

# Universal grinder EWAG WS11

<b>State</b>	<b>REBUILT</b>
<b>Category</b>	Tool grinder
<b>Brand</b>	EWAG
<b>Model</b>	WS11
<b>Serial number</b>	-
<b>Year of manufacture</b>	-
<b>Inventory number</b>	900011



## CHARACTERISTICS

Second-hand machine totally rebuilt with new painting :  
 upper part : white grey RAL 9003  
 base : grey RAL 7011

Guarantee : 12 months on parts only from date of delivery.  
 Will be delivered with accuracy chart.

### Grinding spindle

Speed at 50 Hz 2000 | 3500 | 4800 | 6800 rpm  
 Speed at 60 Hz 2400 | 4200 | 5760 | 8160 rpm  
 Engine power 0.3 KW  
 Vertical range axe Y 100 mm  
 Reading accuracy 0.01 mm

### Workpiece holder

Continuous variable speed from 100 - 1000 t/min  
 Engin power 0.25 KW  
 Divisor 120 divisions

### Spindle W20

Range axe Z 100 mm  
 Reading accuracy 0.001 mm  
 Range axe X 100 mm

### Dust extractor

Turbine power 0.7 KW  
 Air volume 0.8 m3/min

## COMPOSITION AND ACCESSORIES

infed operation 4E (Z axis), ref. 111-2-15168  
 cross feed drive 4Q-M (X axis), ref. 111-2-29011  
 grinding stroke drive 3H (Y axis), ref. 111-2.15165,  
 with NEW retrofit kit  
 Rebuilt or new grinding spindle Q36-12, ref. 111-2.21901,  
 with rebuilt holder 3KPN and rebuilt system of forced  
 lubrication  
 Rebuilt or new maintenance free workhead spindle BP60-20, ref.  
 111-2.15546  
 Workhead complete  
 Electronic variator for workhead spindle (from 100 to 1300  
 RPM)  
 NEW foot pedal 9M (Z axis), ref. 111-2.15740  
 NEW LED lamp WALDMANN  
 Rebuilt integrated dust extraction unit

### Accessories

NEW digital readout on Z axis 4DZ-MZ, ref. 111-2.31009  
 NEW universal support  
 Instruction book

### Options (to be selected by yourself with the order)

NEW set of 20 collets SCHAUBLIN type W20-UP (ultra precise)  
 NEW optics / microscope from the front S40-VM  
 NEW optics / microscope from the top S40-OMP with mechanical  
 micrometer  
 NEW optics / microscope from the top S40-OMP DIG with digital  
 micrometer  
 NEW measuring table MT-MP with mechanical micrometers  
 NEW measuring table MT-MZ DIG with digital micrometers

