

ROBINS

SINCE 1983

Signature brand



RUBI BORE

1.9 PLATO

Cylinder Boring Machines

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

NEW DESIGNS BY ROBINS

★ High Speed

★ High Production

★ Traditional Micron Accuracy



Rubi Plato boring tool pre-setter & Gold Series Tooling



RUBI PLATO BORING

After years of research and trials, Robins proudly offers:

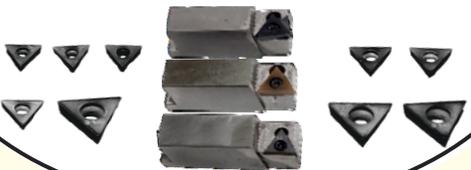
New Revolutionary Concept In Cylinder Block Boring

- 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, light honing followed by Cross-hatch and plateau cycles complete desired cylinder wall finishes offering consistent Rvk , Rk and Rpk values.



RUBI-hard PLUS

Premium Carbide & CBN Inserts



- 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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PlatoBore finish



Special fixture for V Block Cylinder blocks

BENEFITS

- No skills and no CNC training.
- Faster and easier to use.
- Learn to operate Rubi-Bore in less than 30-minutes.
- Makes traditional vertical boring machines obsolete.
- Heavy Duty CNC cylinder boring machine for automotive & diesel engine rebuilders.

KEY FEATURES

- Built-in centering system-covers entire range.
- Heavy Duty clamping system for cyl. blocks.
- Auto-tool index at bottom of bore to prevent tool-drag.
- **Rubi-Super -hard** premium indexable inserts & tooling with direct setting micrometer
- Automated boring cycles
- Auto spindle retract.

Saves up to 90% honing time

- Plato-bore to final hone size.
 - Cross hatch followed by Plateau brush hone for desired valleys (Rvk) & surface finish (Wt)
- ... End of Story !!!

SPECIFICATIONS

Boring Range	2.750" - 4.725" (70-120mm)
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	208-240V, 20A, 50/60Hz, 3 Ph
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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