



Engine Rebuilding Equipment

**Innovation  
Starts *HERE!***

# Cylinder Boring and Milling Machines



## **RMC-1550**

Shown with a Cummins NH block, optional spindle caddy and 3 Axis DRO

*Dedicated to serving your engine rebuilding equipment needs, since 1957*

## RMC Cylinder Boring & Milling Machines ... Fast ... Accurate ... Versatile

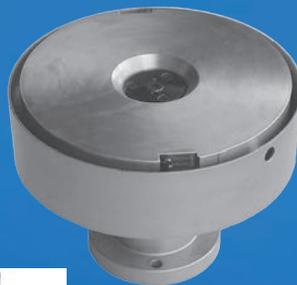
All of RMC's Cylinder Boring and Milling Machines are capable of boring a cylinder or decking a block surface in less than 60 seconds. RMC's unique electronic centering of cylinder bores makes for very quick and easy setups. Accuracy can be maintained to within .00025" thanks to the heavy weight cast iron construction of the machines. Virtually anything that can be secured to the machine's table can be machined - specialty machining is limited only by your imagination.



RMC Boring Mills have easy to read and use **control panels** as shown to the left with **RMC's exclusive digital bore centering display** on top. Also pictured is the optional 3-axis linear scale with digital read out below the control panel. To the right is a close up of RMC's adjustment for bore center which is faster than ever with RMC's digital bore centering feature.



RMC's heavy duty 14" milling head with CBN and PCD inserts (pictured below) makes short work of decking just about any cylinder head or block with the type of superior finish today's engine rebuilders demand!



**Versatility is the key** - RMC's head fixture can be installed and used without removing the block true fixture (optional equipment). With this combination, just about anything can be secured to the table for a multitude of machining operations!

### Optional Equipment Available

- R-8, Morse taper #3, CAT 40 spindles for multiple machining applications
- Boring spindles ranging from 1.50" - 12.6" (15.75" on larger models)
- V-block blue printing fixture, indexing from crank to camshaft center
- Heavy duty V-block truing fixture with 30 - 45° triangular support
- Spindle caddy, swing support for 1 milling spindle & 2 boring spindles
- Lifter bore tooling kit option
- 3-axis linear scale with digital readout - accuracy +- .00025"
- 3 axis linear scale w/special DRO and probe option



**RMC boring spindles** offer a wide range of capacities to handle virtually any automotive and/or diesel applications in today's market.



**RMC's heavy duty spindle caddy system** allows for faster setups and change over from boring to milling as well as providing convenient storage for three spindles.

**RMC's block truing fixture** offers quick, easy and accurate setup for performance block machining. The fixture maintains crankshaft to camshaft relationship for correct alignment of all machined surfaces.



**More versatility!** RMC's Cylinder Boring Mills various fixtures attach quickly and easily to either the RMC 1000 or RMC 1550. They offer very cost effective method of boring and milling without the expensive cost of stand alone machines. Shown here with a Cummins NH block, the RMC-1550 Boring Mill can easily handle diesel blocks as large as the D8 Caterpillar.



## RMC Cylinder Boring & Milling Machines .. Accurate .. Versatile

The combined capabilities of boring and milling provided by all **RMC Cylinder Boring Machines** maximizes the use of your time and shop floor space. Change over from boring to milling is quick and easy. Speed and accuracy is enhanced by performing multiple operations with just one setup. RMC's exclusive linear bearing tableways produce dependable, accurate and repeatable performance.

| Specifications                      | RMC-1000        | RMC-1550        |
|-------------------------------------|-----------------|-----------------|
| Boring range with standard spindles | 2.16 - 7.00"    | 2.16 - 7.00"    |
| Boring range with optional spindles | 1.50 - 10.24"   | 1.50 - 12.60"   |
| Maximum boring depth                | 19.70"          | 28.15"          |
| Maximum vertical head travel        | 32.68"          | 36.62"          |
| Max spindle center to column guide  | <b>17.00"</b>   | 14.57"          |
| Useful dimensions of table          | 47.25 x 15.75"  | 61 x 19.8"      |
| <b>Table traverse</b>               | <b>46.00"</b>   | <b>60.50"</b>   |
| <b>Y-Axis Travel</b>                | <b>7.30"</b>    | <b>10.00"</b>   |
| Maximum milling height              | 34.00"          | 50.00"          |
| Maximum milling width               | 14.00"          | 15.80"          |
| Variable spindle speeds (rpm)       | 100 - 1,000     | 100 - 1,000     |
| Automatic head feeds (inches/rev)   | .0035 - .007    | .002 - .010 var |
| Automatic table feeds (in/min) var  | 0 - 12"         | 0 - 10"         |
| Power column feed                   | 23.62 in/min.   | 23.62 in/min.   |
| Main spindle rotation motor         | 2.50 hp         | 3.70 hp         |
| Power column motor                  | 0.50 hp         | 0.50 hp         |
| Table traverse motor                | 1.00 hp         | 1.00 hp         |
| Tool grinding motor                 | 0.34 hp         | 0.34 hp         |
| Width & depth                       | 71 x 47"        | 83.5 x 57"      |
| Workspace required (w x d x h)      | 109 x 49 x 101" | 144 x 59 x 107" |
| Approximate net weight              | 3,520 lbs       | 5,290 lbs       |
| Approximate shipping weight         | 4,180 lbs       | 6,000 lbs       |
| Shipping box size                   | 62 x 52 x 91"   | 70 x 62 x 105"  |
| Electrical requirements             | 220v 3ph        | 220v 3ph        |



**Standard equipment package** for RMC-1550 machine includes everything you need to machine most standard sized blocks and heads.

### Standard Equipment Package

- 1 Boring spindle - 3.47" - 7.00" range
- Universal rolover fixture for V-blocks and heads
- Milling head with CBN tools 14" diameter
- Set of 4" & 12" parallel supports with T-bolts (1550)
- Set of 4" & 8" parallel supports with T-bolts (1000)
- Depth control measuring device with dial indicator
- Dial indicator mounted in head for centering
- Electronic centering device

**RMC**  
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