

## 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"



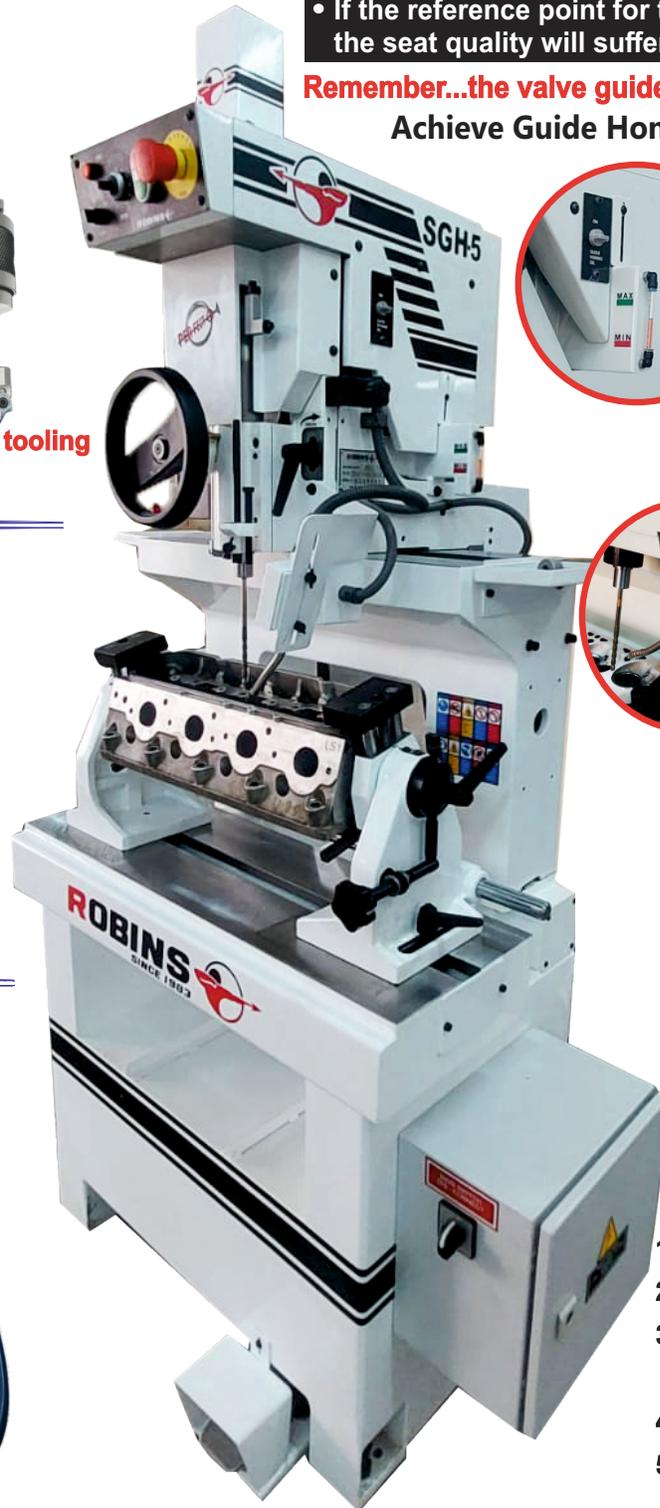
**Nano Precision Tooling**

Spring-Free tooling



**NEW**

**Newly built-in Guide Honing Kit**



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

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



Carbide Pilots in 0.0001" increments



Insert Lapping Device

Portable Vacuum Unit

## SPECIFICATIONS & FEATURES

Robins SGH 5 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.

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.

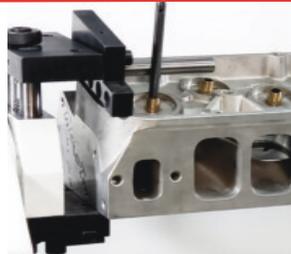
## SPECIFICATIONS

Max Cylinder Head Size	23"l x 10"w x 6"h (585mm x 254mm x 152mm)
Spindle Tilt	± 10 Degrees
Spindle Stroke	5.75" (146 mm)
Spindle Speed	70 - 580 RPM
Electrics	220V/50-60HZ/1PH
Spring Free Tooling	Yes
Constant Varying Speed	Yes
Threading / Tapping Feature	Yes



**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.

## WORKING ACCURACY

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

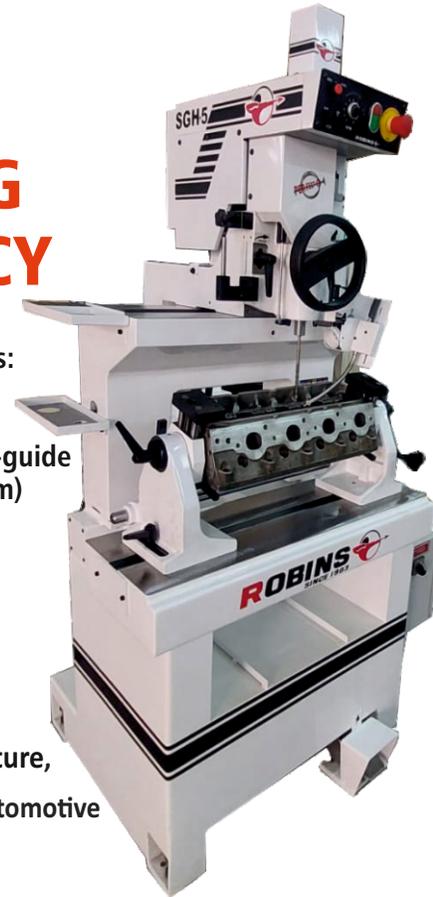


Dual Axis digital level (optional)



Reverse RPM for Tapping Feature

SGH 5 Machine shown with 360 degree roll fixture, Small Motor Bike and Automotive Cylinder heads



43  
Years of  
Legacy

# ROBINS







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**EVERY CUSTOMER SINCE 1983 - IS ROBINS-TESTIMONIAL !**