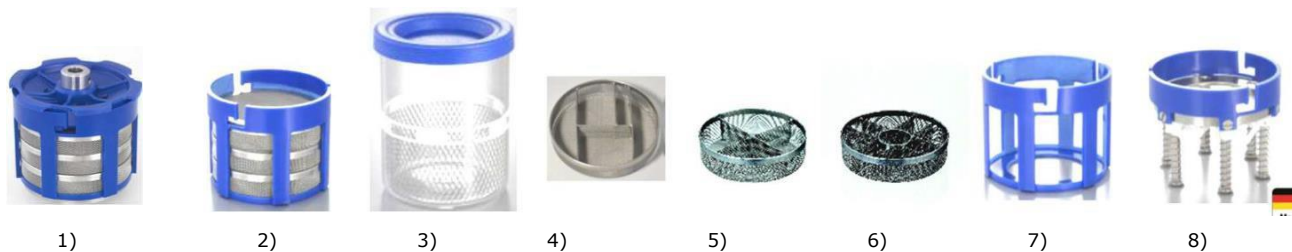
Automatic multiple chamber cleaning with integrated explosion protection. Cleaning in rotation or oscillation process in four cleaning chambers. An integrated drying chamber with fine filter hot air technology completes the residue-free cleaning.



SE*



Model	Description	Weight	Brand	Pcs.	NOK
3950.RM	220 Volt/260 Watt - Size L 515 x 542 x H 650 mm - Basket Ø 64 mm	26,000 Kg	ELMA	1	50 552
3950.SE	220 Volt/260 Watt - Size Ø 500 x H 700mm - Basket Ø 64 mm - *Description on reque	23,000 Kg	ELMA	1	25 970
3950.97	Basket set stainless steel pol. cpl. Ø 64 mm	0,300 Kg	ELMA	1	2 952

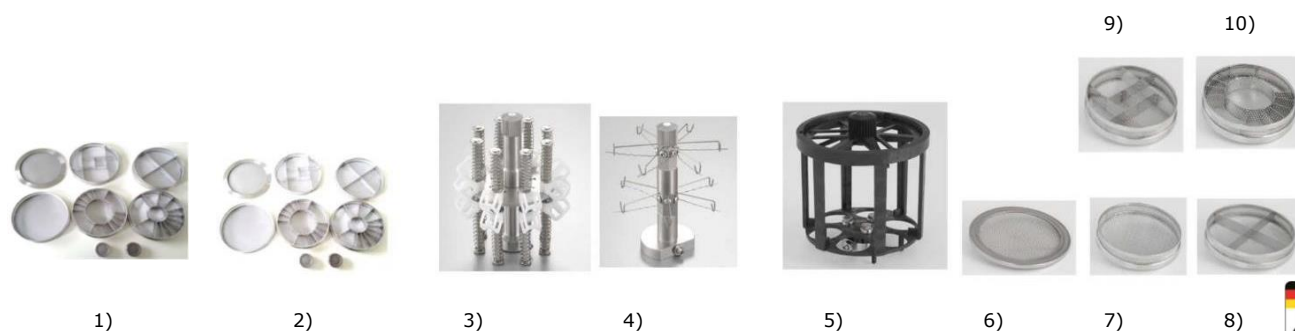


Accessories, Basket Ø 64 mm for "Elmasolvex"

Model	Description	Weight	Brand	Pcs.	NOK
3950.97	(1) cpl. Reinigungskorbsatz Ø 64 mm mit Korbhalter/cpl. with top fixing device	0,200 Kg	<i>ELMA</i>	1	2 952
3950.1	(2) Reinigungskorbsatz Ø 64 mm, mit drei Siebeinsätzen, Deckel und einer Siebkapse	0,150 Kg	<i>ELMA</i>	1	1 608
3950.3	(3) cpl. Becherglas 600 ml, incl. Deckel, Dichtung u. Wellenbrecher	0,540 Kg	<i>ELMA</i>	1	904
3950.4	(3) Deckel f. Becherglas	0,040 Kg	<i>ELMA</i>	1	102
3950.5	(3) Deckeldichtung	0,004 Kg	<i>ELMA</i>	1	45
3950.7	(-) Deckel für Metallsiebeinsatz Ø 64mm	0,008 Kg	<i>ELMA</i>	1	276
3950.8	(-) Korb o. Einteilung 1/3 (H 16 mm)	0,010 Kg	<i>ELMA</i>	1	414
3950.9	(5) Korb m. 4er Einteilung 1/3 (H 16 mm)	0,015 Kg	<i>ELMA</i>	1	557
3950.95	(4) Korb m. 5er Einteilung 1/3 (H 16 mm)	0,015 Kg	<i>ELMA</i>	1	608
3950.10	(6) Korb m. 9er Einteilung 1/3 (H 16 mm)	0,018 Kg	<i>ELMA</i>	1	832
3950.11	(7) Korbgestell Ø 64 mm	0,020 Kg	<i>ELMA</i>	1	435
3950.2	(8) Werkhalter cpl. Ø 64mm für 6 unzerlegte Uhrwerke	0,150 Kg	<i>ELMA</i>	1	1 524



Model	Description	Weight	Brand	Pcs.	NOK
3950.13	(1) Nylon Siebkapsel mit Deckel Ø 22 x H 6 mm	0,005 Kg	GREINER	1	204
3950.12	(2) Metall Siebkapsel mit Deckel Ø 20 x H 13 mm	0,010 Kg	ELMA	1	305
3950.15	(3) Metall Siebkapsel mit Schraub-Deckel Ø 16 x H 16 mm	0,006 Kg	SWISOTECH	1	107
3950.16	(4) Metall Siebkapsel mit Schraub-Deckel Ø 25 x H 20 mm	0,016 Kg	SWISOTECH	1	143



Model	Description	Weight	Brand	Pcs.	NOK
3950.99	(1) cpl. Korbset Edelstahl poliert /basket set stainless steel polished	0,450 Kg	ELMA	1	10 123
3950.98	(2) cpl. Korbset Rilsan (in weiß) beschichtetcpl. basket set Rilsan (white) coated	0,480 Kg	ELMA	1	11 132
E6733	(3) 12 er Werkhalter V1/movement holder for 12 mvt`s	0,180 Kg	ELMA	1	2 546
E6153	(4) 12 er Werkhalter V2/movement holder for 12 mvt`s	0,150 Kg	ELMA	1	n/a
E3905	(5) Korbaufnahme f. 5 Körbe/basket holder f. 5 baskets Ø 80mm	0,030 Kg	ELMA	1	2 342
E2332	(6) Deckel für Korbeinsatz/basket lid Ø 80mm	0,015 Kg	ELMA	1	843
E2338	(7) Edelstahl Korb 1/5 o. Einteilung/basket without separations	0,025 Kg	ELMA	1	1 495
E3834	(7) Rilsan Korb 1/5 o. Einteilung/basket without separations	0,025 Kg	ELMA	1	1 608
E2336	(8) Edelstahl Korb 1/5 m. 4er Einteilung/basket with 4 separations	0,025 Kg	ELMA	1	1 832
E3832	(8) Rilsan Korb 1/5 m. 4er Einteilung/basket with 4 separations	0,025 Kg	ELMA	1	1 995
E2337	(9) Edelstahl Korb 1/5 m. 8er Einteilung/basket with 8 separations	0,025 Kg	ELMA	1	2 281
E3833	(9) Rilsan Korb 1/5 m. 8er Einteilung/basket with 8 separations	0,025 Kg	ELMA	1	2 505
E2335	(10) Edelstahl Korb 1/5 m. 11er Einteilung/basket with 8 separations	0,025 Kg	ELMA	1	2 546
E3831	(10) Rilsan Korb 1/5 m. 11 er Einteilung/basket with 8 separations	0,025 Kg	ELMA	1	2 668



220-240 Volt - For Bracelets, Cases etc. Incl. tank cover.

Ultrasonic Cleaning Machine "Easy 30 H"

Model	Description	Weight	Brand	Pcs.	NOK 
E30H	With Heating, with drain, Cont.: 2,7 Ltr., Tank 220 x 120 x 95 mm	3,300 Kg	ELMA	1	5 512
E60H	With Heating, with drain, Cont.: 5,9 Ltr., Tank 280 x 115 x 145 mm	5,100 Kg	ELMA	1	8 776
E120H	With Heating, with drain, Cont.: 12,9 Ltr., Tank 275 x 215 x 195 mm	7,500 Kg	ELMA	1	13 096
E180H	With Heating, with drain, Cont.: 17,8 Ltr., Tank 300 x 270 x 195 mm	8,500 Kg	ELMA	1	14 152
E300H	With Heating, with drain, Cont.: 27,5 Ltr., Tank 475 x 270 x 195 mm	11,000 Kg	ELMA	1	17 512

Ultrasonic Cleaning Machine "Elmasonic Select"

With Heating, with drain (starting from E60S) optic and acoustic feedback

digital control unit 220-240 Volt For Bracelets, Cases etc.

Incl. tank cover.



Model	Description	Weight	Brand	Pcs.	NOK 
E30S	Size 305x 170 x 230 mm, Volume 2,7 Ltr. Tank Size: 220 x 120 x 95	3,600 Kg	ELMA	1	6 985
E40S	Size 305x 170 x 280 mm, Volume 3,9 Ltr. Tank Size: 220 x 120 x 95	4,300 Kg	ELMA	1	9 955
E60S	Size 370x 210 x 275 mm, Volume 5,9 Ltr. Tank Size: 275 x 125 x 145	5,200 Kg	ELMA	1	11 530
E100S	Size 380x 300 x 280 mm, Volume 9,5 Ltr. Tank Size: 280 x 220 x 145	6,200 Kg	ELMA	1	13 510
E120S	Size 380x 300 x 330 mm, Volume 12,9 Ltr. Tank Size: 300 x 215 x 195	7,700 Kg	ELMA	1	17 110
E300S	Size 575x 360 x 330 mm, Volume 27,5 Ltr. Tank Size: 300 x 215 x 195	12,200 Kg	ELMA	1	22 960



Elmadry Drying Device "TD 30/120"

With warm (up to max. 70° C) and cold air.

Ultrasonic baskets (different basket sizes) are suitable for use as a

drying basket. Tank cover saves energy and creates effective

flow turbulence to around watch cases etc.

Model	Description	Weight	Brand	Pcs.	NOK 
TD30	220-240 Volt - Abm./Size 215 x 300 x 179 mm - Inhalt/Volume 3,0 Ltr.	4,500 Kg	ELMA	1	4 544
TD120	220-240 Volt - Abm./Size 320 x 340 x 285 mm -Inhalt/Volume 12,0 Ltr.	6,100 Kg	ELMA	1	6 080
TD300	220-240 Volt - Abm./Size 544 x 347 x 322 mm - Inhalt/Volume 30,0 Ltr	12,000 Kg	ELMA	1	10 304

Accessories for a. m. Ultrasonic Cleaning Machines:



2)



3)



4)



5)



6)



7)

Ultrasonic Cleaning Machine "X-Tra TT 60H"

With Heating and Sweep 37 kHz, with drain, Cont.: 6,5 Ltr.

Tank 300 x 150 x 150 mm, for Bracelets, Cases etc.



Model	Description	Weight	Brand	Pcs.	NOK
X60H	220 Volt - Size 420 x 250 x 300 mm	8,300 Kg	ELMA	1	12 430
X30.1	Cover	0,800 Kg	ELMA	1	Incl.
X50.2	(2) Stainless Steel Basket	0,500 Kg	ELMA	1	1 253
S30.3	(3) Hostalen Basket	0,100 Kg	ELMA	1	n/a
X30.4	(4) Cover for 2 Glass Beakers	0,100 Kg	ELMA	1	740
S30.5	(5) Glass Beaker 600 ml, Ø 90 mm	0,200 Kg	ELMA	1	335
S30.7	(6) Plastic Basket, oval 200 x 100 x H 20 mm	0,095 Kg	SWISOTECH	1	515
S30.8	(7) Watch Service Basket, Size 198 x 125 x H 70 mm	0,275 Kg	ELMA	1	2 360



Ultrasonic Cleaning Machine "X-Tra TT 120H"

With Heating and Sweep 37 kHz, with drain, Cont.: 14 Ltr.

Tank 300 x 240 x 200 mm, for Bracelets, Cases etc.

Model	Description	Weight	Brand	Pcs.	NOK
X120H	220 Volt - Abm./Size 440 x 340 x 350 mm	9,600 Kg	ELMA	1	19 432
X70.1	Cover	1,000 Kg	ELMA	1	Incl.
X70.2	(2) Stainless Steel Basket	0,600 Kg	ELMA	1	1 592
S60.3	(3) Hostalen Basket	0,150 Kg	ELMA	1	n/a
X70.4	(4) Cover for 2 Glass Beakers	0,150 Kg	ELMA	1	n/a
S30.5	(5) Glass Beaker 600 ml, Ø 90 mm	0,200 Kg	ELMA	1	335
S30.7	(6) Plastic Basket, oval 200 x 100 x H 20 mm	0,095 Kg	SWISOTECH	1	515
S30.8	(7) Watch Service Basket, Size 198 x 125 x H 70 mm	0,275 Kg	ELMA	1	2 360



ML



XL

Noise Protection Box

Box for ultrasonic units for the reduction of the typical cavitation noise down

To a tolerable level. (Approx. – 20dBA, equivalent to a fourfold noise reduction).

Placed in the box, the ultrasonic unit can be used at or close to sensitive work places.

Possible vapours are collected and carried off so that an accumulation of heat and humidity inside the box is avoided



Model	Description	Weight	Brand	Pcs.	NOK
3955	(ML) 220 Volt - Inner Size 380 x 240 x 315 mm S/X30 H with Beaker, without S 60 H	12,600 Kg	ELMA	1	9 928
3956	(XL) 220 Volt - Inner Size 440 x 310 x 480 mm S100 H/X70 H with Beaker, without S 130H	15,200 Kg	ELMA	1	11 464



(1)/(2) = For Steel, Gold, Silver (3) = For Gold, Silver (5+6) = For Watch & Clock Parts and Watch Cases & Bracelets

*For (3) do not use directly in the Ultrasonic Tank, because of Acid. Use the Glass Beaker!

Cleaning chemicals for watches, cases and bracelets

Ultrasonic Cleaning Solutions

Model	Description	Size	Brand	Pcs.	NOK
1090	(1) Elma Clean 85 1:20 schonende Reinigung/ <i>soft cleaning</i>	1 Ltr.	ELMA	1	371
1090.1	(1) Elma Clean 85 1:20 schonende Reinigung/ <i>soft cleaning</i>	25 Ltr.	ELMA	1	2 695
1091	(2) RW 77 1:20 intensive Reinigung/ <i>intensive cleaning</i>	1 Ltr.	BANDELIN	1	330
1091.1	(2) RW 77 1:20 intensive Reinigung/ <i>intensive cleaning</i>	5 Ltr.	BANDELIN	1	814
1092	(3) J 80 U ready mix Tauch-Bad/ <i>Anti Oxidation (Acid)</i>	1 Ltr.	BANDELIN	1	299
1092.1	(3) J 80 U ready mix Tauch-Bad/ <i>Anti Oxidation (Acid)</i>	5 Ltr.	BANDELIN	1	715
1094	(4) GELBAR ROPOLIN for polishing soap for polishing drums	1 Ltr.	GELBAR	1	510
1095.1	(5) GELBAR 1:9 for Watch Parts <i>intensive clean</i>	1 Ltr.	GELBAR	1	378
1095.10	(5) GELBAR 1:9 for Watch Parts <i>intensive clean</i>	10 Ltr.	GELBAR	1	1 934
1093.1	(6) Elma 1:9 Uhrenteile/Watch Parts <i>intensive R./intensive clean</i>	1 Ltr.	ELMA	1	425
1093.10	(6) Elma 1:9 Uhrenteile/Watch Parts <i>intensive R./intensive clean</i>	10 Ltr.	ELMA	1	2 308
2082	(7) Wash out brush 180/80 mm 4 rows , black bristles	0,035 Kg	PRAC-TEC	1	67



Cleaning Fluids for Watch Cleaning Machines

Model	Description	Weight	Brand	Pcs.	NOK
1335	(1) Elma WF Wasserfreie Reinigungslösung	2,5 Ltr.	ELMA	1	633
1335.1	(1) Elma WF Water Free Cleaning Solution	10,0 Ltr.	ELMA	1	1 381
1335.12	(1A) TULON Cleaner (WF) im Blechkanister/ <i>Tin Can</i>	12,0 Ltr.	SK	1	1 397
1340	(2) Elma SUPROL PRO Wasserfreie Spül- und Wasserverdrängungslösung, z. B. nach I	2,5 Ltr.	ELMA	1	633
1340.1	(2) Elma SUPROL PRO Water Free Rinsing and Water-displacing solution, e. g. after	10,0 Ltr.	ELMA	1	1 381
1340.12	(2A) TULON Rinser (SUPROL PRO) im Blechkanister/ <i>Tin Can</i>	12,0 Ltr.	SK	1	1 304
1345	(3) Elma UNIMIX Wasserfreies Selbstschmierbad für den letzten Spülgang	1,0 Ltr.	ELMA	1	n/a
1345.25	(3) Elma UNIMIX Water Free Rinsing Lubricant Solution for cleaned watches	2,5 Ltr.	ELMA	1	1 425
1345.12	(3A) TULON PLUSLUB (UNIMIX) im Blechkanister/ <i>Tin Can</i>	12,0 Ltr.	SK	1	1 597

Engraving, Marking and Cutting

- Engraving area max. 238 x 178 x 39 mm
- 110-240 Volt - MAE7 47 Watt, MAS7 25 Watt
- Best Price/Perform. Ratio
- Engraves also curved surfaces



Magic CNC Engraving Machines

The CNC engraving machines of the MAGIC series are easy to use and have a good and reliable construction. The Software MagicEngrave 7 can work with files like JPG, GIF, PNG, BMP or vector files like SVG and DXF. Single lines, double lines and hatching mode are possible and even photo engraving is easy to do. The Magic E7 and Magic S7 are multifunctional machines and can engrave flat surfaces or rings inside and outside. With additional accessories you are able to engrave pens as well. The Magic E7, the follow-up model of Magic MA70, is also able to cut into the material or through the material like name plate cutting.

Model	Description	Weight	Brand	Pcs.	NOK
MAE7	Abm./Size 402 x 376 x 352 mm	40,000 Kg	MAGIC	1	73 040
MAS7	Abm./Size 402 x 376 x 352 mm	40.000 Kg	MAGIC	1	50 960

Engraving, marking and cutting

- engraving area max. 130 x 100 x 38,5 mm
- 110-240 Volt - M50=21/M70 = 40 Watt
- best price/performance ratio
- engraves curved surfaces

Beispielbild der MAGIC 70 (Power 40 Watt)



CNC Magic engraving machine

The CNC engraving machines of the MAGIC series are easy to use and have a good and reliable construction. The Software MagicArt can work with files like JPG, GIF, PNG, BMP or vector files like SVG and DXF. Single lines, double lines and hatching mode are possible and even photo engraving is easy to do. The Magic 50 and Magic 70 are multifunctional machines and can engrave flat surfaces or ring inside and outside. With additional accessory you are able to engrave pens as well. The Magic 70 is also able to cut into the material or through the material like name plate cutting.

Model	Description	Weight	Brand	Pcs.	NOK
MA20	Abm./Size 395 x 375 x 394 mm	30,000 kg	MAGIC	1	31 792
MA50	Abm./Size 395 x 375 x 394 mm	31,000 kg	MAGIC	1	47 192
MA70	Abm./Size 395 x 375 x 394 mm	32,500 kg	MAGIC	1	65 432

MAGIC L3 Laser marking and cutting

- wave length 1064nm
- max. engraving area 112 x 112 x 100 mm
- user friendly software!
- best price/performance ratio



CNC Magic engraving machine

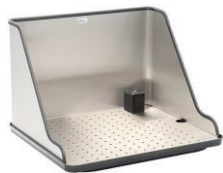
The laser machine is available in different versions, from 30W version till 100W industry version. With additional accessory you are able to engrave rings inside and outside. Finest lines with 0,5mm height and 0,05mm line width are possible. Integrated air cooling, automatic safety cover, focus camera, additional exhaustion and brandnew MagicArt software version 7. Additional accessory on request.

Model	Description	Weight	Brand	Pcs.	NOK
MAL3-30W	340 Watt, 404 x 556 x 590 mm	46,000 Kg	MAGIC	1	153 704
MAL3-60W	520 Watt, 404 x 556 x 590 mm	50,000 Kg	MAGIC	1	235 304
MAL3-100W	730 Watt, 404 x 556 x 590 mm	54,000 Kg	MAGIC	1	292 904

1200W

2200W

3200W



Steam Cleaner "STEAM JET"

Steam cleaning machine with stainless steel housing.

Ideal for cleaning metal bracelets and watch cases.

Device cleans quickly and brightly without any cleaning solutions (chemicals)!



Model	Description	Weight	Brand	Pcs.	NOK
3224	1200W - Size H 280/W 290+40/D 330 mm Temperatur: 150 °C / 4,5Bar	8,000 Kg	REITEL	1	16 790
3224.5	22000W - Size H 420/W 270+30/D 350 mm Temperatur: 160 °C / 6,0Bar	8,000 Kg	REITEL	1	30 050
3224.P	3200W - Size H 420/W 300+30/D 350 mm Temperatur: 160 °C / 6,0Bar	8,000 Kg	REITEL	1	37 496
3223.9	Evaporating dish – stainless steel – 425 x 385 x 295 mm	2,000 Kg	ELMA	1	2 996

Elmasteam 8 basic

Reliable and Quality Steam cleaning machine. -

Made in Germany- Long lasting and Steady and Profi-Pressure up to 8,0 bar.

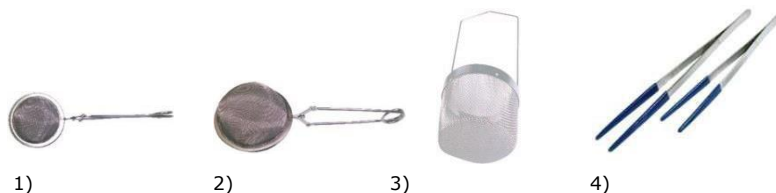
Powerfull Heating. Options: compressed air connections and with wet steam.

Ideal for cleaning metal bracelets and watch cases.

Device cleans quickly and brightly without any cleaning solutions (chemicals)!



Model	Description	Weight	Brand	Pcs.	NOK
3223.1	With fixed nozzle and foot switch 220V/3120W, 5,0 Ltr. Tank. Size 285x350x520mm	10,000 Kg	ELMA	1	22 524
3223.2	With fixed nozzle and foot switch, with pump w. compr. air connection	12,000 Kg	ELMA	1	29 724
3223.3	With handpiece 1,7 m	10,000 Kg	ELMA	1	25 212
3223.4	handpiece 1,7 m, with pump w. compr. air connection	12,000 Kg	ELMA	1	32 508
3223.5	w. handpiece 1,7 m, with pump w. compr. air connection and with wet steam	12,000 Kg	ELMA	1	34 716
3223.6	KOMBI w. fixed nozzle and foot switch, und mit Handstück/w. handpiece 1,7 m	10,000 Kg	ELMA	1	27 612
3223.7	KOMBI w. fixed nozzle and foot switch /w. handpiece 1,7 mund mit 2 x Druckluftpump	12,000 Kg	ELMA	1	35 292
3223.9	Evaating dish – stainless steel – 425 x 385 x 295 mm	2,000 Kg	ELMA	1	2 796



Accessories:

Model	Description	Weight	Brand	Pcs.	NOK
3950.17	(1) Edelstahl Handsieb, klappbar L 150 mm Ø 38 mm	0,028 Kg	SWISOTECH	1	135
3950.18	(2) Edelstahl Handsieb, klappbar L 170 mm Ø 55 mm	0,040 Kg	SWISOTECH	1	171
3950.19	(3) Edelstahl Tauchkorb L1 160, L2 45 x Ø 45 mm	0,040 Kg	SWISOTECH	1	216
3220.1	(4) Arbeitspinzette mit PVC-Überzug L 250 mm	0,125 Kg	SWISOTECH	1	178

Polishing Unit

Motor Power: 220 Watt

From 900 up to 4.700 rpm

2 x bright LED light - 3100 lux

2 spindles, brushes up to Ø 130 mm

Incl. filter exhausting system, 500 m³/h

More equipment on request.



Model	Description	Weight	Brand	Pcs.	NOK
3305	900 – 4.700 rpm/U/Min., 220 W, Abm./Size 440 x 260 x 250 mm, 220 Volt, 150 Watt, ø Bürste bis 130 mm	12,500 Kg	PRAC-TEC	1	6 655
3305.F	Ersatz-Filterkassette/spare filter cassette	0,130 Kg	PRAC-TEC	1	134
3305.R	Polierspindel mit 6 mm Gewindeaufnahme/ Fixing Unit with 6 mm shaft	0,150 Kg	PRAC-TEC	1	375

Polishing Unit

Motor Power: 450 Watt

From 900 up to 4.700 rpm

2 x bright LED light - 3100 lux

2 spindles, brushes up to Ø 130 mm

Incl. filter exhausting system, 500 m³/h



Model	Description	Weight	Brand	Pcs.	NOK
3304	950 – 4.100 rpm/U/Min., 450 W, Abm./Size 500 x 310 x 320 mm, 220 Volt, 150 Watt, ø Bürste bis 130 mm	15,500 KG	PRAC-TEC	1	7 555

2)



Original PRAC-TEC® Poliermotor "POLY-MASTER I"

The "POLY-MASTER I" is one of the most powerful table polishing motors available. A high end product for professionals. Extreme powerful Motor, very smooth running and silent while operating! A further core issue is the variable speed from 300 up to 3.000 rpm. Top filter system with 3 steps and 90% of dust separation.

Brush Ø up to 160 mm.

Top performance: 0,5 PS/0,37 KW motor power
variable speed from 300 up to 3.000 U/min, 3 step filter cassette exhausting system 750 m3/h.



Model	Description	Weight	Brand	Pcs.	NOK
3306	VARIO SPEED 300-3000 U/Min. 220 Volt -Size: 36 x 37 x 46 cm	30,000 Kg	PRAC-TEC	1	22 072
3306.F1	Ersatz-Filtermatte für 3306/07/08/09/15/16 spare filter mat	0,030 Kg	PRAC-TEC	1	191
3306.F2	Ersatz-Filterkassette 3306/07/08/09/15/16 /spare filter cassette	0,250 Kg	PRAC-TEC	1	579
3306.R/L	2) Ersatz-Polierspindel/Spare Polishing Spindle li/re (left/right)	0,300 Kg	PRAC-TEC	1	1 433

Original PRAC-TEC® Poliermotor "POLY-MASTER II"

The "POLY-MASTER II" is one of the most powerful table polishing motors available. A high end product for professionals. Extreme powerful Motor, very smooth running and silent while operating! A further core issue is the variable speed from 300 up to 3.000 rpm.

with digital speed control and digital Speed Display,
Top filter system with 3 cassette steps and 90% of dust separation. Brushes up to Ø 160 mm.

Top performance: 0,75 PS/0,5 KW motor power.



Model	Description	Weight	Brand	Pcs.	NOK
3315	300-3000 U/Min. -mit Digitalanzeige- Size: 68 x 37 x 46 cm	50,000 Kg	PRAC-TEC	1	43 272
3308	Same as 3315, but no digital speed control	50,000 Kg	PRAC-TEC	1	32 712
3309	Same as 3308, but no Multi Speed – 2 speeds 1500/3000 rpm.	50,000 Kg	PRAC-TEC	1	30 792



Original DIALUX® Polishing Paste

in bars for various applications:



Model	Description	Weight	Brand	Pcs.	NOK
1300.1	Größe/Size 100 x 33 x 30 mm - Red, super finishing for Gold	0,125 Kg	DIALUX	1	58,00
1300.2	Größe/Size 100 x 33 x 30 mm - White, finishing all metals and plastic	0,125 Kg	DIALUX	1	48,00
1300.3	Größe/Size 100 x 33 x 30 mm - Blue, super finishing for all metals and plastic	0,125 Kg	DIALUX	1	48,00
1300.4	Größe/Size 100 x 33 x 30 mm - Grey, refreshing stainless steel	0,125 Kg	DIALUX	1	54,00
1300.5	Größe/Size 100 x 33 x 30 mm - Yellow, re-polishing for non-ferrous metals and	0,125 Kg	DIALUX	1	54,00
1300.6	Größe/Size 100 x 33 x 30 mm - Green, super finishing for hardmetals (chrome, i	0,125 Kg	DIALUX	1	54,00
1300.7	Größe/Size 100 x 33 x 30 mm - Black, super finishing for Silver	0,125 Kg	DIALUX	1	66,00
1300.8	Größe/Size 100 x 33 x 30 mm - GOLD, super finishing for Silver	0,125 Kg	DIALUX	1	70,00
1300.V	Größe/Size 100 x 33 x 30 mm - DIALUX Vornex, Orange	0,125 Kg	DIALUX	1	60,00



Original LUXOR® Polishing Paste

in bars for various applications:



Model	Description	Weight	Brand	Pcs.	NOK
1000.R	Größe/Size 80 x 30 x 30 mm - 6,5µ Red, preparation all metals	0,110 Kg	LUXOR	1	76,80
1000.G	Größe/Size 80 x 30 x 30 mm - 3,5µ Green, preparation all metals	0,110 Kg	LUXOR	1	
1000.GR	Größe/Size 80 x 30 x 30 mm - 1,0µ Grey, preparation Platinum	0,110 Kg	LUXOR	1	
1000.B	Größe/Size 80 x 30 x 30 mm - 1,0µ Blue, polishing non ferrous, brass etc.	0,110 Kg	LUXOR	1	
1000.W	Größe/Size 80 x 30 x 30 mm - 0,3µ White, fine polishing Steel, gold, silver, platini	0,110 Kg	LUXOR	1	
1000.Y	Größe/Size 80 x 30 x 30 mm - 0,5µ yellow, finishing all gold	0,110 Kg	LUXOR	1	
1000.O	Größe/Size 80 x 30 x 30 mm - 0,1µ orange, super finishing, extremely good brig	0,110 Kg	LUXOR	1	
1000.A7	Sortiment mit 7 Farben/Set of 7 colours	0,850 Kg	LUXOR	1	756,00

RLX Recommended by the watch industry!

High Gloss polishing compound "RX"

Polishing compound for RX steel and gold Polishing medium: Muslin Buffs and Cotton Buffs



Model	Description	Weight	Brand	Pcs.	NOK
1316.1	RX 18 ct (w/s mirror finish – gloss 10) Größe/Size 150 x 50 x 35 mm	0,500 Kg	MENZERNA	1	332
1315	RX Steel (g/y-brillant lustre – gloss 7) Größe/Size 230 x 60 x 50 mm	1,300 Kg	MENZERNA	1	570
1316	RX 18 ct (w/s mirror finish – gloss 10) Größe/Size 230 x 60 x 50 mm	1,300 Kg	MENZERNA	1	565

Polishing compound "NEROLI"

High Gloss Polishing Compound for various applications.

Polishing medium: Cotton Buffs



Model	Description	Weight	Brand	Pcs.	NOK
1305.2	NEROLI White For Copper, Brass, MF-Metals, Co-Cr	1,200 Kg	MENZERNA	1	n/a
1305.3	NEROLI Green For Steel, MF-Metals, Co-Cr.	1,200 Kg	MENZERNA	1	n/a
1305.4	NEROLI Blue For all precious metals	1,200 Kg	MENZERNA	1	n/a
1305.5	NEROLI Red For Gold and Silver	1,200 Kg	MENZERNA	1	n/a

Polishing compound Rapid "Super Finish M5"

High Gloss Polishing Compound for Gold, Silver and Stainless Steel Polishing medium: Cotton Buffs



Model	Description	Weight	Brand	Pcs.	NOK
1306	Polishing paste Super Finish M5, For Gold, Silver and Steel, Size 230 x 60 x 50 mm	1,300 Kg	MENZERNA	1	606
1306.1	Polishing paste Super Finish M5, For Gold, Silver and Steel, Size 150 x 50 x 35 mm	0,500 Kg	MENZERNA	1	479

High Gloss polishing compound "Export Lustre"

The Highest Quality Tripoli Compound. Combines fineness of finish with rapid working in the polishing of all non-ferrous metals and plastics. Also ideal for cellulose acetate, phenol-urea and melamine-formaldehyde resins and other plastics. Polishing medium: Cotton Buffs



Model	Description	Weight	Brand	Pcs.	NOK
1301	Size 20 x 6 x 3,5 cm	0,700 Kg	UNIPOL	1	133

UNIPOL - Blue

Universal high gloss polishing compound for all metals. Polishing medium: Muslin Buffs and Cotton Buffs

1)



2)



Model	Description	Weight	Brand	Pcs.	NOK
1310.1	(1) Tube Polieremulsion für Silber, Messing etc. Tube 125 g #2101	0,130 Kg	UNIPOL	1	111
1310	(2) Block Größe/Size 160 x 60 x 45 mm #462	0,650 KG	UNIPOL	1	191

Polishing Wax "Crystal Clear"

For Crystals, high polishing wax emulsion, tube with appr. 125 g



Model	Description	Weight	Brand	Pcs.	NOK
1200	Abm./Size 140 x 35 x 25 mm	0,130 Kg	UNIPOL	1	149

Finger Coats made of Leather

Finger Protector for Polishing, contains 10 pieces each packing



Model	Description	Weight	Brand	Pcs.	NOK
2496.S	Größe/Size S, Ø 17 mm, VKE 10 Stück/pieces	0,010 Kg	SWISOTECH	10	181
2496.M	Größe/Size M, Ø 20 mm, VKE 10 Stück/pieces	0,020 Kg	SWISOTECH	10	181
2496.L	Größe/Size L, Ø 23 mm, VKE 10 Stück/pieces	0,030 Kg	SWISOTECH	10	181
2496.XL	Größe/Size XL, Ø 26 mm, VKE 10 Stück/pieces	0,040 Kg	SWISOTECH	10	181

Masking Tape

Brown-transparent. Protector for Polishing.

Heat resistant up to 400 C - Easy to remove.



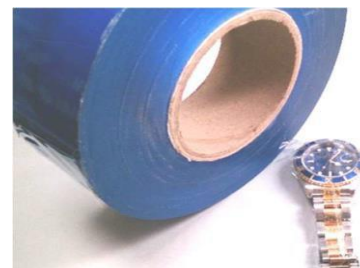
Model	Description	Weight	Brand	Pcs.	NOK
2498.2	Größe/Size 2.00 mm, L = 33 m	0,011 Kg	SWISOTECH	1	107
2498.3	Größe/Size 3.00 mm, L = 33 m	0,013 Kg	SWISOTECH	1	107
2498.4	Größe/Size 4.00 mm, L = 33 m	0,015 Kg	SWISOTECH	1	107
2498.575	Größe/Size 5.75 mm, L = 33 m	0,020 Kg	SWISOTECH	1	143
2498.6	Größe/Size 6.00 mm, L = 33 m	0,022 Kg	SWISOTECH	1	143
2498.65	Größe/Size 6.50 mm, L = 33 m	0,024 Kg	SWISOTECH	1	161
2498.7	Größe/Size 7.00 mm, L = 33 m	0,028 Kg	SWISOTECH	1	161
2498.75	Größe/Size 7.50 mm, L = 33 m	0,030 Kg	SWISOTECH	1	179
2498.8	Größe/Size 8.00 mm, L = 33 m	0,032 Kg	SWISOTECH	1	179
2498.9	Größe/Size 9.00 mm, L = 33 m	0,034 Kg	SWISOTECH	1	215
2498.12	Größe/Size 12.00 mm, L = 33 m	0,045 Kg	SWISOTECH	1	233

more sizes on request

Static Plastic Tape

for Metal Band/Case after polishing, 5 and 8 cm (Lady/Gent) x Lenth 200 m on a reel

Gives as professional look to jobs after case/bracelet is polished



Model	Description	Weight	Brand	Pcs.	NOK
2499.50	Abm./Size 5 cm x 200 m auf Rolle/reel	0,950 Kg	SWISOTECH	1	378
2499.80	Abm./Size 8 cm x 200 m auf Rolle/reel	1,300 Kg	SWISOTECH	1	420

Felt Wheels

flat edge, hole Ø 6 mm



Model	Description	Weight	Brand	Pcs.	NOK
2500.8	Größe/Size Ø 80 x 15 mm	0,045 Kg	SWISOTECH	1	71,10
2500.6	Größe/Size Ø 60 x 15 mm	0,035 Kg	SWISOTECH	1	62,10
2500.5	Größe/Size Ø 50 x 15 mm	0,025 Kg	SWISOTECH	1	58,50

Circular Brushes

Extra soft, with straight natural bristles Ø 48 mm (Goat Hair) Hole Ø 5 mm, 1 Row



Model	Description	Weight	Brand	Pcs.	NOK
2491	Größe/Size Ø 48 x 5 mm, weiß/white (#1536)	0,015 Kg	ROTIFIX	1	23,04

Circular Brushes

hard, with black stiff bristles Ø 48 mm Hole Ø 5 mm



Model	Description	Weight	Brand	Pcs.	NOK
2492	Größe/Size Ø 48 x 3 mm (#1533)	0,015 Kg	ROTIFIX	1	24,12

High Gloss Cotton Polishing Wheel

Very soft, 10 plies Ø 100 mm Hole Ø 10 mm



Model	Description	Weight	Brand	Pcs.	NOK
2489	Größe/Size Ø 100 x 10 mm (#54708)	0,032 Kg	ROTIFIX	1	20,70

Circular Brushes

Spiky, hard with black stiff bristles Ø 78 mm 4 rows, Hole Ø 6 mm



Model	Description	Weight	Brand	Pcs.	NOK
2488	Größe/Size Ø 78 x 15-6 mm (#33328)	0,035 Kg	ROTIFIX	1	89,10

Circular Brushes

Spiky, extra hard with black stiff bristles Ø 78 mm 4 rows, Hole Ø 6 mm



Model	Description	Weight	Brand	Pcs.	NOK
2487	Größe/Size Ø 78 x 15-6 mm (#2864)	0,035 Kg	ROTIFIX	1	35,10

Circular Brushes

Slight spiky, extra hard with black stiff bristols Ø 60 mm 4 rows, Hole Ø 6 mm



Model	Description	Weight	Brand	Pcs.	NOK
2486	Größe/Size Ø 60 x 13-10 mm (#140068)	0,030 Kg	ROTIFIX	1	36,90

High Gloss Cotton Cloth Polishing Wheel "RX"

Made of fine KFO-Cotton, with leather center, hole- Ø 6 mm



Model	Description	Weight	Brand	Pcs.	NOK
2493	Größe/Size Ø 150 x 25 mm (72 Lagen) (fein/fine f. RX)	0,225 Kg	SWISOTECH	1	409,00

High Gloss Cotton Cloth Polishing Wheel

Made of fine KFO-Cotton, with plastic center, hole- Ø 6 mm



Model	Description	Weight	Brand	Pcs.	NOK
2494	Größe/Size Ø 100 x 1-0 mm (für Schmuckbänder)	0,042 Kg	SWISOTECH	1	153,00

Cotton Buffs

With wooden center (hole Ø 6 mm)



Model	Description	Weight	Brand	Pcs.	NOK
2495.1	Größe/Size Ø 70 x 30 mm	0,065 Kg	SWISOTECH	1	157,50
2495.2	Größe/Size Ø 80 x 40 mm	0,095 Kg	SWISOTECH	1	170,00
2495.3	Größe/Size Ø 100 x 45 mm	0,190 Kg	SWISOTECH	1	351,00

High Gloss Muslin Buffs

from fine cotton disks, yellow treated,

4 x quilted with center hole Ø 6 mm w. leather center



Model	Description	Weight	Brand	Pcs.	NOK
2509	Größe/Size Ø 100 x 18 mm (4 inch) 50 Lagen/falps	0,065 Kg	PRAC-TEC	1	65,50
2506	Größe/Size Ø 125 x 18 mm (6 inch) 50 Lagen/falps	0,130 Kg	PRAC-TEC	1	75,60
2503	Größe/Size Ø 150 x 20 mm (6 inch) 60 Lagen/falps	0,175 Kg	PRAC-TEC	1	82,30

w. shellac center

2509.S	Größe/Size Ø 100 x 18 mm (4 inch) 50 Lagen/falps	0,065 Kg	PRAC-TEC	1	65,50
2506.S	Größe/Size Ø 125 x 18 mm (6 inch) 50 Lagen/falps	0,130 Kg	PRAC-TEC	1	75,60
2503.S	Größe/Size Ø 150 x 20 mm (6 inch) 60 Lagen/falps	0,130 Kg	PRAC-TEC	1	82,40

***!** Guide line for RX cases and bracelets

Grain: **400** = very fine , **250** fine , **150** medium , **80** rough

Hardness: **WP** = soft , **MP** = medium, **HP** = hard



ARTIFEX-Brushes

For precision grinding, satin finishing with center hole Ø 6 mm

*! Guide line for RX cases and bracelets

(1) Grinding Wheels

Model	Description	Weight	Brand	Pcs.	NOK
2526.2	(1) Vorschleifen I/ <i>grinding I</i> * ! 150 MP Ø 100 x 20 mm	0,160 Kg	ARTIFEX	1	419,00
2528.2	(1) Vorschleifen II/ <i>grinding II</i> * ! 400 MP Ø 100 x 20 mm	0,155 Kg	ARTIFEX	1	422,00
2525.2	(1) Hörnerschliff/ <i>bugle finish</i> * ! 80 MP Ø 100 x 20 mm	0,200 Kg	ARTIFEX	1	405,00
2525.1	(1) Bandrücken/ <i>back of bracelet</i> * ! 80 WP Ø 100 x 20 mm	0,115 Kg	ARTIFEX	1	440,00
2517.2	(1) Bänder/ <i>bracelet</i> * ! 150 MP Ø 100 x 10 mm	0,075 Kg	ARTIFEX	1	364,00
2516.2	(1) ubile/Oyster Bänder/ <i>bracelet</i> * ! 80 MP Ø 100 x 10 mm	0,095 Kg	ARTIFEX	1	364,00
2533.1	(1) SC 80 WP Ø 100 x 25 mm - Loch/hole 13 mm	0,150 Kg	ARTIFEX	1	464,00
2531.3	(1) SC 46 MP Ø 100 x 10 mm - Loch/hole 13 mm	0,120 Kg	ARTIFEX	1	458,00



(2) Grinding Cones

Model	Description	Weight	Brand	Pcs.	NOK
2515.2	(2) GMT+SUB Seitenschliff/side finish *! 400 MP Ø 15-22xL65 mm	0,022 Kg	ARTIFEX	1	396,00
2511.2	(2) SC 80 MP Ø 15-22 x L65 mm	0,022 Kg	ARTIFEX	1	330,00
2514.2	(2) SC 250 MP Ø 15-22 x L65 mm	0,022 Kg	ARTIFEX	1	409,00



Grinding Cones

Model	Description	Weight	Brand	Pcs.	NOK
2518	(3) SC 120 MZ AX-O-Abrasive block Size 80 x 50 x 20 mm	0,115 Kg	ARTIFEX	1	76,00



Scotch Brite brushes

For precision grinding, satin finishing with center hole Ø 6 mm

Model	Description	Weight	Brand	Pcs.	NOK
2510.3	(180) fine Größe/Size Ø 110 x 25 mm	0,140 Kg	SWISOTECH	1	125,00
2510.2	(280) very fine Größe/Size Ø 110 x 25 mm	0,145 Kg	SWISOTECH	1	125,00
2510.1	(800) ultra fine Größe/Size Ø 110 x 25 mm	0,150 Kg	SWISOTECH	1	125,00





Emery Sticks

1st Quality, Made in Germany

Shape: flat:



Model	Description	Weight	Brand	Pcs.	NOK
2940.1	VKE/Unit 50 L 250 x 18 x 5 mm Korn/grain 6/0 ~ 1000	0,009 Kg	SWISOTECH	50	637
2940.2	VKE/Unit 50 L 250 x 18 x 5 mm Korn/grain 4/0 ~ 600	0,009 Kg	SWISOTECH	50	
2940.3	VKE/Unit 50 L 250 x 18 x 5 mm Korn/grain 3/0 ~ 500	0,009 Kg	SWISOTECH	50	
2940.4	VKE/Unit 50 L 250 x 18 x 5 mm Korn/grain 2/0 ~ 400	0,009 Kg	SWISOTECH	50	
2940.5	VKE/Unit 50 L 250 x 18 x 5 mm Korn/grain 1/0 ~ 320	0,009 Kg	SWISOTECH	50	
2940.6	VKE/Unit 50 L 250 x 18 x 5 mm Korn/grain 1 ~ 240	0,009 Kg	SWISOTECH	50	
2940.7	VKE/Unit 50 L 250 x 18 x 5 mm Korn/grain 2 ~ 120	0,009 Kg	SWISOTECH	50	

Shape: halfround:



2941.1	VKE/Unit 50 L 250 x 12 x 5 mm Korn/grain 6/0 ~ 1000	0,009 Kg	SWISOTECH	50	907
2941.2	VKE/Unit 50 L 250 x 12 x 5 mm Korn/grain 4/0 ~ 600	0,009 Kg	SWISOTECH	50	
2941.3	VKE/Unit 50 L 250 x 12 x 5 mm Korn/grain 3/0 ~ 500	0,009 Kg	SWISOTECH	50	
2941.4	VKE/Unit 50 L 250 x 12 x 5 mm Korn/grain 2/0 ~ 400	0,009 Kg	SWISOTECH	50	
2941.5	VKE/Unit 50 L 250 x 12 x 5 mm Korn/grain 1/0 ~ 320	0,009 Kg	SWISOTECH	50	
2941.6	VKE/Unit 50 L 250 x 12 x 5 mm Korn/grain 1 ~ 240	0,009 Kg	SWISOTECH	50	
2941.7	VKE/Unit 50 L 250 x 12 x 5 mm Korn/grain 2 ~ 120	0,009 Kg	SWISOTECH	50	

Shape: triangular:



2942.1	VKE/Unit 50 L 250 x 10 x 10 x 10 mm Korn/grain 6/0 ~ 1000	0,009 Kg	SWISOTECH	50	975
2942.2	VKE/Unit 50 L 250 x 10 x 10 x 10 mm Korn/grain 4/0 ~ 600	0,009 Kg	SWISOTECH	50	
2942.3	VKE/Unit 50 L 250 x 10 x 10 x 10 mm Korn/grain 3/0 ~ 500	0,009 Kg	SWISOTECH	50	
2942.4	VKE/Unit 50 L 250 x 10 x 10 x 10 mm Korn/grain 2/0 ~ 400	0,009 Kg	SWISOTECH	50	
2942.5	VKE/Unit 50 L 250 x 10 x 10 x 10 mm Korn/grain 1/0 ~ 320	0,009 Kg	SWISOTECH	50	
2942.6	VKE/Unit 50 L 250 x 10 x 10 x 10 mm Korn/grain 1 ~ 240	0,009 Kg	SWISOTECH	50	
2942.7	VKE/Unit 50 L 250 x 10 x 10 x 10 mm Korn/grain 2 ~ 120	0,009 Kg	SWISOTECH	50	

Shape: round:



2943.1	VKE/Unit 50 L 250 x 10 mm Korn/grain 6/0 ~ 1000	0,009 Kg	SWISOTECH	50	1 110
2943.2	VKE/Unit 50 L 250 x 10 mm Korn/grain 4/0 ~ 600	0,009 Kg	SWISOTECH	50	
2943.3	VKE/Unit 50 L 250 x 10 mm Korn/grain 3/0 ~ 500	0,009 Kg	SWISOTECH	50	
2943.4	VKE/Unit 50 L 250 x 10 mm Korn/grain 2/0 ~ 400	0,009 Kg	SWISOTECH	50	
2943.5	VKE/Unit 50 L 250 x 10 mm Korn/grain 1/0 ~ 320	0,009 Kg	SWISOTECH	50	
2943.6	VKE/Unit 50 L 250 x 10 mm Korn/grain 1 ~ 240	0,009 Kg	SWISOTECH	50	
2943.7	VKE/Unit 50 L 250 x 10 mm Korn/grain 2 ~ 120	0,009 Kg	SWISOTECH	50	

More emery sticks (form/grain) on request



Belt Grinding and Lapping Machine SL-2

Grinding and Lapping Machine. Using the Lapping Machine surfaces and edges can be reconstructed in a very special way: surfaces, edges, cuts and shapes of watch cases and metal straps can be exactly restored. Advantage against usual polishing motors: By repeated simple polishing of watch cases and bands, the edges and shapes are rounded more and more and the watch case loses its original shape/form. Only a precision lapping machine can reconstruct the original shape, especially edge grinding etc. The LM-1 lapping machine has a powerful motor with electronic motor control board and speed control. For your safety, the machine is also equipped with an emergency stop switch. As an extra an adjustable support table (Item No. 3963.1) can be fixed on the guide rail, (included in the basic equipment) or a watch case clamping device (3963.2)



Model	Description	Weight	Brand	Pcs.	NOK
SL2	60 – 3.000 U/min. 230 Volt, 0,5 KW (0,75 PS) Disc Ø 240 mm or 180 mm. Size 700 x 380 x 600 mm	35,000 Kg	GREINER	1	n/a
3963.1	(A) Auflagentisch/Support Table	3,400 Kg	GREINER	1	20 926
3963.2	(B) Uhrgehäusespannvorrichtung/Watch Case Clamping Device	1,500 Kg	GREINER	1	27 406

Lapping Film

Pack of each 50 pieces, Ø 250 mm self adhesive,
self adhesive, for finishing watch cases, dials, Mineral glasses etc.,



3960.2	VKE/Unit 50 Korn/grain (0,5 micron)	weiss/white	0,010 Kg	SWISOTECH	50	3 640
3960.3	VKE/Unit 50 Korn/grain (1,0 micron)	hellgrün/light green	0,012 Kg	SWISOTECH	50	3 640
3960.4	VKE/Unit 50 Korn/grain (3,0 micron)	rosa/pink	0,014 Kg	SWISOTECH	50	3 640
3960.5	VKE/Unit 50 Korn/grain (9,0 micron)	hellblau/light blue	0,016 Kg	SWISOTECH	50	3 640
3960.6	VKE/Unit 50 Korn/grain (12,0 micron)	gelb/yellow	0,018 Kg	SWISOTECH	50	3 640
3960.7	VKE/Unit 50 Korn/grain (16,0 micron)	grau/grey	0,020 Kg	SWISOTECH	50	3 640
3960.8	VKE/Unit 50 Korn/grain (30,0 micron)	grün/green	0,024 Kg	SWISOTECH	50	3 640



No. 3969.T

No. 3969.LC

Belt Grinding and Lapping Machine – LGD 2 in 1

Surfaces and edges can be reconstructed in a very effective way: Surfaces, edges, cuts and shapes of watch cases and metal straps can be exactly restored. Advantage against usual polishing motors: By repeated simple polishing of watch cases and bands, the edges and shapes are rounded more and more and the watch case loses its original shape/form. Only a precision lapping machine can reconstruct the original shape, especially edge grinding etc. The lapping machine No. 3969 has a powerful motor with a touch panel for motor and speed control. For your safety, the machine is also equipped with an emergency stop switch. Separately available 3D adjustable support table No. 3969... (additional order) can be fixed for grinding and lapping. A Watch Clamping Device No. 3969.LC

(additional order) can be fixed on the guide rail.

Technical Datas: Disc Ø 250 mm/grinding belt 1000 x 100 mm/0-1800 rpm/220-240 Volt/power/output 1,1 KW (1,5 metric HP)

Model	Description	Weight	Brand	Pcs.	NOK
3969	Größe/Size: 920x480x616mm (L x B x H / L x W x H) 230 Volt	95,000 Kg	SWISOTECH	1	100 320
3969.T	Auflagentisch/Support Table	3,400 Kg	SWISOTECH	1	16 066
3969.HL	Halter lg. für. Auflagentisch Bandschleifer längslong Socket for Support Table belt grind	1,200 Kg	SWISOTECH	1	3 894
3969.LC	Uhrgehäusespannvorrichtung/Watch Case Clamping Device	2,000 Kg	SWISOTECH	1	31 186



No. 3969.LC

Lapping Machine LD-1

Surfaces and edges can be reconstructed in a very effective way: Surfaces, edges, cuts and shapes of watch cases and metal straps can be exactly restored. Advantage against usual polishing motors: By repeated simple polishing of watch cases and bands, the edges and shapes are rounded more and more and the watch case loses its original shape/form. Only a precision lapping machine can reconstruct the original shape, especially edge grinding etc. The lapping machine No. 3968 has a powerful motor with a touch panel for motor and speed control. For your safety, the machine is also equipped with an emergency stop switch. Separately available 3D adjustable support table No. 3969.LQ (additional order) can be fixed for grinding and lapping. A Watch Clamping Device No. 3969.LC

Technical Datas: Disc Ø 250 mm/grinding belt 1000 x 100 mm/0-1800 rpm/220-240 Volt/power/output 1,1 KW (1,5 metric HP)

Model	Description	Weight	Brand	Pcs.	NOK
3968	Größe/Size: 700x415x616mm (L x B x H / L x W x H) 230 Volt	65,000 Kg	SWISOTECH	1	63 600
3969.T	Auflagentisch/Support Table	3,400 Kg	SWISOTECH	1	16 066
3969.LC	Uhrgehäusespannvorrichtung/Watch Case Clamping Device	2,000 Kg	SWISOTECH	1	31 186

Sanding Belts

Aluminium oxide, water resistant with good surface pattern, perfect for belt sander



Model	Description	Weight	Brand	Pcs.	NOK
3967.9	VKE/Unit 50 Korn/grain 280 Größe/ Size 100 x 1000 mm	0,020 Kg	SWISOTECH	50	3 586
3967.10	VKE/Unit 50 Korn/grain 320 Größe/ Size 100 x 1000 mm	0,024 Kg	SWISOTECH	50	3 586
3967.11	VKE/Unit 50 Korn/grain 600 Größe/ Size 100 x 1000 mm	0,018 Kg	SWISOTECH	50	3 586
3967.12	VKE/Unit 60 Korn/grain 1200 Größe/ Size 100 x 1000 mm	0,020 Kg	SWISOTECH	60	10 055
3967.13	VKE/Unit 60 Korn/grain 2000 Größe/ Size 100 x 1000 mm	0,024 Kg	SWISOTECH	60	10 055



Glass Cutting Machine "Kronoglass"

Semi-automatic glass cutting machine for flat and domed watch crystals up to Ø 60mm and 2.5mm thickness. The machine can either copy a new glass from the original glass, or from a resin pattern that can be quickly prepared by using the watch case as a template.



Model	Description	Weight	Brand	Pcs.	NOK
3222	230/120V/250W - Abm./Size 400 x 280 x 270 mm	14,000 Kg	Kronoglass	1	49 379



Special transparent Cabinet "Microbox"

A pullout drawer collects precious alloys. Use for all jobs with a motor hand pieces.

Model	Description	Weight	Brand	Pcs.	NOK
3831	Amb./Size 320 x 300 x 250 mm	3,500 Kg	PRAC-TEC	1	3 052



2)



1)



Sand Blasting Machine "Neosab 3"

Mini Sand blasting machine with 3 tanks. Perfect use for watches & Jewellery (all metal surfaces). Oxyd granulation from 25 up to 250 µm. Cpl. with 3 Widia Nozzles, extra hard Ø 0,8/1,2/1,5 mm.

Model	Description	Weight	Brand	Pcs.	NOK
3827	(1) Sand Blasting Machine 220-240 Volt, Amb./Size 340 x 420 x 440 mm	13,500 Kg	PRAC-TEC	1	15 392
3825	(2) Dust Coll. 220-240 Volt, 375-750 Watt - Size 390 x 400 x 200 mm	12,000 Kg	PRAC-TEC	1	9 632
3827.50	5,0 Kg Aluminium-Oxyd/Aluminium oxides 50 µDüse/ Nozzel 0,8	5,000 Kg	PRAC-TEC	1	970
3827.100	5,0 Kg Aluminium-Oxyd/Aluminium oxides 100 µDüse/ Nozzel 0,8	5,000 Kg	PRAC-TEC	1	970
3827.150	5,0 Kg Aluminium-Oxyd/Aluminium oxides 150 µDüse/ Nozzel 1,2	5,000 Kg	PRAC-TEC	1	970
3827.200	5,0 Kg Aluminium-Oxyd/Aluminium oxides 200 µDüse/ Nozzel 1,5	5,000 Kg	PRAC-TEC	1	970
3827.250	5,0 Kg Aluminium-Oxyd/Aluminium oxides 250 µDüse/ Nozzel 1,5	5,000 Kg	PRAC-TEC	1	970
3827.GL	5,0 Kg Glasperlen/Rolloblast 50 µDüse/ Nozzel 0,8	5,000 Kg	PRAC-TEC	1	779



Lathe "VECTOR"

Precision lathe, particularly made for the needs of the watchmaker. It is supplied with an extensive basic equipment with a wooden base. All small accessories, like e. g. Clamping devices are accommodated in the wooden base for fastuse.

Model	Description	Weight	Brand	Pcs.	NOK
3970.48	Vector Lathe with 48 chucks 0,3-8,0 mm Size 435 x 335 x 145 mm	12,500 Kg	VECTOR	1	50 725

Grundausrüstung Drehbank mit 48er Spannzangensatz 0,3-8,0 mm:

- Spindelstock (Spitzenhöhe 47 mm) – Maschinensockel - Wange (Länge 260 mm) - Bohrreitstock mit Spitze und Körnerlager
- Kurbelkreuzsupport – Höhensupport - Schleifspindel - umklappbare Handauflage inkl. schmaler und breiter Auflage – Sägetischchen
- einfache Feilrolle - 4 Anzugrohre - 3 Lackscheiben aus Messing inkl. Spannzange - Aufnahmedorn für Schleifscheibe und Sägeblätter
- Schleifscheibe mit Distanzring – Antriebsriemen
- Blech zum Verschweißen des Antriebsriemens - 48-teiliger Spannzangensatz-Schaftdurchmesser 8 mm mit folgenden Ø:
0,3 - 0,4 - 0,5 - 0,6 - 0,7 - 0,8 - 0,9 - 1,0 - 1,1 - 1,2 - 1,3 - 1,4 - 1,5 - 1,6 - 1,7 - 1,8 - 1,9 - 2,0 - 2,2 - 2,4 - 2,6 - 2,8 - 3,0 - 3,2 - 3,4 - 3,6 - 3,8 - 4,0 - 4,2 - 4,4 - 4,6 - 4,8 - 5,0 - 5,2 - 5,4 - 5,6 - 5,8 - 6,0 - 6,2 - 6,4 - 6,6 - 6,8 - 7,0 - 7,2 - 7,4 - 7,6 - 7,8 - 8,0 mm

Model	Description	Weight	Brand	Pcs.	NOK
970.20	Vector Lathe with 20 chucks 0,4 - 4,0 mm Size 35 x 335 x 145 mm	11,500 Kg	VECTOR	1	44 029

Grundausrüstung Drehbank mit 20er Spannzangensatz 0,4-4,0 mm:

Wie oben, jedoch mit 20-teiligem Spannzangensatz, Ø: 0,4 - 0,5 - 0,6 - 0,8 - 1,0 - 1,2 - 1,4 - 1,6 - 1,8 - 2,0 - 2,2 - 2,4 - 2,6 - 2,8 - 3,0 - 3,2 - 3,4 - 3,6 - 3,8 - 4,0 mm



1)



3)



5)



6)



7)

VECTOR Lathe Accessories:



Model	Description	Weight	Brand	Pcs.	NOK
3970.1	(1) 220 V/180 W - Geräuscharmer Drehstrommotor mit sehr großer Durchzugskraft bereits bei geringsten Drehzahlen durch Frequenzumrichter, stufenlos regelbar von 0 - 2500 U/Min im Rechts- und Linkslauf durch Potentiometer	7,500 Kg	VECTOR	1	13 272
3970.3	(3) Holzuntergestell aus Buche für VECTOR-Motor, im montierten Zustand nur Bedienelement des Frequenzumrichters sichtbar	2,300 Kg	VECTOR	1	2 606
3970.4	(5) Vorgelege inkl. 2 Messing-Positionierdornen und Antriebsriemen	2,100 Kg	VECTOR	1	3 438
3970.5	(6) Teilscheibe 1 - 17 Standardlochkreise einseitig - Lochkreise auf der Vorderseite: 46, 54, 58, 59, 62, 70, 76, 80, 100, 132, 144, 150, 156, 168, 180, 192, 204	0,600 Kg	VECTOR	1	6 710
3970.6	(7) 3-Backenfutter (Swiss Made) mit gehärteten D-Backen. - Spannungsbereich: Außenspannungs-Ø 0,8 - 23 mm, Innenspannungs-Ø 17 - 64 mm	0,500 Kg	VECTOR	1	12 790
3970.7	Anzugsrohr, Standardlänge mit VECTOR-Gewinde	0,020 Kg	VECTOR	1	664
3970.8	Anzugsrohr, Standardlänge mit Gewinde Z 6,85 x 40 Gg/''	0,022 Kg	VECTOR	1	735
3970.9	Lackscheibenset bestehend aus: Aufnahme und 3 Lackscheiben Ø 7/15/20 mm	0,050 Kg	VECTOR	1	1 231
3970.10	HSS-Vierkantrohling für Drehmeißel 4 x 4 x 63 mm	0,020 Kg	VECTOR	1	196

Assortment Plug-Steel

Cont. 12 pcs.



Model	Description	Weight	Brand	Pcs.	NOK
2749	Ø 0,55 - 1,95 mm - L 110 mm	0,040 Kg	SWISOTECH	12	201
2749.1	Ø 2,20 - 3,95 mm - L 110 mm	0,040 Kg	SWISOTECH	12	259

Vertical Drilling Machine Flott "TB 10 eco Plus"

Precision Drilling Machine with stepless electronic steering and rule mechanism.

Surfaces and edges can be in a very special way reconstructed.

The electronic rule mechanism keeps the number of revolutions constantly also during strong load.

With fast fixing chuck from 1-13 mm and adjustable drilling depth attack up to 15 mm.



Model	Description	Weight	Brand	Pcs.	NOK
3965	500-3000 U/min. 220 Volt/0,45 KW Größe/Size 300x180x475-680 mm	20,000Kg	FLOTT	1	19 266
3965.1	Schraubstock Backenbreite 85 mm für Flott TB 10 STW/Support	3,850 Kg	FLOTT	1	2 001
3965.2	B 16/1-13 mm Schnellspannbohrfutter für Flott TB 10STW/Support	0,200 Kg	FLOTT	1	1 310



PUK 6 Spot Welding Device

New **ergonomic operating concept** with one-hand joystick with turn-push-tilt function and intuitive menu navigation. Faster, stronger, more precise, higher performance in all dimensions for fine welding technology at an unprecedented level. 50% finer spot welds - up to 65 % faster spot weld sequence - 67 % shorter welding time in micro mode



Model	Description	Weight	Brand	Pcs.	NOK
PUK 6	Ohne Mikroskope/witout Microscope Size 250,0 x 200,0 x 330,0 mm	9,500 Kg	LAMPERT	1	47 148
200226	PUK Schweißmikroskop SM6/PUK Welding Microscope SM6	3,600 Kg	LAMPERT	1	13 588
100600	PUK Durchflussregler für Argon/PUK Flow regulator for argon	1,550 Kg	LAMPERT	1	1 808
100850	OPTION Fußschalter/ PUK Foot Switch	0,650 Kg	LAMPERT	1	698
100858	OPTION Elektroden-Schleifmotor/grinding motor for electrodes	0,350 Kg	LAMPERT	1	2 799



Stemi 305 EDU – Your compact Greenough-Stereo Microscope

The STEMI 305 from CARL ZEISS has a sturdy, hard-wearing technology, is very easy to operate and thereby you don't have any compromises whatsoever in image definition and brilliance. The compact package wins over the Stand C. The patented zoom system of the STEMI 305 (Double Lens Vario, zoom factor 4) guarantees high-resolution, brilliant images over the entire zoom range. Magnification: 8 x – 32 x. Working distance: 92 mm, Field of view: 25,0 – 6,3 mm. Lighting: LED cold light (in series: reflected- and transmitted-light brightfield, mixed light; option: transmitted-light darkfield, polarization contrast inreflected and transmitted light)



Model	Description	Weight	Brand	Pcs.	NOK
3930	ZEISS Stemi 305 EDU Mikroskop-Set	5,000 Kg	ZEISS	1	13 518
3930 TRINO	ZEISS Stemi 305 trino mit Stativ K MAT und Ringleuchte K LED	7,500 Kg	ZEISS	1	18 741
3930 CAM	ZEISS HD IP Wi-Fi Kamera Axiocam 105 color	1,800 Kg	ZEISS	1	18 674

More branded Microscopes available on request!

2)



3)



1)



4)



Hanging Motors

500 Watt Motor Power

Incl. speed foot pedal, flexible shaft and hand piece Ø 2,35 mm

Adjustable speed 0 - 25.000 rpm

Best Price/perform. Ratio

Model	Description	Weight	Brand	Pcs.	NOK
3314SET	(1-3) 220V/ 500 W , multi speed 0-25.000 rpm, incl. hand piece and flexible shaft	5,000 Kg	PRAC-TEC	1	2 851
3322	(2) EXTRA: Ersatz Schnellspann-Handstück/Fast fixing hand piece	0,100 Kg	PRAC-TEC	1	831
3330	(4) EXTRA: Tisch Teleskopstativ/Bench Tripod	1 500 Kg	PRAC-TEC	1	831



Micromotor "PRAC-TEC Maxima D-File"

Power: 220-240 Volt, rotation: 0 – 40.000 rpm,

with strong torque (5N/cm) also for stone setting, with

hand & foot control, fast fixing handpiece Ø 2,35mm



Model	Description	Weight	Brand	Pcs.	NOK
3332	220-240 Volt - Abm./Size 150 x 230 x 115 mm	3,300 Kg	PRAC-TEC	1	5 155
3319	o.Abb./no fig. Splitter Box For 2nd Handpiece/Hammer Handpiece	0,500 Kg	PRAC-TEC	1	2 002

Original Polirapid®

Set of 18 mini brushes with Shaft Ø 2,35 mm

Content: **Rad** (Chunking Borsten weiß und schwarz, Ziegenhaar weiß, Borsten meliert, Messingdraht, Filz) - **Schwabbel** (Flanell, Wolle/Garn, Leder, Filz) **Linse** (Filz) - **Kelch** (Borsten weiß und schwarz) - **Pinself** (Borsten weiß)

Birne (Filz) - **Flamme** (Filz) - **Spitzen** in groß und klein (Filz)

Re-Order Service in pack of 12 pces:

Line1: P110/21 - P111/21- P112/21 - P109/21 - P102/21

Line2: P103/21 - P100/21 - P101/21 - P115/21 - P60/21 - P61/21

Line3: P105 - P106 - P104A - P56 - P55 -P57 - P58



Model	Description	Weight	Brand	Pcs.	NOK
P200	Set 18 Stück/pieces - Größe/Size 160 x 75 x 75 mm	0,200 Kg	POLIRAPID	1	674
P110-P58	Pack of each 12 pces. per Type€/pc.	0,060 Kg	POLIRAPID	1	23

Original LORTONE® Polishing Tumbler

High Gloss polishing and grinding

(barrel finishing) for many parts, same time



Model	Description	Weight	Brand	Pcs.	NOK
3375.45C	Mod. 45C, 1.5 Litre drum , 220V / 73 Watt Size 265 x 165 x 220 mm	3,500 Kg	LORTONE	1	3 401
3375.QT12	TQ12 with 4,3 Litre drum , 220V / 145 Watt Size 340 x 200 x 260 mm	6,900 Kg	LORTONE	1	5 604

Stainless steel polishing balls



Model	Description	Weight	Brand	Pcs.	NOK
3375.2	1 kg - Ø 2.0 mm runde Edelstahl-Polierkugeln /stainless steel polishing balls	1,000 Kg	PRAC-TEC	1	634
3375.25	1 kg - Ø 2.5 mm runde Edelstahl-Polierkugeln /stainless steel polishing balls	1,000 Kg	PRAC-TEC	1	634
3375.3	1 kg - Ø 3.0 mm runde Edelstahl-Polierkugeln /stainless steel polishing balls	1,000 Kg	PRAC-TEC	1	634
1094	Ropolin, 1 Liter/litre Polierseife für Poliertrommeln/for polishing drums	1,050 Kg	PRAC-TEC	1	610

Set of setting closers

made of HSS Steel, in wooden case



Model	Description	Weight	Brand	Pcs.	NOK
2900.18		0,320 Kg	PRAC-TEC	1	1 404
2900.24		0,375 Kg	PRAC-TEC	1	1 634

Original PRAC-TEC® Profile Cutting Device

For cutting and filing wires and tubes. Hardened steel for highest quality and precision.



Model	Description	Weight	Brand	Pcs.	NOK
2949.1	Winkelanschlag/Angle Stop 90° + 45° - Härte/Hardness 65HRC	0,250 Kg	PRAC-TEC	1	2 076
2949.2	Winkelanschlag/Angle Stop 90°/45°/30° - Härte/Hardness 65HRC	0,250 Kg	PRAC-TEC	1	2 412
2949.3	Winkelanschlag/Angle Stop 90°/45°/30°/60°/54° - Härte/Hardness 65HRC	0,250 Kg	PRAC-TEC	1	3 132
2949.4	Winkelanschlag/Angle Stopper 90°/45°/30°/60°/67,5° - Härte/Hardness 65HRC	0,250 Kg	PRAC-TEC	1	3 132

Bent Punching stamp for Rings "Made in Germany"

L 85 mm, hight of precision engraving 0,75 mm



Model	Description	Weight	Brand	Pcs.	NOK
2830.925	925 - L 85 mm - Schrifthöhe/Print 0,75 mm	0,050 Kg		1	430
2830.585	585 - L 85 mm - Schrifthöhe/Print 0,75 mm	0,050 Kg		1	430
2830.750	750 - L 85 mm - Schrifthöhe/Print 0,75 mm	0,050 Kg		1	430
2830.14 K	14K - L 85 mm - Schrifthöhe/Print 0,75 mm	0,050 Kg		1	430
2830.18 K	18K - L 85 mm - Schrifthöhe/Print 0,75 mm	0,050 Kg		1	430
2830.24 K	24K - L 85 mm - Schrifthöhe/Print 0,75 mm	0,050 Kg		1	430

more punching stamps on reques

Extremely hard and precise
Extremely long endurance

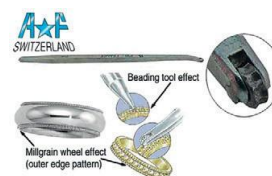
Original PRAC-TEC® Beading Tools
for Jewellers and Goldsmiths



Model	Description	Size	Weight	Brand	Pcs.	NOK
2931.1 to 15	Original Prac-Tec® Korneisen / Beading Tools	1-15	0,320 Kg	PRAC-TEC	1	10,80

Extremely hard and precise
Extremely long endurance

Original "FRANCE" Millgrain Wheels
for Jewellers and Goldsmiths



Model	Description	Size	Weight	Brand	Pcs.	NOK
2911.1	Original Millgrain Wheels, for Jewellers and Goldsmiths	1	0,000 Kg		1	229
2911.2	Original Millgrain Wheels, for Jewellers and Goldsmiths	2	0,000 Kg		1	
2911.3	Original Millgrain Wheels, for Jewellers and Goldsmiths	3	0,000 Kg		1	
2911.4	Original Millgrain Wheels, for Jewellers and Goldsmiths	4	0,000 Kg		1	
2911.5	Original Millgrain Wheels, for Jewellers and Goldsmiths	5	0,000 Kg		1	
2911.6	Original Millgrain Wheels, for Jewellers and Goldsmiths	6	0,000 Kg		1	
2911.7	Original Millgrain Wheels, for Jewellers and Goldsmiths	7	0,000 Kg		1	
2911.8	Original Millgrain Wheels, for Jewellers and Goldsmiths	8	0,000 Kg		1	
2911.9	Original Millgrain Wheels, for Jewellers and Goldsmiths	9	0,000 Kg		1	
2911.10	Original Millgrain Wheels, for Jewellers and Goldsmiths	10	0,000 Kg		1	
2911.11	Original Millgrain Wheels, for Jewellers and Goldsmiths	11	0,000 Kg		1	
2911.12	Original Millgrain Wheels, for Jewellers and Goldsmiths	12	0,000 Kg		1	
2911.13	Original Millgrain Wheels, for Jewellers and Goldsmiths	13	0,000 Kg		1	
2911.14	Original Millgrain Wheels, for Jewellers and Goldsmiths	14	0,000 Kg		1	
2911.15	Original Millgrain Wheels, for Jewellers and Goldsmiths	15	0,000 Kg		1	

Extremely hard and precise
Extremely long endurance, super gloss finish



Original "FRANCE" Fyons (Plates for Beading Tools)



Model	Description	Polished Head	Weight	Brand	Pcs.	NOK
2937A	Original Fyons rund mit 12 gesenkten Böden / round with 12 sunk heads	12	0,000 Kg		1	506
2937B	Original Fyons rund mit 12 spitzen Köpfen / round with 12 pointed heads	12	0,000 Kg		1	506
2938A	Original Fyons rechteckig mit 12 gesenkten Böden / rectangular with 12 s	12	0,000 Kg		1	622
2938B	Original Fyons rechteckig mit 12 spitzen Köpfen / rectangular with 12 poir	12	0,000 Kg		1	622

swisotech®

SWISOTECH Immersion Bath SILVER

Content: SWISOTECH Immersion Bath for Silver and Juwels, cleans, entoxidizes, maintains, with an optimized antitarnish surface and protection (ATP7)



SWISOTECH Immersion Bath GOLD

Content: SWISOTECH Immersion Bath for Gold and Juwels, cleans, entoxidizes, maintains, with an optimized antitarnish surface and protection (ATP7)



Model	Description	Pack	Weight	Brand	Pcs.	NOK
1060	Immersion Bath for Gold and Juwels	12 pcs.	150 ml	SWISOTECH	12	937
1061	Immersion Bath for Silver and Juwels	12 pcs.	150 ml	SWISOTECH	12	937

Original NIESSING®

Ring stretching and enlarging Machine

A High End invention of Niessing. Important for the smooth operation of the device is the use of jointless rings without diamond setting of high-grade alloys, such as those offered by Niessing.



Model	Description	Weight	Brand	Pcs.	NOK
6010	Basic Set, mit Accessoires / with accessories - Größe/Size 170x215x600 mm	22,000 Kg	NIESSING	1	17 014
6011	Basic Set, ohne Accessoires / without accessories - Größe/Size 170x215x600 mm	20,000 Kg	NIESSING	1	14 209
6012	Set of accessories: wooden plate, set of 10 steel stamps, 2 sets of each 20 plastic prot 2,000 Kg		NIESSING	1	3 305

Wedding Ring stretching and enlarging Machine

The devices use is for stretching and enlarging wedding rings without stone setting of high-grade alloys.



Model	Description	Weight	Brand	Pcs.	NOK
3235	Größe/Size 130 x 180 x 410 mm	7,500 Kg	PRAC-TEC	1	3 381

	GKS-300	GKS-3000	GK-300
Capacity:	0,001-300 g	0,01-3000 g	0,01-300 g
Minimum/sample:	2 g	10 g	5 g
Gold, yellow:	9-24K +%	9-24K +%	9-24K +%
Gold, white:	9-24K +%	9-24K +%	-----
Platinum:	Pt 600-1000	Pt 600-1000	-----
Silver:	Ag 600-1000	Ag 600-1000	-----
Density:	0,001g/cm3	0,01g/cm3	0,01g/cm3



Precious Metal Tester

Easy and accurate



Model	Description	Weight	Brand	Pcs.	NOK
GKS-300	Precious Metal Tester AC110-240V – 260 x 190 x 200 mm	2,800 Kg	ALFA MIRAGE	1	14 392
GKS-3000	Precious Metal Tester AC110-240V – 260 x 240 x 240 mm	4,200 Kg	ALFA MIRAGE	1	17 272
GK-300	Precious Metal Tester AC110-240V – 220 x 170 x 200 mm	1,600 Kg	ALFA MIRAGE	1	10 552

Gold Testing Solutions Assortment

In wooden box, with the following testing fluids:

Each 333/8K - 585/14K - 750/18K - 875/21K

including touch stone 60 x 40 x 8 mm and care products



Model	Description	Weight	Brand	Pcs.	NOK
2889	Größe/Size 125 x 80 x 100 mit Holzkiste/with wooden box	0,800 Kg	PRAC-TEC	1	1 092
2892.6	Probierstein/Touch Stone Größe/Size 60 x 40 x 8	0,100 Kg	PRAC-TEC	1	229

Gold Testing Solutions Assortment

In wooden box, with the following testing fluids:

Each 333/8K - 585/14K - 750/18K - 875/21K - Platinum

including touch stone 60 x 40 x 8 mm and care products



Model	Description	Weight	Brand	Pcs.	NOK
2892	Größe/Size 125 x 80 x 100 mit Holzkiste/with wooden box	0,840 Kg	PRAC-TEC	1	1 160
2892.6	Probierstein/Touch Stone Größe/Size 60 x 40 x 8	0,100 Kg	PRAC-TEC	1	229

2)



1)



Rhodnette II

Pen Plating Rectifier, incl. 1 electrode pen, black With 1,2 g platinum contact, electrolyte jar Ø 42 mm with lid, incl. 1 cable with plug and workpiece clip, incl. 5 spare fibre tips (Ø 3,8 mm, length 22 mm)



Model	Description	Weight	Brand	Pcs.	NOK
5000	(1+2) Rhodnette Basic Unit II, excl. 1,2 gr. PT – 110/240 V	1,500 Kg	WIELAND	1	6 500
5001	(2) Electrode Pen with Pt.-Content / 140 x 70 x 35 mm	0,135 Kg	PRAC-TEC	1	919

PRAC-TEC Tips for Pen Plating (Rhodnette II)



Model	Description	Size	Brand	Pcs.	NOK
5005	Pack of 1000 pcs. Spare fibre tips, brown with double Tip	46 mm	PRAC-TEC	1000	1 380
5006	Pack of 1000 pcs. Spare fibre tips, white with double Tip, (Bullet Form and Fine Form)	25 mm	PRAC-TEC	1000	705
5007	Pack of 1000 pcs. Spare fibre tips, white single side Tip (only Bullet Form)	23 mm	PRAC-TEC	1000	705

Propane-Butane Torches

With Pipe and two interchangeable gas nozzles 14 and 20 mm



Model	Description	Weight	Brand	Pcs.	NOK
5302	L 250 mm	0,450 Kg	PRAC-TEC	1	1 346

Third Hand Soldering Station

fire and heat-resistant up to 1.200°C
223 x 192 mm



Model	Description	Weight	Brand	Pcs.	NOK
2970	Third hand soldering station	4,000 Kg		1	1 652
2970.1	Spare Third hand	0,000 Kg		1	on request
2970.2	Spare Third hand with arm	0,000 Kg		1	on request

Soldering Assistance "Third Hand"

with 360° magnetic hinge



Model	Description	Weight	Brand	Pcs.	NOK
2965.9	Soldering Assis. "Third Hand"	0,450 Kg		1	378
2965.1	Spare Soldering Tweezer, curved	0,160 Kg		1	42
2965.2	Spare Soldering Tweezer, straight	0,160 Kg		1	42

Soft Binding Wire for Soldering

annealed blue, thickness: Ø 0.70 mm



Model	Description	Weight	Brand	Pcs.	NOK
5357.04-1.2	spool appr. 250 g, Ø 0.4 up to 1.2 mm	0,250 Kg		1	94

Natural Charcoal Block

for Soldering 140 x 70 x 30 mm



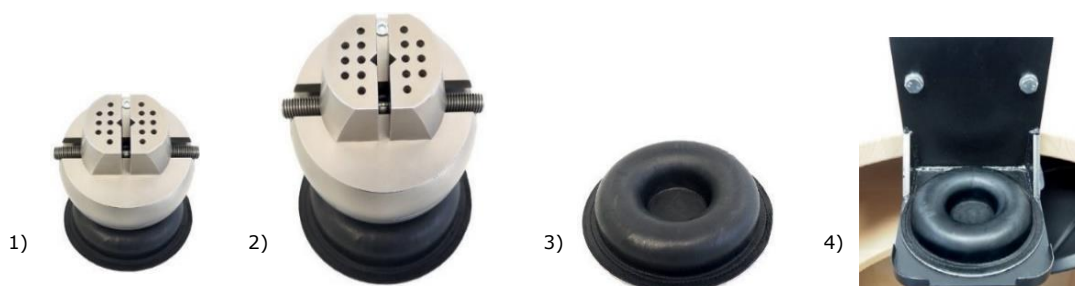
Model	Description	Weight	Brand	Pcs.	NOK
5350	140 x 70 x 35 mm	0,135 Kg		1	269

Cool Paste

Heat Stop for soldering 150g



Model	Description	Weight	Brand	Pcs.	NOK
1324	Diewersol heat stop	0,150 Kg		1	129



Engraving Ball incl. Set of Accessories

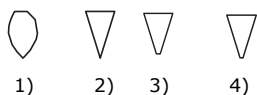
Solid and precise stainless steel setters vice is designed for stone setting, work holding and engraving. Strong rubber base supports vice device which allows smooth and convenient work flow with small objects that are locked in a small self-centering jaw support.

Model	Description	Weight	Brand	Pcs.	NOK
5008	(1) 2,5 Kg kleine Gravierkugel/Engraving Block Ø 80 mm	2,500 Kg	PRAC-TEC	1	5 060
5009	(2) 10 Kg große Gravierkugel/Engraving Ball Ø 125 mm	10,000 Kg	PRAC-TEC	1	5 770
5013	(3) Gravierkissen/Engraving Pad Ø 125 mm für/ for 5008 / 5009	1,500 Kg	PRAC-TEC	1	1 115
5013.1	(4) Haltesystem für Gravierkugel/Holding System for Engraving Ball	2,500 Kg	PRAC-TEC	1	1 734

Hand Gravers

HSS Steel

Original PRAC-TEC®



Model	Description	Weight	Brand	Pcs.	NOK
2808.0-2808.5/0	Shape 1: Ongette/ Ongette USA Size: 5/0 4/0 3/0 2/0 1/0 1 2 3 4 5 6 7 8	0,010 Kg	PRAC-TEC	1	99
2809.0-2809.5/0	Shape 2: Messer/ Knife USA Size: 0 1 2 3 4 5 6 7	0,010 Kg	PRAC-TEC	1	
2813.0-2813.5/0	Shape 3: Flach/ Flat USA: 36 37 38 39 40 41 42 43 44 45 46 47 48 49	0,010 Kg	PRAC-TEC	1	
2814.0-2814.5/0	Shape 4: Rund/ Round USA: 50 51 52 53 54 55 56 57 58 59 60 61 62	0,010 Kg	PRAC-TEC	1	

swisotech®

Tweezers

Standard



Model	Description	Lenght	Weight	Brand	Pcs.	NOK
2068.XF	SWISOTECH Tweezers, stainl. steel, extra fine tips, serrated	160 mm		SWISOTECH	1	453
2068.F	SWISOTECH Tweezers, stainl. steel, fine tips, serrated	160 mm		SWISOTECH	1	
2068.M	SWISOTECH Tweezers, stainl. steel, medium tips, serrated	160 mm		SWISOTECH	1	
2068.L	SWISOTECH Tweezers, stainl. steel, large tips, serrated	160 mm		SWISOTECH	1	

With groove



Model	Description	Lenght	Weight	Brand	Pcs.	NOK
2069.M	SWISOTECH Tweezers, stainl. steel, medium tips, with groove ,	160 mm		SWISOTECH	1	457
2069.L	SWISOTECH Tweezers, stainl. steel, large tips, with groove , ser	160 mm		SWISOTECH	1	

With locking system



Model	Description	Lenght	Weight	Brand	Pcs.	NOK
2070.F	SWISOTECH Tweezers, stainl. steel, with locking system , fine tips	160 mm		SWISOTECH	1	499
2070.M	SWISOTECH Tweezers, stainl. steel, with locking system , medium tips	160 mm		SWISOTECH	1	
2070.L	SWISOTECH Tweezers, stainl. steel, with locking system , large tips	160 mm		SWISOTECH	1	

With locking system & groove



Model	Description	Lenght	Weight	Brand	Pcs.	NOK
2071.M	SWISOTECH Tweezers, stainl. steel, with locking system , medium tips	160 mm		SWISOTECH	1	504
2071.L	SWISOTECH Tweezers, stainl. steel, with locking system , large tips	160 mm		SWISOTECH	1	

Titanium



Model	Description	Lenght	Weight	Brand	Pcs.	NOK
2074.FT	SWISOTECH Tweezers, Titanium , fine tips, with satin finished tips	160 mm		SWISOTECH	1	694
2074.MT	SWISOTECH Tweezers, Titanium , medium tips, with satin finished tips	160 mm		SWISOTECH	1	



Exclusive by ERNST & FRIENDS

4 in 1 Tester:

- Diamanten / Diamonds
- ForEver Moissanite / ForEver Moissanite
- Moissanite / Moissanite
- Verschiedene Simulanten /Various Simulants



SmartPro® - Reader I PLUS - Diamond & Moissanite Tester

The well reputed SmartPro Multi Reader differentiates between diamonds, moissanite, forever diamonds and various simulants within seconds. For diamonds from 1.00 mm (0.01 ct), simple and fast use, protective case included.

Model	Description	Size mm	Weight	Pcs.	NOK
2850	Smart Pro Reader I, Diamond & Moissanite Tester	166 x 26 x 31	0,260 Kg	1	2 680



Exclusive by ERNST & FRIENDS

- Von 0,01ct bis 12ct / From 0.01ct up to 12ct
- Für lose und gefasste Steine / For loose and mounted stones
- Mit Bluetooth-Funktion / With Bluetooth Function
- Verbinden mit der Smart Pro App möglich / Smartpro App available



SmartPro® Screen I - CVD Tester

A smart and fast diamond tester that can differentiate natural earth-mined colorless diamonds (D-J, type Ia, Ib) from lab created or synthetic CVDs/HPHTs (type IIa, IIb).

Model	Description	Size mm	Weight	Pcs.	NOK
2853	Smart Pro Screen I, CVD Tester	125 x 76 x 66	0,420 Kg	1	5 875
2853.C	Test I No. 2850 + Test II No. 2853 = COMBI TEST PACK (Reader and Screen)		0,680 Kg	1	7 405



Exclusive by ERNST & FRIENDS

- Able to test mounted jewelry and loose stones, also bulk
- Identifies diamonds, CVD, HPHT
- Cubic Zirkonia (CZ) and synthetic moissanite are also identified
- Automated test results
- Integrated counting function for loose stones
- Incl. certification function



SmartPro® AURA - Synthetic Diamond Scanner

The first Synthetic Diamond Scanner that can screen automatically mounted jewelry, but can also be used to test loose stones with

Model	Description	Size mm	Weight	Pcs.	NOK
2856	Smart Pro - AURA	230 x 230 x 302	6,000 Kg	1	73 912



- High efficiency gem tester, that identifies metals, simulant and precious stones instantly
- Thin probe tip (0.48mm) for testing stones as small as 0.01ct
- LED and sound indicator
- Easy-to-read analog panel display
- No waiting time between tests

SmartPro® Gem Eye I – Gem Stone Testing Instrument

Diamond and Simulant tester with „colored stone estimator display“ to help users to distinguish popular colored gemstones from each other.



Model	Description	Size mm	Weight	Pcs.	NOK
2852	Smart Pro Gem Eye I, GEM Stone Tester	78 x 99 x 130	0,295 Kg	1	2 680



- First 3 in 1 tester: Identifies natural diamonds, synthetic moissanites and synthetic diamonds (CVD, HPHT) via UV LED technology.
- Suitable for colorless and toned stones (D-M), 0.015 ct to 10ct, for almost all shapes and cuts
- 3 in 1 Tester: Natural Diamonds, Moissanite, Synthetic Diamonds (CVD and HPHT)
- 2,4" touch LCD display
- For loose or mounted stones
- User friendly for right and left handers

SmartPro® Optimum I – 3 in 1 Multitester

First 3 in 1 tester: Identifies natural diamonds, synthetic moissanites and synthetic diamonds



Model	Description	Size mm	Weight	Pcs.	NOK
2855	Smart Pro - OPTIMUM I (3 in 1 Innovation)		0,760 Kg	1	11 212
2855.C	Test I No. 2850 + Test II No. 2855 = COMBI TEST PACK (Reader and Optimum I)		1,040 Kg	1	12 652



AIR DO X With 35.000 rpm micromotor, foot pedal and hand piece!

- Space-saving with integrated 40 bar compressor
- Light and compact
- Extremely powerful and yet whisper quiet

Der neue SmartPro® - AIR DO S und X

SmartPro Air Do: Pneumatic Engraver for Setting, Engraving, (version X also for Drilling and Polishing), built-in compressor, foot pedal,

Model	Description	Size mm	Weight	Pcs.	NOK
3340	Smartpro Air Do S without micro motor	240x 130 x 185	5,000 Kg	1	9 955
3341	SmartPro Air Do X incl. micro motor	240x 130 x 185	5,000 Kg	1	11 755



All in One – easy and handy:

- First-ever combined Thermal & UV Technology
- Easy, simple and quick testing
- One single test to identify precious stones, enhanced accuracy and consistency
- Multilingual (11 languages)
- Tests both loose and mounted stones (Open or closed back)
- Identifies Earth-Mined Diamonds from Lab Grown
- Identifies Cubic Zirconia (CZ) / Glass and Estimate Diamond Simula.
- Testing Range: All fancy cuts & sizes from 0.015 to 10 ct.
- Color Range: For colorless stones D to M
- 2.2" TFT Touch Display
- Powered by 1300 mAh inbuilt battery, can be use with power adapt



The Smartest Diamond Multi-Tester

Unique innovation: The new SmartPro MAX identifies diamonds, synthetic diamonds, moissanites and simulants incl. cubic zirconia with just one measuring tip within seconds.

Model	Description	Size mm	Weight	Pcs.	NOK
2857	Smart Pro MAX (All in one)	160x50x30	0,150 Kg	1	14 092



KERN EWJ

High-quality precision balance with automatic internal adjustment

Model	Weighting Capacity [Max] g	Readability [d] g	Calibration [e] g	Minimum Load [Min] g	Linearity	Option Calibration KERN	Pcs.	NOK
EWJ 300-3	300	0,001	-	-	± 0,005		1	7 900
EWJ 300-3H	300	0,001	-	-	± 0,005		1	8 140
EWJ 3000-2	3000	0,01	-	-	± 0,05		1	7 300
EWJ 600-2SM	600	0,01	0,1	0,5	± 0,03	965-216	1	6 700
EWJ 600-2M	600	0,01	0,1	0,5	± 0,03	965-216	1	6 820
EWJ 6000-1SM	6000	0,1	1	5	± 5	965-217	1	6 460
EWJ 6000-1M	6000	0,1	1	5	± 5	965-217	1	6 580



KERN ADB • ADJ

The price breaker in analytical balances

Model	Weighting Capacity [Max] g	Readability [d] g	Reproducibility mg	Linearity	Option Calibration KERN	Pcs.	NOK
ADB 100-4	120	0,1	0,2	± 0,4	963-101	1	9 940
ADB 200-4	210	0,1	0,2	± 0,4	963-101	1	10 900
ADB 600-C3	120 g 600ct	0,1 mg 0,001ct	0,2 mg 0,002ct	± 0,4 mg 0,004 c	963-101	1	9 820
ADJ 100-4	120	0,01	0,2	± 0,4	963-101	1	11 620
ADJ 200-4	210	0,01	0,2	± 0,4	963-101	1	12 580
ADJ 600-C3	120 g 600ct	0,1 mg 0,001ct	0,2 mg 0,002ct	± 0,4 mg 0,004 ct	963-101	1	11 500



KERN PNJ

The new standard in the laboratory with robust tuning fork measuring system

Model	Weighting Capacity [Max] g	Readability [d] g	Calibration [e] g	Size Weighing Plate mm	Option Calibration KERN	Pcs.	NOK
PNJ 600-3M	620	0,001	0,01	Ø140	965-216	1	12 100
PNJ 3000-2M	3200	0,01	0,1	190x190	965-216	1	11 380
PNJ 12000-1M	12000	0,1	1	190x190	965-217	1	11 140



KERN EMB-V

Precision balance with integrated density determination function

Model	Weighting Capacity [Max] g	Readability [d] g	Size Weighing Plate mm	Option Calibration KERN	Pcs.	NOK
EMB 200-3V	200	0,001	Ø82	963-127	1	4 000
YDB-01	Set zur Dichtebestimmung				1	3 940



KERN ABJ-NM

The bestseller in analytical balances, also with EC type approval [M]

Model	Weighting Capacity [Max] g	Readability [d] g	Calibration [e] g	Size Weighing Plate mm	Option Calibration KERN	Pcs.	NOK
ABJ- 120-4NM	-	-	1	91	965-201	1	17 500
ABJ 220-4NM	-	-	1	91	965-201	1	18 700

Overload protection

Powered by 2 x AA batteries

Anti-electromagnetic interference

LCD Backl. Displ. 20 x 42 mm

Modes: g, oz, ozt, dwt, ct, gn

Temperature control

with special transport case

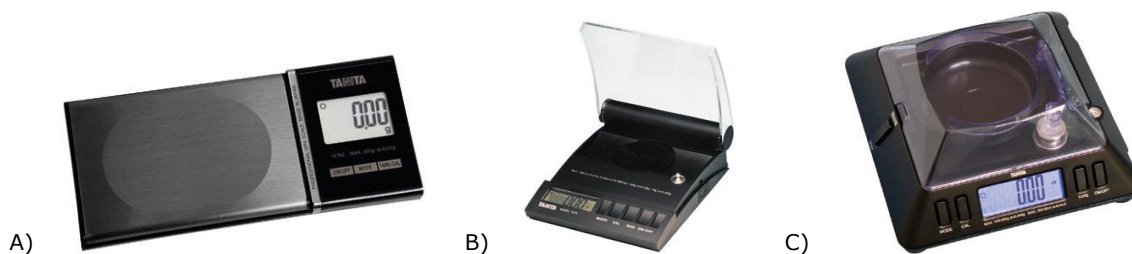
Auto-Off Feature, 60-180sec



Pocket Gold & Silver Scales

World wide prac-tec exclusive Distributor

Model	Weighting Capacity [Max] g	Readability [d] g	TARA and Calibration mode	Weighing Plattform	Display	Pcs.	NOK
G202 (A)	200 g / 250 g	0,01 g / 01g	weight included	100 x 65 mm	LCD Backl. Displ. 35 x 17 mm	1	903
G102 (B)	200 g	0,01 g	weight included	75 x 60 mm	LCD Backl. Displ. 20 x 42 mm	1	634



Model	Weighting Capacity [Max] g	Readability [d] g	Display	Weight	Brand	Pcs.	NOK
T 1479V A)	120 g	0,1 g	Gold Scales		TANITA	1	940
T 1479J2 A)	200 g	0,01 g	Gold Scales		TANITA	1	1 210
T 1479Z A)	200 g	0,1 g	Gold Scales		TANITA	1	976
T 1230 B)	100 g	0,01 g	Gold Scales		TANITA	1	2 110
T 1210N B)	100 g	0,01 g	Gold Scales		TANITA	1	2 200
T KP601-S C)	600 g	0,01 g	Gold Scales	single Display	TANITA	1	N/N
T KP601 C)	600 g	0,01 g	Gold Scales	single Display	TANITA	1	3 001

Weighing Equipment



Model	Description	Weight	Brand	Pcs.	NOK
2006.1	(A) PRAC-TEC Stone Cup, black plastic 45 x 45 x H 12 mm		PRAC-TEC	1	52
2006	(B) PRAC-TEC Stone Chovel, nickel plated 55 x 40 mm		PRAC-TEC	1	106
SYWP06G	(C) SARTORIUS Gem Cup, 2 handles and pout, Aluminium, H = 23 mm, Ø (inner/lenght) = 83 mm, Ø (inner/across) = 66 mm		SARTORIUS	1	190

KERN OZG-4

The flexible product for the jeweller and the jewellery industry



Model	Tube	Ocular	Field of View mm	Lens Zoom	Brand	Pcs.	NOK
OZG 493	Binocular	WF 10× Ø 20 mm	28-5,6	0,7×-3,6×		1	8 020

KERN ORA-G

Area of application: Gemmology/precious stones



Model	Scales	Measuring Range	Division	Pcs.	NOK
ORA 1GG	Brechungsindex	1,30-1,891 nD	0,01 nD	1	3 700

SAUTER TN-GOLD

Ultrasound measuring instrument for testing the authenticity of gold



Model	Measuring Range Plus-Echo mm	Readability [d] mm	Measuring Range Ø mm	Measuring Frequency MHz	Pcs.	NOK
TN GOLD 80	0,75-80	0,01	6	7	1	9 940

Sartorius Gold Scales



Model	Readability	Capacity	Legal for trade	Pcs.	NOK
GL8201i-2CEU	0,1 g	8200 g	Yes	1	13 372
GL5202i-2CEU	0,01 g	5200 g	Yes	1	14 140
GL4202i-2CEU	0,01 g	4200 g	Yes	1	12 796
GL4202-2S	0,01 g	4200 g	No	1	11 452
GL2202i-2CEU	0,01 g	2200 g	Yes	1	12 364
GL822i-2CEU	0,01 g	820 g	Yes	1	11 932
GL523-2S	0,01 g	520 g	No	1	13 276
GL323i-2CEU	0,001 g	320 g	Yes	1	13 756

Sartorius Carat Scales



Model	Readability	Capacity	Legal for trade	Pcs.	NOK
GCL603i-2CEU	0,001 ct	600 ct	Yes	1	15 100
GCL603i-2S	0,001 ct	600 ct	No	1	11 356
GCL1103i-2CEU	0,001 ct	1100 ct	Yes	1	15 484