

Heavy Duty Cylinder Head Surfacing Machines

ROBINS 'Smart Control' Simple-**M**anual-**A**uto-**R**eliable-**T**uff

RUBI  **SURF**
1.7



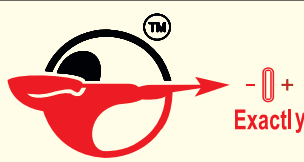
Optional automatic
safety door with covers

SMART SCREEN CONTROLS ;

“Robins” operator friendly Software Specifically developed & designed for RubiSurf SMART Series machines offers productivity increase of 30% to 50%. Also superior finish and Surface flatness. All buttons and switches are eliminated saving operator time in set-ups. Feeding down the spindle shows exact spindle position. Tilt fixture float & clamp, High Precision Dual-Inserts Cutter head - up/down operations are all built in the software. Infinitely variable speed and feed rates can be pre-set.

ROBINS

SINCE 1983



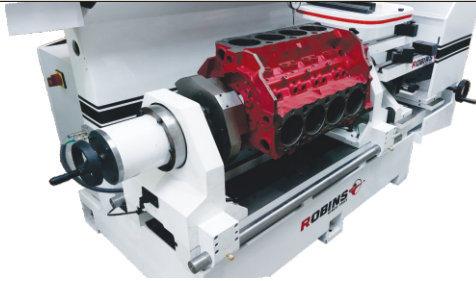
Signature brand

Rubi Surf 1.7

SURFACING MACHINES

Simple - Smart!

Designing & Manufacturing Patented Technologies | US 7 726 919B | US 17879818 | US 17892165



ROBINS...World's First (Patent pending)
 Unique revolutionary concept for V6 & V8 Cyl. Blocks Machining.
****NO Precision Locators needed****
 Reference from either Main Bearing Bores /
 Cam shaft Bores or Pan Rail surfaces !



Aluminium and cast iron cylinder heads



ROBINS... first
 Optional Dual Axis
 Electronic & Bubble level
 (use either one)
 Touch off / levelling
 dial indicator slides
 on linear guideways
 from front to back



Smart series Operator Panel
 display made simple and easy.
CNC Servo Controlled

Calc. Result		
Ra	4.63	µin
Rz	42.83	µin
Rp	24.50	µin
Rv	18.34	µin
Rk	15.47	µin
Rpk	6.77	µin
Rvk	5.79	µin
RProfile		



Surface finish down to 0.5 Ra mm
 Best in the industry

Calc. Result		
Wa	1.66	µin
Wz	12.04	µin
Wt	12.04	µin
WProfile		

SPECIFICATIONS RUBI SURF 1.7

- X-Axis Workhead Travel
- Cylinder Head Length
- Cutter head Diameter
- Spindle Speed
- Workhead feed rate
- Surface Finish
- X-Axis slideways
- Operator panel
- Lubrication

★★ Waviness ★★

42 inches (1065 mm)
34 inches (865 mm)
14.0 inches (356 mm)
200 - 1200 RPM Variable (CNC AC SERVO)
125 to 500 mm/minute infinitely variable (CNC AC SERVO)
As low as 0.5 Ra µmm
Low friction Turcite slideways
RubiSurf Smart Series
Centrally lubricated
Below 100 Wt

ROBINS

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EVERY CUSTOMER SINCE 1983 - IS ROBINS-TESTIMONIAL!