

# Automatic Wire Polishing Machine

## MODEL: WPAB 1S



This machine is designed and developed for sizing and polishing of polycrystalline, natural and Mono diamond dies of size range from 0.100mm to 10.00mm. The machine is specially designed for the RBD sizes of range 2.500 mm to 10.00 mm.

The Machine is manufactured with precision engineering and especially consists of self centering oscillating type die holder and reciprocating wire clamping device. Die rotation and stroke speeds are continuously variable. Individual controls are provided for die rotation, stroke and oscillation. All operations are controlled by electronic timer with digital display especially spindle and stroke motors are operating through Japanese make AC drives. To speed up the working of RBD dies, a special feature to exert side pressure on the die is provided. All operations are controlled by electronics timer. This machine is supplied with a set of spares and standard accessories which makes a package and ready to use.

\*For best result always use Mikrotek Diamond powders

\*For drawing straight rod Use Mikrotek Hydraulic wire puller

**Standard accessories:** Mains chord -1no, Spindle Caps- 2nos, Container for Diamond paste-7nos, Olive oil-100ml, Round Belt- $\phi$ 6X1000mm-1no, Timer Belt 18XL-1no, Latch Switch 24VDC-1no, Fuses-3,5 and 6Amps-5nos Each, Halogen bulb 12V/50W-1no.

Higher capacity models on request

\*Specification are subject to change without prior notice.

Model	WPAB1S
Die size range	0.100 – 10 mm
Die speed	0 – 3000 rpm
Stroke speed	0 – 400 double str/min
Stroke length	80 mm
Die oscillation	0 - 0° (20° each side)
Case size	$\Phi$ 25, 2 , 43 & 55 mm
Timer	1 sec – 59 hrs
Input voltage	220V, 50 Hz
Machine Dimensions in mm	510X590X610 mm
Net weight	144 Kgs
Gross weight	208 Kgs
W.Box dimension	710X790X910 mm

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WPA

Diamond Powder

ND Dies

Mono Dies

SMP Dies