



Hob Resharpening Machine **HBS-1520 CNC**

Special Features

- This machine is developed and designed by Ogasawara Precision Hob Laboratory Ltd. and constructed under our supervision by Saikuni Manufacturing Co. Ltd.
The purpose, to create a machine which can realize finish grinding of Tru-Volute AAA Precision.
- With this machine and our instruction, resharpening hobs to original Tru-volute AAA precision can be obtained.
- This machine can perform ultra precision grinding in $1 \mu m$ increments, leaving mirror surface finish ($R_{max} 0.1 \mu m$).
- CNC Control makes for easy setup and fully automated operation, which reduce costs dramatically.
- Our original grinding wheel dresser system is also available.

Specifications

| | |
|---------------------------|---------------------------------------|
| Hob Size | OD $\phi 10 \sim 150$ mm |
| | Width 8~200 mm |
| Hob Material | Tungsten Carbide/High Speed Steel |
| No. of Flute | 1 ~ 99 |
| Axis Range | X : 300 mm Y : 100 mm Z : ± 15 mm |
| Axis Speed/Max. | X : 6 m/min Y : 6 m/min Z : 0.6 m/min |
| Helical Flute | $\pm 25^\circ$ Lead |
| Grinding Wheel Dia. Max. | $\phi 150$ mm |
| Grinding Wheel Speed Max. | 5,000 rpm |
| Machine Dimensions | W : 1,950mm D : 1,330mm H : 1,800mm |
| Weight | 1,800 kgwt |

Accessories

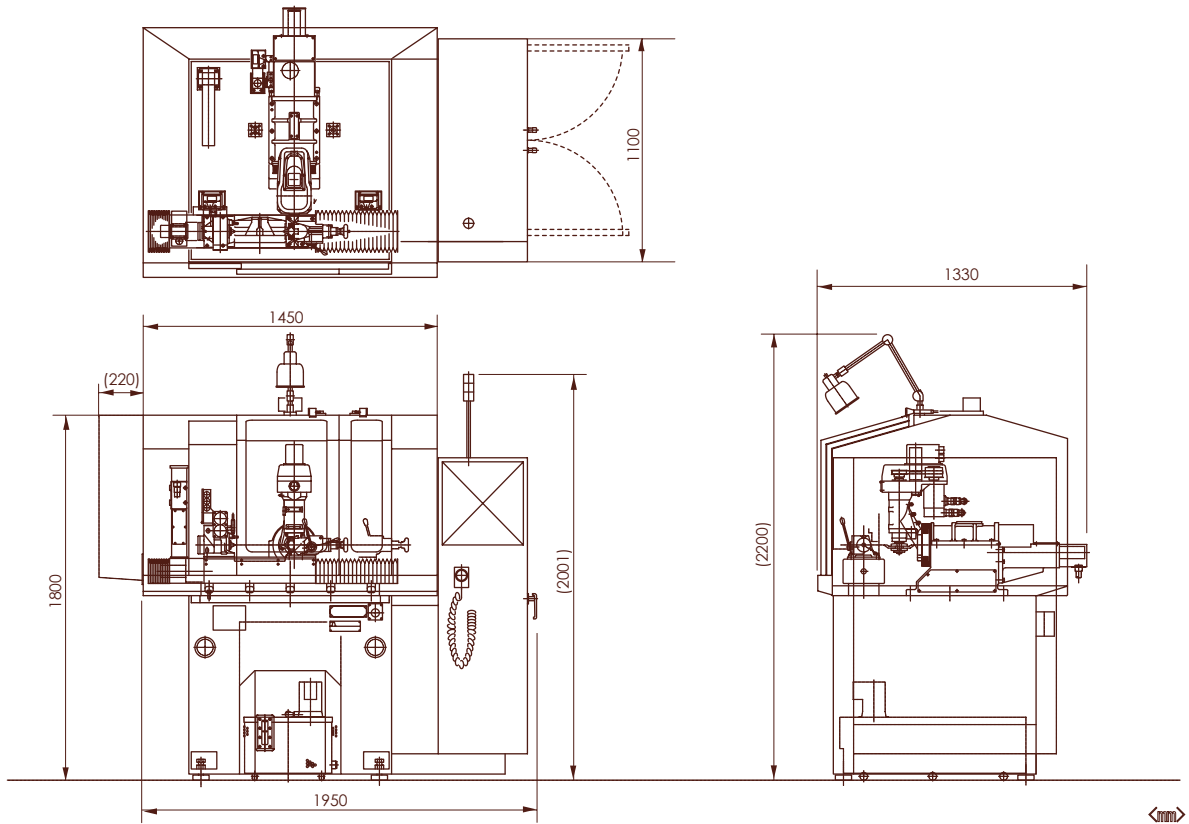
Standard

- Diamond or CBN wheel with flange
- Tool set for wheel zero setting
- Coolant system
- Tool set

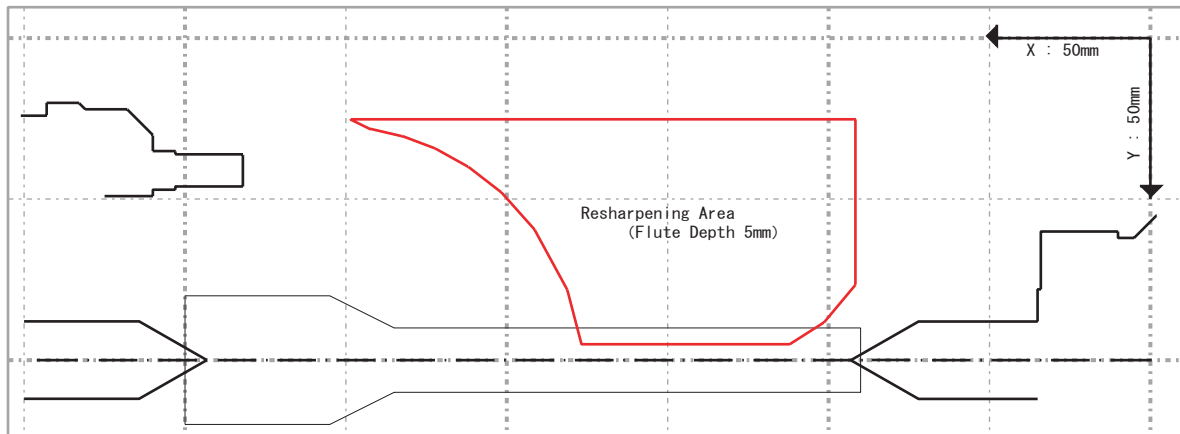
Optional

- Cycle signal lamp
- Lamp
- Hob arbor with nut
- Coolant Filter
- Oil mist collector
- Hob arbor clamping tool
- Resharpening wheel dressing equipment

Machine Dimensions



Resharpening Range (Area indicated by redline)



*Effective resharpening area in relation to flute depth and arbor size