

WELL Precision Vertical Diamond Wire Saw

AGB8580



AGB8580 WELL precision Vertical Diamond Wire Saw (model 4500) is the most universal. Compact and easy to use, it can meet the needs of industrials as well as laboratories. Very often, it avoids a lengthy and costly polishing job.

The proven and much sought-after Well cutting principle is integrated, for cutting medium-sized samples (150mm in height, 150mm in width). To cut small parts, the wire guide rollers can be lowered as close as possible to the sample. In addition, optional micrometric tables are supplied when cutting accurate slices is needed.

Since the patented diamond embedded wire, of approximately 15 metres in length, travels in both a forward and reversing direction, the sample must be firmly secured to the worktable. The tension on the wire on the "T-slotted" table can be adjusted with the tensioning mechanisms supplied with the saw.

An electronic protection device is installed at the heart of the machine for a longer lasting wire. If the cutting pressure on the wire is too high, a warning will be displayed on the screen. With this new technology, even very fine wires can be installed.

An electronic ruler is installed underneath the work table. It is used to display the cutting progress

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on screen. You can also simply modify the parameters to use it as a depth-of-cut stop allowing you to adjust the stop of the machine precisely.

With its sleek design, it is easy to maintain and use. With the semi-automatic wire winding system combined with the latest drum technology, replacing the wire is staggeringly simple. Work table with motorised feed available upon request.

Main Specifications

● Cutting feed:	Gravity (+/- 2000g)
● Electric motor:	240W
● Machine control:	Touch Screen LCD 7" – 1024 x 600 Pixel
● Drum diameter:	158mm
● Pulleys diameter:	158mm
● Possible wire diameter:	0.13 - 0.50mm
● Wire length:	15 m
● Wire speed:	0 – 2.5 m/s
● Wire Ø 0.22 – 0.3mm tension:	2kg
● Wire Ø 0.10 – 0.17mm tension:	1kg
● Cleaning of wire:	With cutting liquid diluted 5% or water
● Max. sample weight:	10kg
● Mobile sample table dimensions	330 x 370mm
● Electronic ruler for depth of cut stop	Yes
● Automatic Winding System	Yes
● Protection Wire System	Yes
● Max sample dimension:	150x150x150mm or Ø 150 mm
● Primary voltage;	230V-110 / 50-60 Hz
● Machine weight without accessories:	85kg
● Overall dimension:	590 x 480 x 860 mm (L x D x H)
● CE Certification	

Example of accessories (others also available)

- USB Professional Microscope with WiFi streaming
- Clamping flanges for large samples



Standard sample holder



Turn table



Micrometer table



X-Y table