



Engine Rebuilding Equipment, Inc.

5775 Bridgeview Center

Saginaw, Mi 48604

Web Site: www.rmcequipment.com

USA & Canada

Phone

Fax

(800) 248-5062

(989) 754-3611

(989) 754-1696



Cylinder Boring and Milling Machines



RMC-1550

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

Dedicated to serving your engine rebuilding equipment needs.

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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.



Both Boring Mill models have easy to read and use **control panels** (as shown to the right) with **RMC's exclusive digital bore centering display** on top. Also pictured below, is RMC's optionally available 3-axis linear scale with digital read out.

The RMC 1000 has an easy to read and use **control panel** which is 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 to the right of the control panel. In the photo to the right, adjusting for bore center 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!

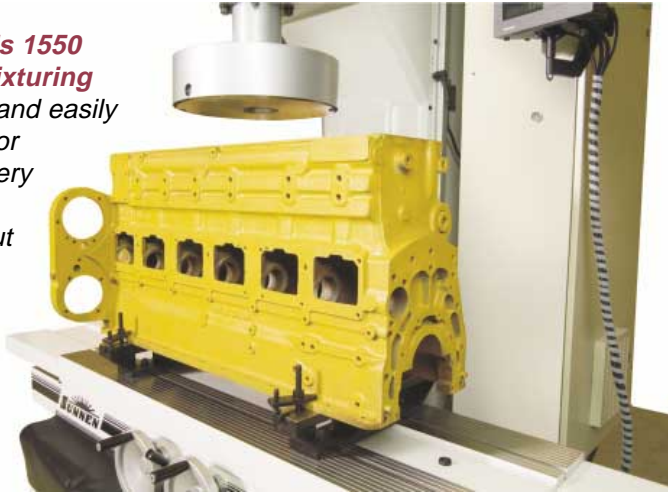


Versatility is the key - RMC's head fixture can be installed and used without removing all of the block true fixture (optional equipment). With this combination, just about anything can be secured to the table for a multitude of machining operations!



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

More versatility! RMC's 1550 Cylinder Boring Mills fixturing systems attach quickly and easily to either the RMC 1000 or RMC 1550 and offer a 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 a D8 Caterpillar.



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.

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'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.



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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	17.00"	14.57"
Useful dimensions of table	47.25 x 15.75"	61 x 19.8"
Table traverse	46.00"	60.50"
Y-Axis Travel	7.30"	8.00"
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 both machines includes everything you need to machine many 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

In order to bring you the most advanced features as soon as possible, all features, descriptions and technical specifications are subject to change.



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