

# ROBINS

SINCE 1983



Signature brand

Tried, Tested & Trusted

Original Design by Robins

# SG 7.1

Seat & Guide Machine  
extreme precision

NEW DESIGNS BY ROBINS

US 7,726,919 B1 | US 17879818 | US 17892165 (Patents pending)

**NOW FEATURING CVS AND REVERSE RPM FOR TAPPING**



**OPTIONAL TOOLING & ACCESSORIES**



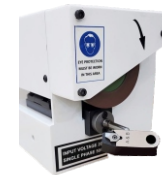
Micro Precision Carbide Pilots (0.0001" increments)



Counter Bore tooling removes old seats easily



Inventors of Spring free Tooling



Insert Lapping Device



Digital Level



Concen Gage



Dual Axis Canted Level

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.



**Constantly-Varying Speed**

US Patent - for Chatter-Free Seats!

*Machinedisplayedmayincludeoptionalaccessories*

Cylinder Head Size (in Roll Fixture)	32 x 10 x 6" (812 x 254 x 152 mm)
Spindle Tilt	±15 Degrees
Spindle Diameter	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

**CUTTING INSERTS**



Get more life with Rubi-hard premium inserts with 3-angle cutting, edge honed and sub-zero treated for longer life

*upgrade to Robins*

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Robins SG7.1 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.

## FEATURES

- Spring free tooling
- High precision three angle tooling
- Quick change spherical drive system
- Eliminates bounce springs
- Variable spindle speed
- **NEW**  Constant-Variable-Speed feature
- **NEW** Reverse RPM for tapping

## RECOMMENDED OPTIONS

- 360 degree roll fixture-equal seat depth
- Spring Free Spherical adaptor
- Bubble/electronic level
- Rubi Hard 3-Angle inserts
- Micro Precision Carbide pilots
- Concentricity gauge

## WORKING ACCURACY

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

*upgrade to Robins*

- Seat & guide
- Valve Refacers
- Cyl. Head & Block Surfacing
- Guide Honing



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[www.RobinsMachines.com](http://www.RobinsMachines.com)

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For further enquiries - please contact: "Robins" local Distributors: -

**MHE** Multiherramientas y Equipos

Javier Cantu +52 81 1476 8889 Angel Cantu +52 81 1815 0366

Elias Rodriguez +52 81 1736 7949

+52 (81) 8374-1680 toll free, 01 800 310-10-10

[contacto@multiherramientas.com.mx](mailto:contacto@multiherramientas.com.mx)

Doctor Coss 823 Nte. Colonia Centro, Monterrey, NL Mexico.

[www.multiherramientas.com.mx](http://www.multiherramientas.com.mx)

PERFORMANCE | PRECISION | RELIABILITY | REPEATABILITY | QUALITY

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