

ROBINS
SINCE 1983



Signature brand

Rubi Surf 1.7

SURFACING MACHINES

Simple - Smart !

NEW DESIGNS BY ROBINS

US 2024 / 0042561 A1 | US 17/892,165

Heavy Duty Cylinder Head Surfacing Machines

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



RUBI  **SURF**
1.7

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.

New Concepts - New Patents - New Innovations ...above all else !

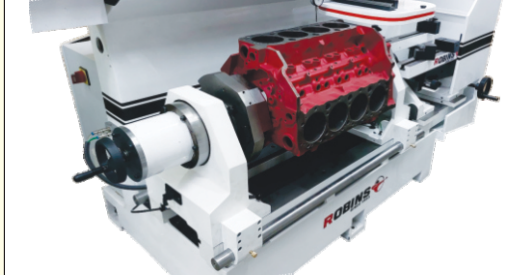


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Simple - Smart !

Designing & Manufacturing Patented Technologies US 2024 / 0042561 A1 | US 17/892,165



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
 Touch off / levelling
 dial indicator slides
 on linear guideways
 from front to back

Optional Dual Axis
 Electronic & Bubble level
 (use either one)



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



Surface finish down to 0.8 Raµm
 Best in the industry

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 ★★

1000 mm
800 mm
350 mm
200 - 1000 RPM Variable (CNC AC SERVO)
125 to 500 mm/minute infinitely variable (CNC AC SERVO)
As low as 0.8 Raµm
Low friction Turcite slideways
RubiSurf Smart Series
Centrally lubricated
Below 100 Wt

42
 Years of
 Legacy

ROBINS

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EVERY CUSTOMER SINCE 1983 - HAS BEEN ROBINS-TESTIMONIAL !