



## DIAMOND TOOL POLISHING MACHINE MODEL DTP-300AX

This diamond tool polishing machine is used to grind and polish single crystal diamond and CVD diamond tools and to process flank face and rake face of single crystal diamond tools.



MODEL DTP-300AX

Even though the upper surface of the scaife is rotating at high speed, extremely runout is small, and accurate surface processing and cutting of the cutting edge of the single crystal diamond tool can be performed.

### Polished diamond tool



$90^{\circ} \pm 0.05^{\circ}$  magnification x 500

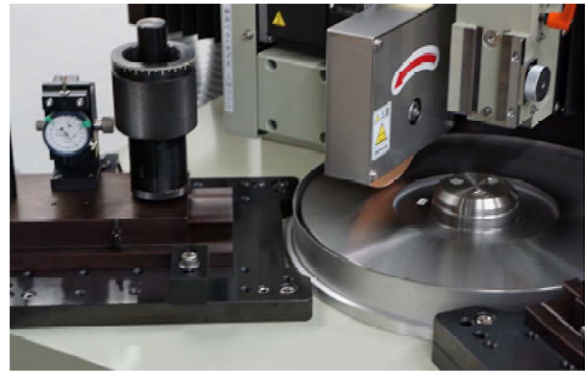
■ Ultra precision air bearing is carried in the body of the foundry structure with increased absorbability.

■ The special polishing equipment is carried. Attach the diamond tool to be machined to the work holding tool of the equipment

■ A portal modification device of a gate type structure is equipped for turning mechanism and grinding mechanism.

■ Since the upper surface of the scaife is rotary ground with a grindstone, a smooth polished surface can be obtained.

■ Beginners can also rep polish the rake face and flank face of single crystal diamond tool.



Correction of scaife top surface by grinding wheel

**Standard specification:**

Air bearing with air clean unit  
 Special polishing equipment, 1 unit  
 Scaife correction system 1unit  
 Scaife, 1ps

**Special accessories:**

Diamond wheel  
 Dust collector

SPECIFICATIONS of DTP-300AX

Machine size----- 850W x 670D x 1300H mm  
 Scaife size -----  $\Phi$ 250~310mm  
 Main spindle rotation speed-----300~3000r.p.m.  
 Main spindle motor----- (Three phase, 200V,50/60Hz) 750W  
 Electric power-----Three phase, 200V, 50/60Hz  
 Net weight-----Approx.750Kgs

Specifications subject to change without notice.

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