



MADE IN GERMANY

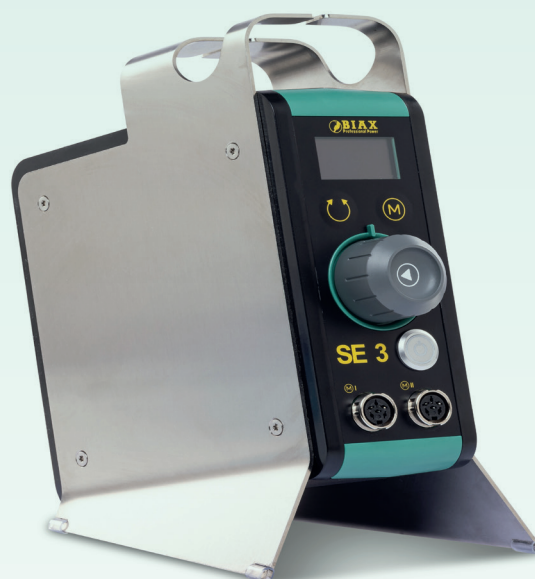
THE NEW MICRO GRINDERS FROM BIAX: SILENT GRINDER SE 1 AND SE 3



**Control unit
SE 1 SILENT GRINDER**

Order No. 001 611 730

With one connection for handpieces.



**Control unit
SE 3 SILENT GRINDER**

Order No. 001 611 725

With three connections for handpieces
and handpiece tray.



ESS 3-50

ESW 3-50

ESB 6-50

The new micro grinders from BIAX

- **Lightweight**
- **Low vibration**
- **Extremely quiet**
- **Speed range 200 - 100,000 RPM**

The SE 1 and SE 3 are new powerful, compact control units for all BIAX handpieces and spindles. Equipped with one (SE 1) or three (SE 3) motor connections, the control units support infinitely variable speed control and save set maximum speeds for each connection individually. The intelligent control electronics permanently monitor the motor connections, immediately detecting any reconnection of the motors (handpieces). The power parameters are automatically adjusted to the connected motor (handpiece).

Other product features:

- Connection possibility for foot switch on/off and dynamic foot starter.
- Low starting speed of 200 RPM.
- Clockwise and counterclockwise rotation, switching acknowledged by a short vibration of the handpiece.
- Bright OLED display.

Technical data	SE 1	SE3
Speed range [RPM]	200 - 50,000 resp. 1.000 - 100,000	200 - 60,000 resp. 1.000 - 100,000
Weight [g]	1,875	2,145
Dimensions [mm]	W 105 x H 205 x D 215	W 135 x H 250 x D 215
Operating voltage [Volt]	100 - 240	100 - 240
Nominal frequency [Hz]	50/60	50/60
Input power [Watt]	220	300
Drive system	Brushless DC motor	

Handpieces	ESS 3-50 (Slim)	ESW 3-50 (Angle 90°)	ESB 6-50
Order no.	160 100 010	160 100 020	160 100 060
Speed range [RPM]	200 - 50,000	200 - 20,000	200 - 40,000
Diameter [mm]	max. 29	max. 29	max. 28
Length [mm]	162	158	142
Weight without cable [g]	240	180	230
Concentricity [mm]	< 0,02	< 0,02	< 0,03
Collets [Ø mm]	3,0 (Standard) 2,35 (Optional)	3,0 (Standard) 2,35 (Optional)	6,0
Tool change	Quick clamping	Special tool	Special tool
Cooling	Closed-loop cooling		
Drive system	Brushless DC motor		

Optional accessories



SEFD 50 dynamic foot-operated start switch
Order no. 001 611 705



SEFT 50 foot-operated ON/OFF switch
Order no. 001 611 706



Vario-holder
Order no. 007 012 848



Handpiece holder for grinder
Order no. 001 611 710



Collet diameter 3.0 mm
Order no. 001 611 708
Collet diameter 2.35 mm
Order no. 001 611 707



Counterholder wrench
Order no. 001 611 711
Collet wrench
Order no. 001 611 712

Special ESW tool
available on request