



## **ELECTER**

### **Portable Grinder/Polisher**

- Light weight controller with 2 connectors for grinding/polishing handpiece**
- Compact design, easy to carry**
- Variety of different motors and handles**
- High torque for heavy duty material removal**
- Wide range of accessories**
- Gentle start and quick stop mechanism for secure working**

ELECTER is a portable grinder/polisher for non-destructive metallographic preparation on-site e.g. pipe-liners or piping in power plants. Using flexible cables all grinding and polishing work can be carried out on the piece to be investigated. ELECTER consists of a controller unit with the power-supply and grinder/polisher unit(s). The controller has two connectors to adapt the grinder/polisher units. Therefore it is possible to use two independent grinder/polisher units on one machine. To change from one head to the other, the user only has to move a switch. All controls are integrated in the front panel.

The standard equipment (ELECTER-Set 1) is delivered with one grinder/polisher motor (1.500-29.000 rpm). A 90° handpiece can be equipped with rubber-carriers (Ø 30 mm) for grinding paper or polishing cloth for mechanical sample preparation.

ELECTER-Set 2 has two grinder/polisher motors (1.500-29.000 rpm and 1.000-25.000 rpm). In addition to the 90° handpiece a straight handpiece is delivered with the unit for heavy duty material removal.

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# ELECTER Portable Grinder/Polisher

## Ordering Information

### ELECTER-Set 1

Voltage: 230V/50-60 Hz, 1 Phase .....	53 00 05
Complete with controller for 2 motors, 1 motor included	
Dimensions (HxWxD) 83 x 150 x 224 mm, weight 2,3 kg	
Standard Accessories: Controller GX, cable	
Micromotor NK-260 (1.500-29.000 rpm) with spiral cable	
Reduction gear RG-01(¼) N for micromotor to increase power	
Handpiece IC-300 (90°) with 3 rubber-carriers Ø 30 mm (52 02 00)	
Instruction Manual	

### ELECTER-Set 2

Voltage: 230V/50-60 Hz, 1 Phase .....	53 00 08
Complete with Controller for 2 motors, 2 motors included	
Dimensions (HxWxD) 83 x 150 x 224 mm, weight 2,3 kg	
Standard Accessories: Controller GX, cable	
Micromotor NK-260 (1.500-29.000 rpm) with spiral cable	
Reduction gear RG-01(¼) N for micromotor to increase power	
Handpiece IC-300 (90°) with 3 rubber-carriers Ø 30 mm (52 02 00)	
Super-torque Micromotor NK-150 (1.000-15.000 rpm) with spiral cable	
Straight Handpiece HG-200 with spanner 13 10 05	
Instruction Manual	

### Accessories:

Handpiece IC-300 (90°) for micromotor NK-260 with 3 rubber-shoes Ø 30 mm (52 02 00) .....	53 20 01
Handpiece KC-300 (45°) for micromotor NK-260 with 3 rubber-shoes Ø 30 mm (52 02 00) .....	53 20 02
Straight Handpiece HG-200 for tools with Ø 6 mm shaft .....	53 10 01
Micromotor NK-260 (1.500-29.000 rpm) with spiral cable .....	53 00 01
Reduction gear RG-01(¼) N for micromotor to increase power .....	53 00 02
Super-torque Micromotor NK-150 (high torque, 1.000-15.000 rpm) with spiral cable .....	53 00 03
Foot-switch FC-40 for Controller GX .....	53 30 01
Rubber-carrier (velcro-mounting) Ø 30 mm for 90°-handpiece (for paper P80 up to P240) .....	52 01 10
Rubber-carrier (plain rubber) Ø 30 mm for 90°-handpiece (for paper P320 up to P1000 or cloth) .....	52 01 00

### Consumables:

SiC-Paper P60 for velcro mounting Ø 30 mm	100 pieces .....	12 03 51
SiC-Paper P120 for velcro mounting Ø 30 mm	100 pieces .....	12 03 54
SiC-Paper P180 for velcro mounting Ø 30 mm	100 pieces .....	12 03 56
SiC-Paper P240 for velcro mounting Ø 30 mm	100 pieces .....	12 03 58
SiC-Paper P320 PSA-backing Ø 30 mm	100 pieces .....	12 03 60
SiC-Paper P400 PSA-backing Ø 30 mm	100 pieces .....	12 03 61
SiC-Paper P600 PSA-backing Ø 30 mm	100 pieces .....	12 03 62
SiC-Paper P1000 PSA-backing Ø 30 mm	100 pieces .....	12 03 63
Composite grinding brush grit 80 Ø 63x32 mm, shaft-Ø 6 mm	1 piece .....	13 10 02
Composite grinding brush grit 120 Ø 63x32 mm, shaft-Ø 6 mm	1 piece .....	13 10 04
Composite grinding brush grit 180 Ø 63x32 mm, shaft-Ø 6 mm	1 piece .....	13 10 06
Composite grinding brush fine Ø 63x32 mm, shaft-Ø 6 mm	1 piece .....	13 10 08
Composite grinding brush extra fine Ø 63x32 mm, shaft-Ø 6 mm	1 piece .....	13 10 10
Spanner for grinding brush shaft-Ø 6 mm	1 piece .....	13 10 05
Polishing head (felt), shaft-Ø 6 mm cone Ø 25x30 mm, shaft-Ø 6 mm	10 pieces .....	13 10 11
Polishing cloth Ø 30 mm Woolfelt general application	20 pieces .....	16 03 00
Polishing cloth Ø 30 mm VELTEX napped cloth	20 pieces .....	16 03 53
Acetat-Replica film 10x12 cm, 34 µm thick	1 kit = 12 sheet .....	70-986E
Acetat-Replica film 10x12 cm, 80 µm thick	1 kit = 12 sheet .....	70-987E

For information on consumables, please contact our offices or your local dealer.

Our products are subject to constant product development. We therefore reserve the right to introduce technical changes without notice.

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**BUEHLER ANALYST®**  
**SECTION**

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