

# 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 rpm 3500 rpm 4800 rpm 6800 rpm  
Speed at 60 Hz 2400 rpm 4200 rpm 5760 rpm 8160 rpm  
Motor power 0.3 KW

### Workpiece spindle W20

Continuous speed 100 - 1300 rpm  
Motor power 0.25 KW  
Number of teeth on the divider 120 Z

### Travels

Z-axis movement 100 mm  
Vernier reading accuracy 0.001 mm  
X-axis transverse movement 100 mm  
Reading accuracy 0.01 mm  
Y-axis vertical stroke 100 mm  
Reading accuracy 0.01 mm

## 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

Digital display (on Z axis) 4DZ-MZ, new  
New universal support  
Instruction manual

### 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

