

NEW DESIGNS BY ROBINS

Introducing Robins SGH 4 Low Cost Seat & Guide Machine with Start Up Tooling Package

 **RUBi-hard** PLUS
Premium 3-angle inserts



Spring-Free Tooling

Max cylinder head size	10" L x 10 W x 6 H" (254 x 254 x 152 mm)
Spindle Tilt	± 10 Degrees
Spindle Stroke	145 mm
Spindle Speed	70 - 570 RPM
Electrics	220V/50-60HZ/1PH
Spring Free Tooling	Yes
Constant Varying Speed	No

SGH 4 is specifically designed for machine shops that build small to large Cyl.Heads. Fixed Pilot concept works the best to achieve ultimate chatter-free finish on Valve Seats & down to few microns concentricity.

Optional basic tooling & fixtures

- RBHAR1 Spring free adaptor
- BH375R1 - Standard Ball Head
- TH 1999; TH 2000; TH 2001; - Insert Holders
- TSD - Tool Setting device
- High Precision - Bubble level
- V lap Kit

THE VALVE GUIDE

- 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"



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

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FEATURES - OPTIONAL FIXTURES & TOOLING

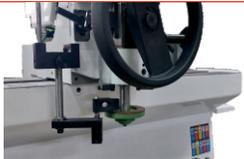
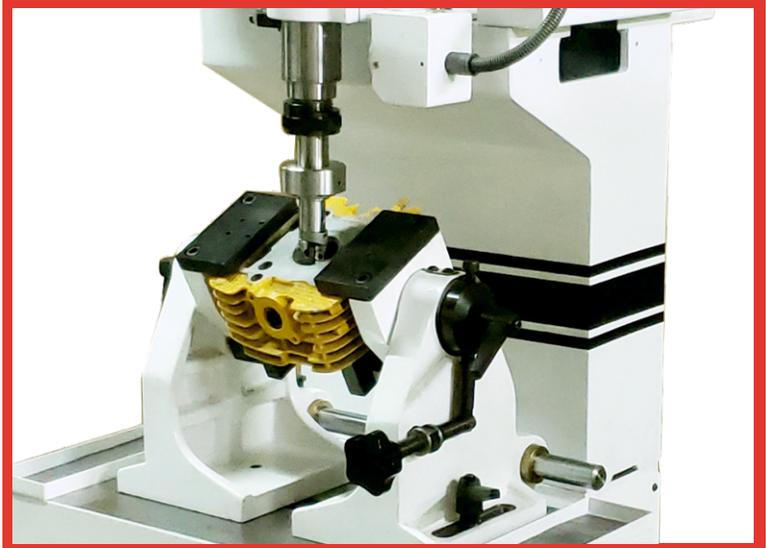


ADAPTORS & DRIVERS

Drill/ Reamer drivers, 3-angle holders, collet chucks.

MEASURING DEVICES

- Concen Gages
- Tool setting device
- Counter boring micrometers
- Canted bar for canted heads



Low cost precision lapping device mounts in machine spindle



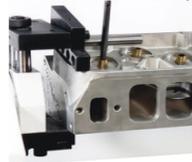
INSERT HOLDERS

3- Angle & Triangular

Counter boring, old seat ring removal & single angle indexable holders.



SPRING FREE TOOLING
Designed in 2002.
in use world-wide!



EQUAL SEAT DEPTH
Unique alignment device aligns all guides including canted guides.



3- ANGLE CUTTING INSERTS
Over 400 Multi- angle profiles to choose from.
Also Custom inserts.



NANO-PRECISION CARBIDE PILOTS

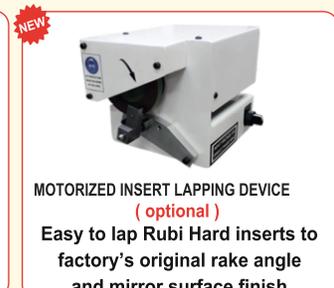
- Fixed & Live (4-20mm range)
- OD Honed for Longer life
- Zero tolerance (exact dia) custom pilots in 2 micron increments- (Robins Gold Series)



Dual Axis digital level
(optional)



Vaccum Unit with pads
(optional)



MOTORIZED INSERT LAPPING DEVICE
(optional)
Easy to lap Rubi Hard inserts to factory's original rake angle and mirror surface finish.

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Years of
Legacy