

ROBINS

SINCE 1983

Signature brand



RUBI BORE 1.9 I.C

Cylinder Boring Machines
with
Interchangeable cutter-heads

- Highest Possible Precision
- No Comparison
- The Passion of "New & Better"

NEW DESIGNS BY ROBINS

★ High Speed

★ High Production

★ Traditional Micron Accuracy



RUBI PLATO[®] BORING

*After years of research and trials,
Robins proudly offers:*

New Revolutionary Concept In Cylinder Block Boring

- After rough and fine boring cycles Rubi-Plato cycle produces Rvk, Rk, Rz Rpk, Ra parameters very close to finish honing cycle.
- Rubi-Plato boring eliminates any torn crystals & folded cast iron material left in bore cavities after finish boring cycle.
- Reduces final honing cycle time.
- Eliminates problems related to honing accuracies.
- Eliminates possible metal foldment caused by diamond honing process.
- After Plato boring, Cross-hatch and brush honing complete the desired cylinder wall finish offering consistent Rvk, Rk & Rpk values.



- Touch Button Automated
- Simply float Spindle Head above "cylinder bore"
- Press auto cycle & walk-away !

EVERY CUSTOMER SINCE 1983 - HAS BEEN ROBINS-TESTIMONIAL !

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PLATO - BORING
US PATENT
APPLIED FOR



RUBi PLATO BORING

Saves up to 90% honing time

Step # 1

Plato bore to exact size

Step # 2

**Cross hatch followed by
brush honing.**

"END OF STORY"

Detailed lab tests conducted on four cylinder blocks by World Renowned:
SOUTHWEST RESEARCH INSTITUTE
San Antonio, Texas

Confirms Robins Plato-Boring :

- 1) **Max. Wt** "highest peak to deepest valley for bore #4 is 0.846 microns (0.000025" one twenty-five thousandth of an inch). This is minimal material that would need removing to completely machine away any evidence of this plato-boring operation."

- 2) **"No crystal breakage or metal**

folding or evidence of distortion due to machining (Plato-boring) was observed." Dr. Peter Lee

These tests confirm after plato-boring only cross-hatch followed by brush honing will produce required plateau bore finish.

USA PATENTED

US 2024 / 0042561 A1

SPECIFICATIONS

Boring Range	2.750" - 5.125" (70-130 mm) (with interchangeable cutter heads)
Spindle Vertical Travel	12.625" (320 mm)
Effective Boring Stroke	10.000" (250 mm)
Spindle Head "X" Travel	40" (1016 mm)
Spindle Speed	200 - 1000 RPM Variable
Spindle Feed Rates	(Variable & Infinitely variable)
Electrical	220 Volts Three Phase (50 - 60 Hz.)
Machine Dimensions	95"L X 47"W X 86"H 2413 X 1195 X 2184mm (1900KG)Weight
Shipping Dimensions	84"L X 56"W X 90"H 2134 X 1422 X 2286mm (2100KG)Weight

43
Years of
Legacy

ROBINS



Robins Machines

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