

## NEW DESIGNS BY ROBINS

### NEW FEATURES

### THE VALVE GUIDE

- Valve guide honing kit added
- CVS Constant variable speed
- Threading/tapping made simple (Reverse / Forward) spindle RPM

- You cannot produce accurate valve seats if you do not first finish guide bores accurately!
- If the reference point for the seat is sub par, the seat quality will suffer.

**Remember...the valve guide is the guide, not the seat!**  
**Achieve Guide Honing within 0.0001"**



### Nano Precision Tooling



**NEW**

**Newly built-in Guide Honing Kit**



**RUBi-hard** + PLUS  
 Premium multi-angle cutting inserts  
 Suitable for- Powder Metal and hardened Valve Seats



### Carbide Pilots in 0.0001" increments



1. Guide length measuring gage
2. Guide leveling pilot
3. Precision diamond honing tool (USA patent pending)
4. Precision master bore gage
5. Sample honed guide



Insert Lapping Device

Portable Vacuum Unit

## SPECIFICATIONS & FEATURES

Robins SGH 7 model is the most reliable and economical cylinder head seat and guide machine on the market today. Robins combines precision carbide centering pilots with a light weight air float workhead to give you perfect centering with the valve guide - every time.

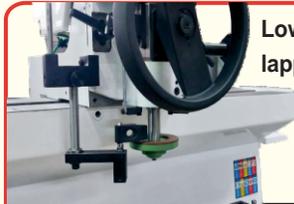
## SPECIFICATIONS

Cylinder Head Size (in Roll Fixture)	32" x 10" x 6" (812 x 254 x 152 mm)
Spindle Tilt	±15 Degrees
Electrics	220V/50-60HZ/1PH
Spindle Stroke	6.70" (175 mm)
Spindle Speed	50-440 RPM
Surface Finish	0.5 - 1.25 μmRa
Micro Fine Feed	Yes
Spring Free Tooling	Yes
Constant Varying Speed	Yes

CVS™



Constant variable spindle speed for chatter-free seats



Low cost precision lapping device mounts in machine spindle



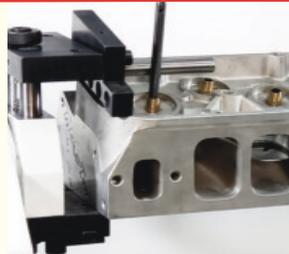
**MOTORIZED INSERT LAPPING DEVICE (NEW)**

Easy to lap Rubi Hard inserts to factory's original rake angle and mirror surface finish.



**NANO-PRECISION CARBIDE PILOTS**

- Fixed & Live (From 3.50 mm)
- OD Honed for longer life
- Zero tolerance (exact dia) custom pilots in 2 micron increments- (Robins Gold Series)



**EQUAL SEAT DEPTH**

Unique alignment device aligns all guides including canted guides.



Dual Axis digital level (optional)



Reverse RPM for Tapping Feature

## WORKING ACCURACY

- ✓ Valve seat roundness: 0.0001" (2μm)
- ✓ Valve seat to honed-guide concentricity: 0.0002" (5μm)



SGH 7 Machine shown with 360 degree roll fixture, Small Motor Bike and Automotive Cylinder heads

43  
Years of  
Legacy

# ROBINS




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