

Signature brand

CVSTM
Constantly-Varying Speed
US Patent - for Chatter-Free Seats!



RUBi-hardTM
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.



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.



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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CVS

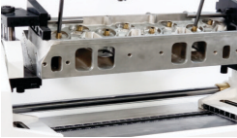
Patented technology vary spindle speed automatically for chatter-free seats.



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




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



RUBi-hard


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



- **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

