

Designing & Manufacturing Patented Technologies

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SG 7

Seat & Guide Machine

"Built ...forever"



Simply - the best in the Industry

Robins exclusive patented multi-angle seat tooling eliminates the need for bounce springs. Robins patented tooling holds the ball driver firmly, yet allows the sphere to float during seat cutting. This eliminates the trouble-some bounce springs but gives you the ultimate in valve seat concentricity.

Robins Machines offer a wide range of tooling & fixtures for machining variety of cylinder heads as well as all the required operations from seat cutting, guide finishing to injector tube machining.



Get more Life with Ruby-hard premium inserts



Concen Gage



Remove old seats easily



Chatter- Free Finish



Lapping & Sharpening Units



Unique Cyl. Head Fixtures

FEATURES & TOOLING

- **ROBINS** Patented Spring Free Tooling
- Live & Fixed Carbide Pilots.
- Roll-over & Tilt Fixtures.
- 3-angle cutting inserts - Edge Honed & Sub-Zero treated for longer life.  **RUBI-hard**™ Inserts
- Tooling For Aircraft Cyl. Heads.
- Tooling For All Makes of Seat & Guide Machines.

- Seat Roundness 0.0001" (0.002 mm)
- Seat To Honed Guide Concen 0.0002" (0.005 mm)

SG 7 Capacity

- Cylinder Head Size (in Roll Fixture)
- Spindle Tilt
- Spindle Dia
- Spindle Stroke
- Spindle Speed
- Surface Finish
- Micro Fine Feed
- Spring Free Tooling

Cylinder Head Size (in Roll Fixture)	32 x 10 x 6" (812 x 254 x 152 mm)
Spindle Tilt	± 15 Degrees
Spindle Dia	56 mm
Spindle Stroke	175 mm
Spindle Speed	80-440 RPM
Surface Finish	0.5 - 1.25 μmRa
Micro Fine Feed	Yes
Spring Free Tooling	Yes