

Manufacturing prestige tools









Drilling - Grinding - Polishing

Stone Setters - Engraving - Carving - Cutting - Hammering

Duburring - Slicing - Filling













Research & Development - Technology - Performance - Quality

A whole new dimension for jewellers and the watchmaking industry



M3 - ASF

Professional Performance

200W 20'000 tr/min 18.3 cNm



The M3ASF is a large metal model with a good grip and robustness.

Its weight calculated on the gravity of the grip of the anodized aluminum handpiece accentuates its reliability and precision.

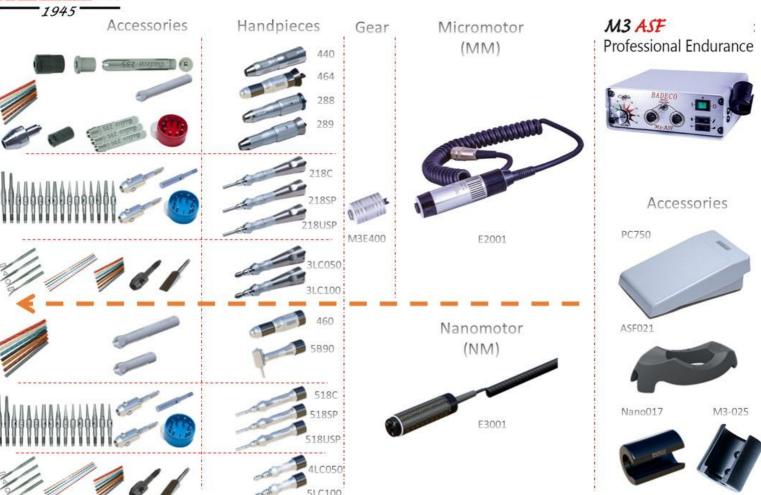
A side support will allow you to place the micromotor or to fix it to the workbench for example.

It is a very beautiful model of a high quality in its finish.

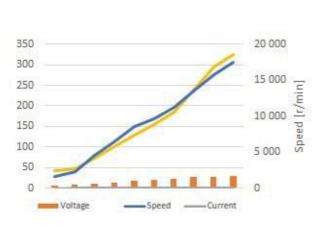
The finishing details further enhance its ergonomics for the most demanding jobs.

It develops a power of 200W, and allows to connect up to 2 micromotors on the box or 5 micromotors on the exported control Select-5.





The legendary - The king of the micromotor since 1975!









Strong: 205g-200W-18.3 cNm-max20.000 rpm-for 2 Micromotor connects **Light:** 105g - 90W - 15.5 cNm - max 20.000 rpm - for 2 micromotor connects

Professional endurance

Drilling, milling, grinding, polishing, hammering, setting stones, engraving, micro files; With overheating protection; With 2 motor outputs for the alternative use of 2 micromotors; Choice of manual control or use of the pedal; Strong or Light 1,500 to 20,000 rpm; With a multifunctional pedal (ON / OFF and variator); 1 bracket mounted on the housing (second optional)

Accessories for the M3ASF







CHF 550.-

440 / 464 Automatic Quick exchange Rotary 2.35mm



288

Exchangeable universal collet 2.35mm with key

289 Strong Exchangeable universal collet Reduction gear ¼ included With key

CHF 570.-



From







CHF 145.-

Contents of the kit Strong:

M3 control unit - 1 x Motor E2001 - 1 x Quick exchange HP440 or 464 - 1 x Pedal Combi PC750 - 1 x ASF021 motor support



HP 440





Accessories from the NANO range

E3001 Nanomotor for M3ASF



518C-518SP-518USP HP - Riveting and Setting C= Medium / SP = Fine



CHF 350.-

5LC050 / 5LC100 HP - Polishing/Filing



CHF 330.-

460 HP - Quick exchange

CHF 325.-



HP 90° angled

5B90

CHF 650.-

Contents of the kit Nano Light:

M3 control unit - 1 x Motor E3001 - 1 x Quick exchange HP460 - 1 x Pedal Combi PC750 - 1 x ASF021 motor support





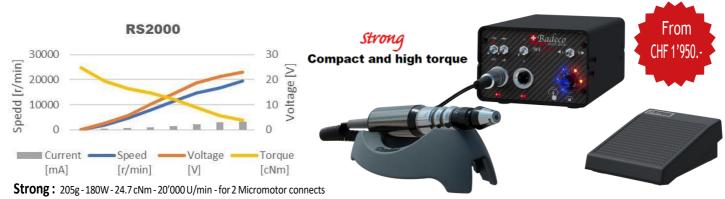






M4 - ASF2

Professional Performance



Light: 105g - 90W - 15.5 cNm - RS3000SP - 12′500 / RS3000V - 30′000 U/min - for 2 Micromotor connects

Professional endurance

Proven reliability in jewelry and watchmaking for 77 years; Drilling, milling, grinding, polishing, polishing, hammering, setting stones, engraving, micro-filing; available with 2 motor outputs for the alternative use of 2 micromotors; Choice of manual control or use of the pedal; Automatic memorization of engine speed in pedal mode and manual mode!; **Strong** 2,000 to 20,000 rpm; **Light** from 1,500 to 12,500rpm (for SP) or 30,000 rpm (for V); With a multifunction pedal (ON/OFF and variator); 1 support mounted on the housing (second option)



M4 Control unit - 1 x Nanomotor RS3000V - 1 x Quick exchange HP460 - 1 x Pedal Combi PC800 - 1 x Holder for micromotor ASF021





Small, compact AND POWERFUL! - The Starter and Compatible for all motors

The MX-1 is UNIQUE, small, light, handy, powerful, reliable, compact, practical and precise for a very reasonable and very advantageous budget and all in BADECO quality! Choice of manual control or use with foot pedal; Automatic storage of engine speed in pedal mode and in manual mode!

Strong 2,000 to 20,000 rpm; Light from 1,500 to 12,500rpm (for SP) or 30,000 rpm (for V); With a multifunction pedal (ON/OFF and variator); - Compatible between Strong and Nano.



Contents of the kit Strong:

MX-1 control unit - 1 x Micromotor RS2000 - 1 x Quick exchange HP450 or HP465 - 1 x Pedal Combi PC800 - 1 x ASF021 motor support

Compact and high torque

Contents of the kit Nano Light:

MX-1 control unit - 1 x Nanomotor RS3000 V or SP - 1 x Quick exchange HP460 - 1 x Pedal Combi PC800 - 1 x ASF021 motor support

www.badeco.com



Professional Endurance AND SMART!

Drilling, milling, grinding, polishing, hammering, setting stones, engraving, micro-filing; 4 motor outputs: The motor is automatically selected via the optical sensors attached to the motor holders; The speeds of the 4 motors are automatically saved in the 2 operating modes (pedal / manual).

The Badeco MX-4 *Touch* Evolution **Dual Voltage 115/230V** micromotor has been designed for use in the jewelry and watchmaking industries of Switzerland, the number one producer of super-premium jewelry and watches for the world. What separates this micromotor apart from all others is the quality, precision and reliability of the power box, motor and of course, the handpiece, and the single most important part of a micromotor. The Badeco Carbon Series Micromotor is a remarkable piece of Swiss engineering, giving you unstoppable torque at the lowest speed, the kind of low-end power that jewelers need for drilling and stone setting.

The Badeco MX-4 **Touch** Evolution control box with handpiece holders activates the single handpiece that you remove from the individual holders. If more than 1 handpiece is removed from the holders the power is stopped. If you wish to operate with empty holders simply block off the photo cell in the unused holder with black tape.





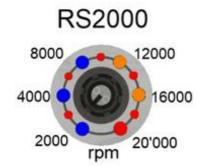
Strong and Nano Light Win with COMBI

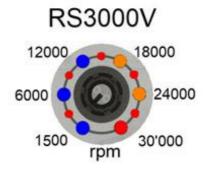




SAVE 2 SPEEDS BY MOTOR!

1 to 4 motors are automatically saved in the 2 operating modes







Contents of the kit Strong

MX-4 Touch Evolution control unit - 1x Micromotor RS2000 - 1x Quick exchange HP450 or HP465 - 1x Pedal Combi PC800 - 1x ASF021 motor support

Contents of the kit Nano Light:

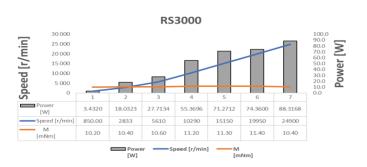
MX-4 Touch Evolution - 1x Nanomotor RS3000 V or SP - 1x Quick exchange HP460 - 1x Pedal Combi PC800 - 1x ASF021 motor support

Configuration example for kit COMBI:



MX-4 EVOLUTION

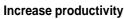
Increase productivity - for 4 motors



Strong: 205g-180W-24.7 cNm-20'000 U/min-for 4 Micromotor connects

Light: 105g-90W-15.5 cNm-RS3000SP-12'500 / RS3000V-30'000 U/min – for 4 Nanomotor connects





The MX-4 EVOLUTION is small, light, very powerful, reliable, compact, practical and precise at a very reasonable and advantageous price.; With 4 motor outputs for the alternative use of up to 4 micromotors; The selection is made using a selector switch; Choice of manual control or use of the pedal; Automatic storage of engine speed (1) in pedal mode and in manual mode!; Strong 2,000 to 20,000 rpm; Light from 1,500 to 12,500rpm (for SP) or 30,000 rpm (for V); With a multifunction pedal (ON/OFF and variator); — Compatible between Strong and Nano.

M1 Portable Mobility and freedom



This new product from BADECO is a fully functioning portable nanomotor. The high-speed brush type motor is in the handpiece and the control unit includes a rechargeable battery unit using the latest lithium-ion technology. With the mains charger plugged in you can use it all day long in the workshop or run it on battery power for up to 5 hours, depending on how long the nanomotor is in continuous use when in battery mode. Battery charge time is 3 hours. Using a lithium-ion battery means there is no "memory effect" and even when not used without being charged, the loss of charge is very low, so it's always ready to use, wherever you are. It's great for working in places where there is no electrical supply or when you need to be mobile - such as at a craft demonstration or for last minute polishing at a trade show.

- o Control unit with built-in rechargeable Li-ion battery features a digital RPM display at the top that makes it easy to monitor speed as you work.
- $\circ\,$ The dial on the front adjusts speed from 0 30,000 RPM.
- \circ On/off switch with foot pedal PC250 and reversible drive direction.
- O Adaptable nanomotor with other connection. (micro-filing)
- Handpiece (motor) is very small and lightweight but has plenty of power for fine detailing, polishing and even grinding on metal, wood, glass and many other materials. Its
 fan cooled, brush type continuous duty motor runs cool and vibration-free. It has permanently lubricated, shielded ball bearings that require no additional lubrication.

 Ø17, 110mm, 100gr.
- The handpiece has a twist release rotary type collet for easy changes of 2.35mm (3/32) or 1/8 shank burs, depending on choice of collet installed.
- o Two Year Limited Warranty One Year for Lithium Battery.

<u>Handpiece (Motor) Specifications</u>: ~110mm Long (Nanomotor with HP), 100gr, Ø12mm (Diameter at grip), Ø17mm (Diameter at nanomotor), Cord Length: 140mm, Output DC12V/2.1A, Torque 8.5cNm, Electric power 25W.

Rechargeable Lithium Ion Battery Specifications: 14.8v 1800mAh - Charging Time: 3 hours, Working Time: 5 hours

Charger/Adapter Specifications: Input: ~100 ~240 Volt, 50/60Hz, Output: DC18V/1.8A

Optional Extras: Nano-Filer 5LC100 - 5LC050; Nano-hammer 518USP

Contents of the kit:

M1 Portable control unit - 1x Micromotor P3000 - 1x Quick exchange HP460 - 1x Pedal Combi PC250 - 1x ASF021 motor support





HANDPIECE AND ACCESSORIES FOR YOUR HANGING MOTOR

P463 <mark>Carbon</mark>



ACCESSORIES FOR MALLET - Original silver steel hardened tips

240.000 CHF 18	Unhardened Tip Ø 4.00 mm	I .	248.100* CHF 31	Tip Rectangle Smooth Ø0.50 x 1.00 mm		250.250 CHF 45	Tip High speed steel Round Ø 2.50 mm	I .
240.050* CHF 31	Tip Round Smooth Ø 0.50 mm		248.150 CHF 31	Tip Rectangle Smooth 0.80 x 1.50 mm		260.250 CHF 45	Tip Super carbide Round Ø 2.50 mm	I .
240.100* CHF 31	Tip Round Smooth Ø 1.00 mm		248.200 CHF 31	Tip Rectangle Smooth 1.00 x 2.0 0 mm		254.250 CHF 45	Tip High speed steel Ø 2.50 mm x 45°	1 1
240.210* CHF 31	Tip Round Smooth Ø 2.10 mm		248.250* CHF 31	Tip Rectangle Smooth 1.20 x 2.50 mm		264.250 CHF 45	Tip Super carbide Angle 45 Ø 2.50 mm x 45°	1 1
240.250 CHF 31	Tip Round Smooth Ø 2.50 mm		249.250 CHF 31	Tip Rectangle Grooved 1.20 x 2.50 mm		260.240 CHF 45	Universal hammer graver tool Ø 2.40 mm	0
241.210 CHF 31	Tip Round Grooved Ø 2.10 mm	•	246.210* CHF 31	Tip Oval Grooved 2.10 x 1.20 mm	-	260.320 CHF 45	Universal hammer graver tool Ø 3.20 mm	0
242.080 CHF 31	Tip Round Concave Ø 0.80 mm		244.100* CHF 31	Tip Square Smooth 1.00 x 1.00 mm				
242.100*	Tip Round Concave Ø 1.00 mm		244.160*	Tip Square Smooth 1.60 x 1.60 mm		230.000	Box of 9 diff. hardened Tips* 240.050 + 240.100 + 240.210	
CHF 31			CHF 31			CHF 239	244.100 + 244.160 + 246.210 248.100 + 248.150 + 248.250	

ACCESSORIES FOR HANDPIECES - Original concentric hardened collet

Chuck for MdMi 275-295-288-289-288			
CHF 32	Ø0.55 mm	Badeco	055012
CHF 32	Ø0.80 mm	Badeco	055021
CHF 32	Ø1.05 mm	Badeco	055030
CHF 32	Ø1.55 mm	Badeco	055039
CHF 32	Ø1.65 mm	Badeco	570684
CHF 32	Ø2.05 mm	Badeco	055048
CHF 32	Ø2.35 mm	Badeco	054373
CHF 32	Ø2.55 mm	Badeco	055057
CHF 32	Ø3.05 mm	Badeco	055066
CHF 32	Ø3.20 mm	Badeco	054075

Accessories for MdMi 275-295-288-289-288			
CHF 28	Md274 Nut of clamp	0.0	054367
CHF 95	C200 Quick changing chucks Ø 0 to 4,5mm	9	560055
CHF 196	290.000 Set of 9 collets 0.55 - 0.80 - 1.05 1.55 - 2.05 - 2.35 2.55 - 3.05 - 3.20		560004

Chuck for HP46 460-463-464-465-467			
50	Ø1.60mm	Badeco	614911
50	Ø2.35mm	Badeco	614910
50	Ø3.00mm	Badeco	614908

Chuck for 440 - 450 - 430 - 437				
55	400SSC Quick exchange kit Ø2.35m		054516	
55	400SSC Quick exchange kit Ø3.05m		614770	
32	Ø2.35mm	Badeco 235	054517	
32	Ø3.05mm	Badeco 235	614767	

ACCESSORIES FOR MICRO-FILES

100.300	Universal tool holder for Micro-Fill	CHF 39	
Cerami	c and diamond Stick (Thick x Wide x Length (mm) - Grit (G))		* price per grit & size
CB-0.5	Ceramic stick 0.5x2x150 (G400: 600; 800; 1000; 1200)* (ex CB-0.5 -G400)	CHF 14.50	3
CB-1	Ceramic stick 1x2x150 (G400: 600; 800; 1000; 1200) * (ex CB-1-G400)	CHF 14.50	The same of the sa
CB-4	Ceramic stick 1x4x100 (G120; 220; 300; 400: 600; 800; 1000; 1200)* (ex CB-4 -G120)	CHF 13.60	
DB-4	Diamond stick 1x4x100 (G200; 400; 800)* (ex DB-4 -G200)	CHF 39.30	
Ceramic and diamond round (Thick x Wide x Length (mm) - Grit (G))			*price per grit & size
CR Ø 2.35	Ceramic round Ø 2,35 x 50 (G220; 300; 400: 600; 800; 1000; 1200)* (ex CR-4 -G220)	CHF 15.80	1
DR Ø 3.00	Diamond round Ø 3.00 x 50 (G400)* (ex DR-4 -G400)	CHF 55	

SHARPENING SYSTEM $_{(PATENTS-BADECO)}$

SPEEDY SHARP

Manual sharpener



OPTISHARPMotorized



Patents: CH701550-EP2454051B1-US9.126.302-CH704549B1

COMBISHARP

Motorized + micromotor connect





from CHF 5'680.-

SPB-845 Combined polishing bench

This polishing machine is a product which has superior technical features and superior differences in many points compared to other devices. It is state-of-the-art touch screen, ergonomic design and easier use, make the device stand out. You can give your own details to the parts by polishing, brushing, dulling and sanding. Resalable cap and removable Plexiglas cover provide to user a safe working area. The reinforced vacuum motor ensures high suction.

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- Torque pressure indication
- o Double Safety foot pedal
- o Plexiglas protection with Safety switch
- High HD LED Lighting
- o Danfoss Strong Vacuum High Pressure Pumps with 2 filters
- Schneider Emergency stop
- Siemens High quality with Touch screen memory





High Quality and Smart Touch Screen with Siemens

SPB-84S-2 **SPB-84S-1** Techn. specifications Power supply 230/50Hz 230/50Hz Engine performance > 650 W > 650 W Speed (rpm) 100 to 3'000 rpm- (Precision +/-10 rpm) 100 to 3'000 rpm- (Precision +/-10 rpm) Vacuum 750 m3/h 2 x 750 m3/h, for each side Lighting 4 x 9 LED's 1.600 Lumen 4 x 9 LED's 1.600 Lumen for each side Brush diameter 160 mm max 160 mm max Unit dimensions 460mm x 370mm x 460mm 680mm x 390mm x 460mm Net weight 30 Kg 45 Kg

SPB-84S1	from CHF 3'980	ex works, without VAT
SPB-84S2	from CHF 5'680	ex works, without VAT



LED

It is high time for high quality light!



Lighting for the watch industry

It is precisely for high-precision work, such as in the manufacture of watches, that one needs a lighting at the same time of very high intensity and without formation of shades to allow a work of great concentration and without fatigue. Very often the luminaries used do not allow it but on the contrary produce very large areas of shadows. These zones cause a permanent change in the positioning of the luminaire. The optics of the LUX-x fixture put an end to this problem by not creating perceptible shadow structures (Microstructure - Diffuser).



Small lamp - high efficiency Luminaires with diffuser optics

The diffuser optic is particularly suitable for activities requiring the maximum light emission without recognizable structures (for example, the watch industry)



No noticeable shadows

Due to the redirection of the light beams through more than 100,000 microlenses, high luminance levels in the prism are prevented and a homogeneous light distribution is achieved. The effect of shadow formation in the work area is reduced to a minimum, even if the light exit opening is partially covered.

This means that multiple shadows, which are not popular with LED lighting solutions, cannot occur.

Integrated light control in the luminaire - functions:

Switching the lamp on / off; Adjusting the brightness; Setting the color temperature; Saving / calling up max. three light settings; Optical display of the selected light setting; Locking of the setting options brightness, color temperature, memory

The storage locations are programmed with the following values on delivery:

Storage location 1: cold white (approx.6,500K), maximum brightness Storage location 2: warm white (approx.3,000K), maximum brightness Storage location 3: mixed white (approx.4,500K), maximum brightness



Mounting possibilities for articulated arm

The articulated arm has been specially designed for table / bench work. The vice mounts directly on the table. The modes of attachment are multiple according to the types of work to be done.



(Clamp, central fixing to screw, fixing for existing hole). The articulated arm allows exact positioning of the devices.

LED LUX-x3 Contents of the kit : 300 x 190 x 15

Lamp with diffuser, Articulated arm, 1x power supply 25W with Euro plug, Universal Clamp



LED Bino-90 Contents of the kit: 300 x 120 x 15

Lamp with diffuser, Articulated arm, 1x power supply 25W with Euro plug, Universal Clamp



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Since its beginnings in 1945, BADECO has offered its customers Excellence: nothing more! Sustainability and protect our planet from overconsumption and waste

