


*Signature* brand

**CVS**<sup>TM</sup>  
Constantly-Varying Speed  
US Patent - for Chatter-Free Seats!



 **RUBi-hard**<sup>TM</sup>  
Premium multi-angle cutting inserts  
Suitable for-  
Powder Metal and hardened  
Valve Seats



Designing & Manufacturing Patented Technologies  
US 7 726919B | US 17879818 | US 17892165

Dual axis digital level with smart screen showing precise spindle tilt and RPM.  
Align valve guides including canted heads faster & more accurately.



Optional



Inventors of  
Spring-Free Tooling  
(US Patent)

- Smallest motorcycle to diesel heads upto 40" long can easily be set up.
- Cylinder heads can be rotated 360 degrees effortlessly.

**ROBINS**  **SG8** **ROBINS**  **SG8** **ROBINS**  **SG8**

**New Standard in Valve Seats & Guides**


**SG8** is specifically designed for machine shops that build small to large Cyl.Heads. Also Cylinder heads used in Natural Gas, Mining, Construction & Marine Engines. Fixed Pilot concept works the best to achieve ultimate chatter-free finish on Valve Seats & down to few microns concentricity. Large heads can be easily clamped and rolled full 360 degrees to allow work to be done on all slides of these cylinder heads. Difficult jobs such as Injector Tubes, drilling & tapping, repairing broken studs and threads can be easily done.

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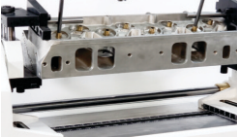

**Patented technology vary spindle speed automatically for chatter-free seats.**



**360° ROLL OVER FIXTURE**  
Built - in degree wheel 90. Positive lock for in-line cylinderheads.




**C-FRAME FIXTURE**  
Extended clamping for difficult to mount cylinder heads.



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




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



**SINGLE CYLINDER SMALL DIA SEAT CUTTING**  
Single cylinder heads can easily be set up on Robins unique Roll Fixture.



**AIR CRAFT CYL. HEAD CLAMP-KIT**  
Air Craft Clamp-Kit with custom tooling & Concen Gage




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



**SPRING FREE TOOLING**  
Invented in 2003. Patented and in use world-wide!



**ROLL-FIXTURE (UNIVERSAL)**  
Fast set up of various types of Cylinder Heads



**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)




**HEAVY DUTY DUAL AXIS ELECTRONIC LEVEL**  
Dual axis level (new) for canted heads



**INSERT HOLDERS** 3-Angle & Triangular  
Counter boring; old seat ring removal & single angle indexable holders.



**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

SG 8

**SPECIFICATIONS**

**CVS**  
Constantly-Varying Speed  
US Patent - for Chatter-Free Seats!

**RUBi-hard**

- Cylinder Head Size (in Roll Fixture)
- Spindle Tilt
- Spindle Stroke
- Spindle Speed
- Concentricity
- Micro Fine Feed
- Spring Free Adaptors
- Constant Varying Speed

40 x 12 x 6"
10 Degrees
8.500" (216 mm)
35-500 RPM
0.0002" (Honed Guides)
Yes
Yes
Yes

