

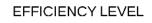
### Manufacturing prestige tools in Geneva Since 1945

Drilling - Grinding - Polishing Stone Setters - Engraving - Carving - Cutting - Hammering Deburring - Slicing - Filling



Research & Development - Technology - Performance - Quality

A whole new dimension for jewellers and the watchmaking industry











# The legendary - STURDY

# 32V 200W 26.5cNm 20'000rpm





Light: Ø 17mm - 105g - 90W - 15.5 cNm − max 20.000 rpm − for 2 micromotors

**Strong:** Ø 26mm - 205g - 200W - 26.5 cNm – max 20.000 rpm - for 2 Micromotors Contents of the kit: M3ASF Strong + E2501 + HP464 + PC750

**COMBI "Jewelry":** Ø 26mm - 205g - 200W - 26.5 cNm – max 20.000 rpm Contents of the kit: M3ASF Strong + E2501 + HP464+PC750 & Ø 17mm - 105g - 90W - 15.5 cNm – max 20.000 rpm

Contents of the kit: M3ASF Light + E3001 + HP460 + PC750

**&** Light + E3001 + Hammer 518C + PC750



## The king of the micromotor since 1975!

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.

#### **Product Features**

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** (E2501) or **Light** (E3001) with 1,500 to 20,000 rpm; With a multifunctional pedal (ON / OFF and variator); 1 bracket mounted on the housing (second optional)





\*\*\* Price for a full set: 1x control unit + 1x micromotor Strong or Nano + 1x handpiece Strong or Nano + Foot Pedal PC800 + Lateral bracket + bench holder for Motor

### Choice of a STRONG micromotor with the associated handpiece





# M4 - ASF2

Professional Performance - STURDY

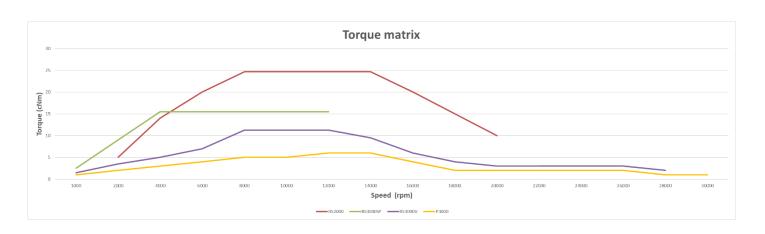
24V 180W 24.7cNm 30'000rpm



# The master of the micromotor since 2010

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)







\*\*\* Price for a full set: 1x control unit + 1x micromotor Strong or Nano + 1x handpiece Strong or Nano + Foot Pedal PC800 + Lateral bracket + bench holder for Motor

## Choice of a STRONG micromotor with the associated handpiece





# MX-1 CARBON

Small, compact AND POWERFUL! - SMART

# 24V 180W 24.7cNm 30'000rpm



**Strong:** Ø 26mm - 150mm - 205g - 180W – 24.7 cNm – max 20.000 rpm Contents of the kit: MX-1 Strong + RS2000 + HP465 + PC800 **Light SP:** Ø 17mm - 120mm - 100g - 90W - 15.5 cNm – max 12.500 rpm Contents of the kit: MX-1 Light + RS3000SP + HP460 + PC800

**Light V:** Ø 17mm -105mm - 95g - 55W - 11.3 cNm – max 30.000 rpm Contents of the kit: MX-1 Light + RS3000V + HP460 + PC800

## 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.

# MX-1 CARBON



\*\*\* Price for a full set: 1x control unit + 1x micromotor Strong or Nano + 1x handpiece Strong or Nano + Foot Pedal PC800 + Lateral bracket + bench holder for Motor

### Choice of a STRONG micromotor with the associated handpiece





# MX-2 Revolt

DESIGN MEETS FUNCTION - SMART
24V 180W 24.7cNm 30'000rpm



# With MX-2 Revolt design meets function

The MX-2 is UNIQUE, small, light, handy, powerful, reliable, compact, practical and precise with 2 connects of micromotors and all in BADECO quality!

Save your micromotor or nanomotors with OLED screen, save your speed for each motor and feel the perfection in your hand. 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.

# MX-2 Revolt



\*\*\* Price for a full set: 1x control unit + 1x micromotor Strong or Nano + 1x handpiece Strong or Nano + Foot Pedal PC800 + Lateral bracket + bench holder for Motor

### Choice of a STRONG micromotor with the associated handpiece





# MX-4 Evolution

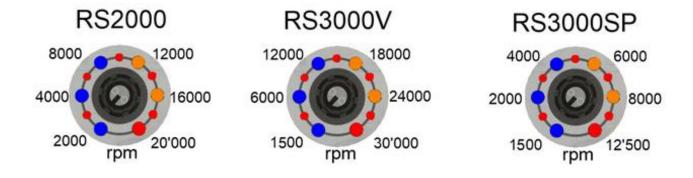
Increase productivity for 4 motors - SMART

24V 180W 24.7cNm 30'000rpm



## Increase productivity

he 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.



# MX-4 Evolution



\*\*\* Price for a full set: 1x control unit + 1x micromotor Strong or Nano + 1x handpiece Strong or Nano + Foot Pedal PC800 + Lateral bracket + bench holder for Motor

### Choice of a STRONG micromotor with the associated handpiece





# MX-4 TOUCH Evo

Automatic sensor for productivity with 4 motors
24V 180W 24.7cNm 30'000rpm



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.



\*\*\* Price for a full set: 1x control unit + 1x micromotor Strong or Nano + 1x handpiece Strong or Nano + Foot Pedal PC800 + Lateral bracket + bench holder for Motor

### Choice of a STRONG micromotor with the associated handpiece







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.
- o The dial on the front adjusts speed from 0 30,000 RPM.
- o On/off switch with foot pedal PC250 and reversible drive direction.
- o Adaptable nanomotor with other connection. (micro-filing)
- o 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, 105mm, 84gr.
- o The handpiece has a twist release rotary type collet for easy changes of 1.60mm, 2.35mm, or 3.00mm shank burs, depending on choice of collet installed.
- o Two Year Limited Warranty One Year for Lithium Battery.

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: DC12V/2A

# M1 Portable





\*\*\* Price for a full set: 1x control unit + 1x micromotor Nano + 1x handpiece Nano + Foot Pedal PC250 + bench holder for Motor



# Handpieces for hanging motors with Slip joint



Handpieces for hanging motors for duplex **\)** 467 Quick change HP46 - collet Ø2.35 - >20'000rpm Light and strong with carbon fiber For Duplex Spring US **437** Quick change HP-SSC - collet Ø2.35 - 20'000rpm For Duplex Spring US K212 | 217 | 222 Riveting and setting with tip 240.000 Slim and Light - Ultra precise 212 = Fine stroke 217 = Medium stroke 222 = Strong stroke <>>2LC050 / 2LC100 Polishing and filing with holder 100.300 Handpieces for QD connect Easy-file and maneuverability - 3D system Speed limit 14'000 rpm Holder for round or plate stick **2LC050** = 0.5mm lenght 2LC100 = 1mm of lenght **\)** 468 Quick change HP46 – collet Ø2.35 - >20'000rpm Light and strong with carbon fiber For Duplex Spring US ) 447 Quick change HP-SSC - collet Ø2.35 - 20'000rpm For Duplex Spring US K214 | 227 | 232 Riveting and setting with tip 240.000 Slim and Light - Ultra precise <>>9LC050 / 9LC100 *214* = Fine stroke **▼** Polishing and filing with holder 100.300 227 = Medium stroke Easy-file and maneuverability - 3D system 232 = Strong stroke Speed limit 14'000 rpm Holder for round or plate stick 9LC050 = 0.5mm lenght 9LC100 = 1mm of lenght

# SPB- 84 S1



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.

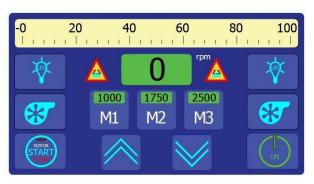


**SIEMENS** 









- Torque pressure indication
- Double Safety foot pedal
- Plexiglas protection with Safety magnet switch
- Osram High HD LED Lighting
- Danfoss Strong Vacuum High Pressure Pumps with 2 filters
- Schneider Electric Emergency stop
- Siemens automate High quality with Touch screen memory
- Siemens Simatic HMI Panel -Key and touch operation

Versatile, reliable and consistently awesome

Techn. specifications **SPB-84S1 SPB-84S2** Power supply 230/50Hz 230/50Hz Engine performance > 650 W > 650 W Speed (rpm) 100 to 4'500 rpm- (Precision +/-10 rpm) 100 to 4'500 rpm- (Precision +/-10 rpm) Vacuum 2 x 750 m3/h, for each side 750 m3/h 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 460mm x 370mm x 460mm 680mm x 390mm x 460mm Unit dimensions Net weight 30 Kg 45 Kg

# SPB- 84 S2



Techn. specifications

Power supply

Engine performance

Speed (rpm)

Vacuum

Lighting

Brush diameter

Unit dimensions

Net weight

**SPB-84S1** 

230/50Hz

> 650 W

100 to 4'500 rpm- (Precision +/-10 rpm)

750 m3/h

4 x 9 LED's 1.600 Lumen

160 mm max

460mm x 370mm x 460mm

30 Kg

#### **SPB-84S2**

230/50Hz

> 650 W

100 to 4'500 rpm- (Precision +/-10 rpm)

2 x 750 m3/h, for each side

4 x 9 LED's 1.600 Lumen for each side

160 mm max

680mm x 390mm x 460mm

45 Kg

# Spare parts for polishing bench





SPB\_84S\_G150



SPB\_84S\_G110

### PLEXIGLASS PROTECTION GLASS



SPB\_84S\_G100

#### **POLISHING SPINDEL, RIGHT**



SPB\_84S\_G140

#### Cylindrical wheel arbor



Spindle: Ø16 mm Washer: Ø 68 mm (2x) Brush width: 20-40 mm

SPB\_84S\_G130

# CARDBOARD CARTRIDGE WITH DOUBLE FILTER



SPB\_84S\_G120

#### SAFETY CONTACT PEDAL



SPB\_84S\_PC200SP



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).

# Product Features As an assembly or in

- As an assembly or inspection light with selected lighting technology on an articulated arm
- Flat light with modern look
- Luminous colors: Tunable white from 3,000 to 6,500 K, with or without an integrated control unit
  - Beam angle: Micro structure with diffuser (106°)
- Mounting variants: Articulated arm with universal clamp, drilling screw fitting or screw-on mounting
- Special features: shortened upper articulated arm enables even more flexible adjustment; anti-glare strip prevents direct glare in case of close-up work.

### **Technical Data**

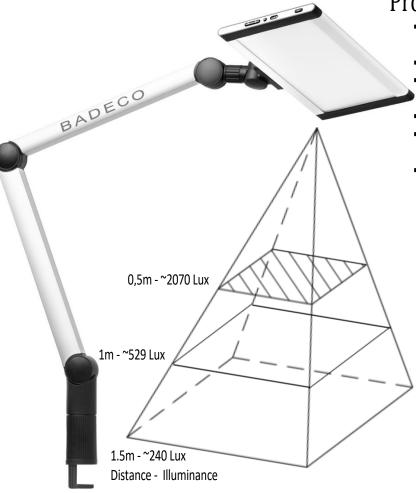
Nominal voltage: 24 W @ 48 VDC

Operating temperature: -20 ... +40 °C

Degree of protection : IP20

Color Rendering Index CRI 90

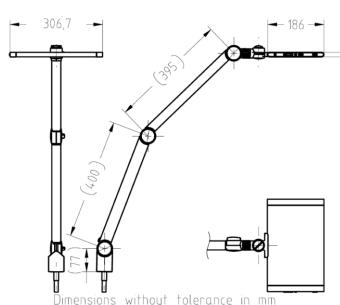
Power supply included – Mean Well



### 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.



# LED Bino-90

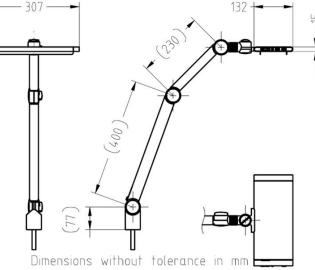


#### Mounting possibilities for articulated arm

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.





# Accessories for Mallet - Original silver steel Hardened tips

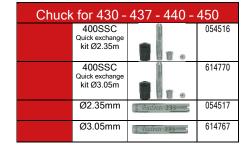
240.000	Unhardened Tip Ø 4.00 mm	<b>I</b> .	248.100*	Tip Rectangle Smooth Ø0.50 x 1.00 mm		250.250	Tip High speed steel Round Ø 2.50 mm	
240.050*	Tip Round Smooth Ø 0.50 mm	Ι.	248.150	Tip Rectangle Smooth 0.80 x 1.50 mm	I _	260.250	Tip Super carbide Round Ø 2.50 mm	I .
240.100*	Tip Round Smooth Ø 1.00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

# $Accessories\ for\ hand pieces\ -\ {\tt Original\ concentric\ Hardened\ collet}$

Chuck for MdMi 275-295-288-289-380-388				
	Ø0.55 mm	Badeco	055012	
	Ø0.80 mm	Badeco	055021	
	Ø1.05 mm	Badeco	055030	
	Ø1.55 mm	Badeco	055039	
	Ø1.65 mm	Badeco	570684	
	Ø2.05 mm	Badeco	055048	
	Ø2.35 mm	Badeco	054373	
	Ø2.55 mm	Badeco	055057	
	Ø3.05 mm	Badeco	055066	
	Ø3.20 mm	Badeco	054075	

Accessories for MdMi 275-295-288-289-380-388				
	Md274 Nut of clamp		054367	
	C200 Quick changing chucks Ø 0 to 4,5mm	Ø	560055	
	290.000 Set of 9 collets 0.55 - 0.80 - 1.05 1.55 - 2.05 - 2.35 2.55 - 3.05 - 3.20	1 0 0	560004	

Chuck for HP46 460-463-464-465-467-468				
	Ø1.60mm	BACECO	614911	
	Ø2.35mm	BACECO	614910	
	Ø3.00mm	EACECO	614908	



# Accessories for micro-files

100.300	Universal tool holder for Micro-Fill	
Cerami	ic 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)	2
CB-1	Ceramic stick 1x2x150 (G400: 600; 800; 1000; 1200) * (ex CB-1 -G400)	The same of the sa
CB-4	Ceramic stick 1x4x100 (G120; 220; 300; 400: 600; 800; 1000; 1200)* (ex CB-4 -G120)	
DB-4	Diamond stick 1x4x100 (G200; 400; 800)* (ex DB-4 -G200)	
Cerami	ic 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)	3
DR Ø 3.00	Diamond round Ø 3.00 x 50 (G400)* (ex DR-4 -G400)	

# Accessories for control unit



Arms articulated with 2 arms
MX-SF2

Magnetic holder for MX with
1 articulation Holder
MX-SF

Lateral magnetic bracket MAG\_026 (Strong) (For RS2000 & E2500) MAG\_017 (Nano) (For RS3000 & E3000)



Bench Holder ASF-021



Lateral bracket holder
For screw on unit or bench
M4\_026 (Strong)
(For RS2000 & E2500)



Foot pedal double function COMBI (on/off & vario) M3ASF => PC750 M4ASF2 => PC800 MX1 => PC800 MX2 => PC800 MX4 => PC800

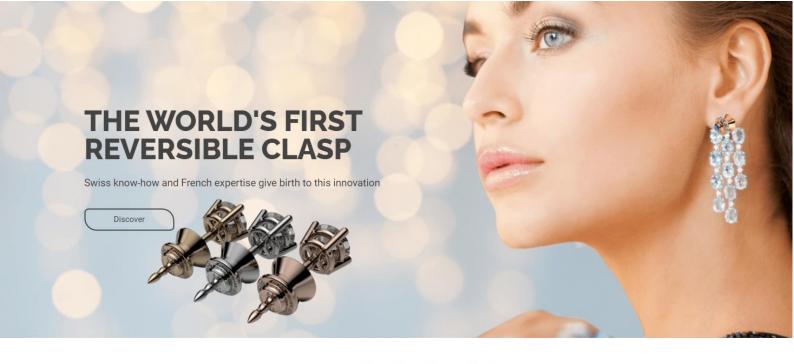


Lateral bracket holder – For screw on unit or bench Nano\_017 (Nano) (For RS3000 & E3000)



Foot pedal contact On/off for M3ASF => PC100 M4ASF2 => PC200 MX1 => PC200 MX2 => PC200 MX4 => PC200





## **FP SYSTEM**

A clasp for every identity





BIJOUTIER

A diamond setting for a unique clasp



PRESTIGE

Endless customization possibilities



# ELEGANCE AND INTELLIGENCE COMBINED

Elegant and luxurious, the FP SYSTEM is the first clasp to incorporate reversible technology, offering a level of comfort never seen before in the world.

These engravings and crimps offer a unique design and elegance that make it stand out from the crowd.





#### **BADECO SA**

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