

RMC Engine Rebuilding Equipment

2013 Product Catalog

- * Over 52 Years Dedicated to the Engine Rebuilding Industry
- * Experienced personal customer service
- * Always innovating not copying
- * Guaranteed turn key packages
- * Distributing the industry Best-
Robbi, Milltronics, Nikken, Marposs, Big Kaiser
- * Custom fixturing and application specialists
- * Honest Business, Fair Pricing, Quality Products



RMC V30 CNC
(CNC Block Machining)

RMC LB7000
(Precision Main
& Cam Align Boring)



RMC V40HP CNC
(CNC 5 axis Head Porting)

RMC V120 CNC
(CNC Large Industrial Machining)



**Industries 1st Turn Key
CNC with 32 place Tool
Changer & Automatic
Rotary Setup Capable
of Rotating a 4200lb
3516 Cat Block**



www.rmceengine.com

(800) 248-5062

Welcome to RMC

Celebrating 56 years of Service to the Engine Rebuilding Industry

1957 - 2013



Providing engine rebuilding equipment to the automotive, diesel truck and high performance racing industries since 1957, **RMC** recently celebrated its 50th year in business and experience in offering a wide variety of engine rebuilding machines designed to provide the performance, productivity and accuracy you need at a price you can truly afford. We also know that the service and support of your equipment is extremely important. That's why **RMC** maintains a staff of highly trained, experienced technicians to help solve any problems or questions you may have with your equipment. **RMC** knows that the overall success and operation of your shop is dependant upon prompt and professional service and repair.

Setup and training:

Making the decision to purchase is the first step to a successful shop operation. Proper setup of the equipment and training for you and your staff on each piece of equipment you buy is essential to get your operation up and running as fast as possible and with a minimum of hassles. Once we've accomplished that remember, additional help is only a phone call away at 1 (800) 248-5062.

Spare Parts, Shop Supplies - consumables:

RMC stocks a wide range of repair and replacement parts for all of the machines we sell. If for some reason we don't have an item in stock, we can expedite the shipment of just about any repair parts from our factories in Italy and Denmark if necessary. **RMC** stocks a complete selection of supplies for all your **RMC** machine needs. Additionally, **RMC** can provide shop supplies from K-Line, Silver Seal and others. Make us your one stop shopping center for your shops parts and supply needs.

RMC Web Site:

Because we are constantly striving to improve our product line, keeping up with the latest product improvements and technical specifications can be difficult and time consuming. That's why **RMC** maintains a web site at www.rmceengine.com for the internet. Here you will find the latest product information and technical specifications on our entire product line. Check out our web site and let us know what you think of it. Your comments and suggestions will help make visiting our website a worthwhile adventure!

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V20M Engine Machining Centers

RMC-V20M

Shown with optional
Block True Fixture



The V20M Machining Center has handwheels for all axes. They offer manual machining capabilities for those who still want to "feel" the cutting process ...



RMC's Air Float Cylinder Head Fixture is another option that quickly turns the V20M Machining Center into a full function valve seat and guide machine.

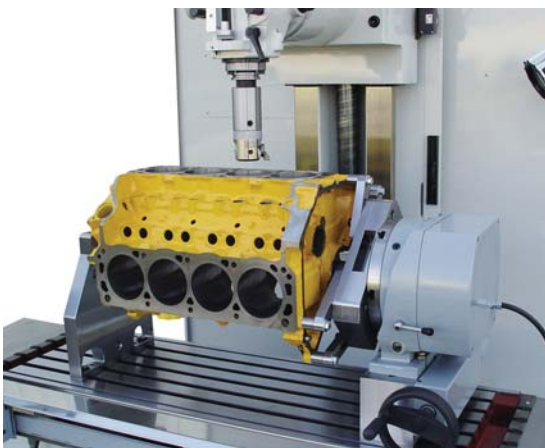


The easy to read mobile control panel includes a full array of operator controls as well as a built in DRO that is probe & 4 axis operation ready.



RMC's Cylinder Head Fixture is another versatile system that allows the precise machining of cylinder heads that meets and in almost all cases exceeds OEM surface finish requirements and specifications.

The LB7000 Line Boring System installs easily and enhances the V20M's capabilities to include accurate and efficient Line Boring operations. The LB7000 makes it easy to repair main saddles, bore front and rear mains without changing setup, bore cam tunnels, replace main caps and even install aftermarket caps.



RMC's 360° Manual Engine Block Machining Fixture is an accurate and versatile system that allows machining at precise angles which can be read from the mobile control panel.

Specifications	V20M	
Milling width	(maximum)	10"
Boring range	(various tooling)	0.98" - 6.0"
Max boring depth (various tooling)		10.43"
Table traverse/cross traverse	(X / Y axis)	40.0 / 16.8"
Vertical head travel	(Z axis)	25.5"
Quill travel		6.0"
Head swivel		± 90°
Spindle nose to table height	(min / max)	10.8" / 36.5"
Spindle center to column		21.0"
Rapid traverse	(X, Y & Z-axis)	82 ipm
Feed rate all axes		0.6 - 40 ipm
Accuracy:	Positioning	± .0003"
	Repeatability	± .0002"
Table size	(l x w)	54.0" x 16.0"
Max weight on table		2,000 lbs
Main spindle motor	(AC inverter drive)	7.5 hp
Spindle speed infinity variable	low range	20 - 600 rpm
Spindle speed infinity variable	high range	200 - 5,000 rpm
Spindle taper		C40
Net weight (without fixturing)		7,000 lbs
Work space required	(w x d x h)	114 x 77 x 114"

V30 CNC Engine Machining Centers



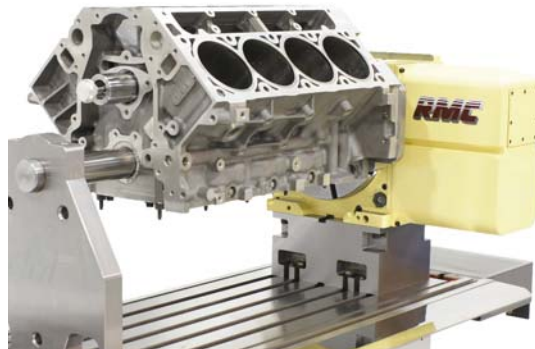
Easy to read and easy to use control panels on the V30 include a full color LCD monitor and key pads on a mobile stand.

The V30's optional 5 place tool changer allows continuous machining cycles without pausing to change tools between operations.

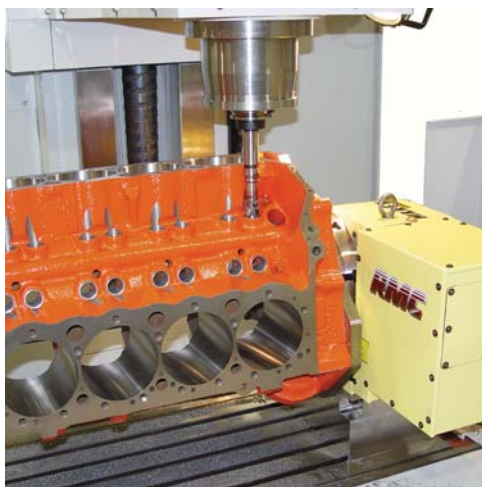


RMC V30cnc shown with optional hoist and automatic tool changer

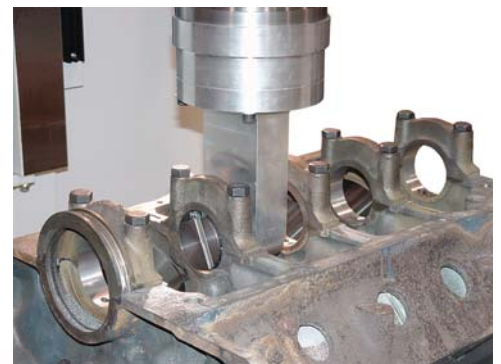
Specifications	V30cnc	
Boring range	(various tooling)	0.98" - 6.0"
Max boring depth (various tooling)		10.43"
Table traverse (X-axis)		40"
Cross traverse (Y-axis)		20"
Vertical head travel (Z-axis)		24"
Spindle nose to table height		35"
Spindle center to column		21.5"
Rapid traverse (X-Y axis)		500 ipm
	(Z-axis)	300 ipm
Feed rate range		0.1 - 300 ipm
Accuracy:	Positioning	± .0003"
	Repeatability	± .0002"
Table size (l x w)		54 x 16"
Maximum weight on table		2,000 lbs
Spindle motor (intermittent/constant)		18/12 hp
Spindle speed rpm		50 - 8,000 rpm
Spindle taper		Cat 40
Net weight (without fixtures)		8,000 lbs
Work space (w x d x h)		84 x 84 x 129"



360° 4th Axis Rotary Table and block holding fixture allows specific angle positioning of the block for lifter bore machining, splayed caps, block lightening and a variety of other 4th axis operations.



RMC's Line Boring option allows fast and accurate line boring operations. The line boring is so accurate and with such a fine finish that line honing afterwards is not needed.



All V Series machines can utilize the optional lifterbore operations tooling package. This outstanding feature allows complete and accurate lifterboring operations from rough cutting to finish boring all at the push of a button ...



RMC's digital probe option is a one step process for pre-machining block checking of bore diameters, locations and deck heights. Measurements will appear on screen for operator verification and data storage for use during various machining operations.

V40 CNC Engine Machining Centers

V40

RMC V Series Engine Machining Centers



RMC's Production Fixturing System provides the V40cnc machine with unmatched cycle times - mount, probe, bore, deck and dismount V-6 block's in 8 minutes. Cycle V-8 block's floor to floor in 10 minutes.

Specifications V40cnc

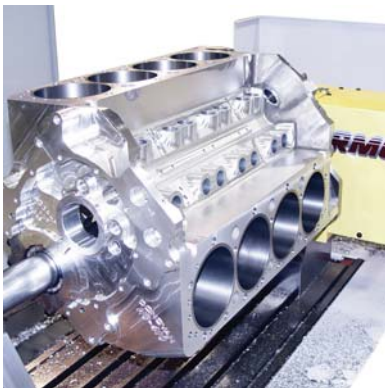
Boring range (various tooling)	0.98" - 6.00"
Max boring (various tooling)	10.43"
Table traverse (X-axis)	40"
Cross traverse (Y-axis)	20"
Vertical head travel (Z-axis)	26"
Spindle nose to table height	35"
Spindle center to column	21.5"
Rapid traverse (X-Y-Z axis)	1,000 ipm
Feed rate range	0.1 - 800 ipm
Accuracy: Positioning	± .0002"
Repeatability	± .00015"
Table size (l x w)	45 x 20"
Max weight on table	2,000 lbs
Main spindle motor (Interm/Const)	24/15
Spindle speed - rpm low speed	50 - 8000
Spindle taper	Cat 40
Net weight	11,000 lbs
Work space required (wxdxh)	112x110x120"



Easy to read and even easier to use control panel is conveniently located on the V40 and includes a full color LCD monitor and key pads.



The V40 comes with a 16 position tool changer, optionally, a 24 place tool changer is available.



The Performance 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



RMC-V40HP Head Porting System

Convert your V40 to a V40HP Head Porting System ... with RMC's entry level Head Porting System. It combines RMC's existing Porting System experience, fixtures, tooling and programming into the V40 Machine Centers. Check out the V40HP Head Porting Brochure for more information.

V40HP and V50HP Head Porting System

Packaged Precision ... For Fast and Efficient Head Porting ...

The technologically advanced RMC V50HP has taken CNC head porting to a new level of precision and efficiency. Its true simultaneous 5-axis, PC based CNC control handles all your precision head porting needs. Until the V50HP's introduction, professionals looking for CNC head porting solutions had to buy expensive products from three or four different suppliers, then hope someone could put it all together for them. Today we've combined our popular CNC Engine Machining Centers with:

- » High accuracy Nikken rotaries
- » High speed machining with ultimate rigidity
- » RMC head porting fixturing systems
- » Create finished head from raw casting

And it all adds up to "one" ... "one" supplier that makes your job easier by offering a time tested and well proven system with more precision and dependability than ever before.

True CNC Machining: The V50HP uses industry standard CNC programming language (G-code) and conversational programming as compared to other proprietary programs some suppliers use that severely limit machine versatility.

Nikken Rotary Tables: These industry standard workhorses meet the highly accurate head positioning requirements of the machining operations needed for professional head porting. Combined with RMC's heavy duty head holding fixture, you have the ability to create a finished head from a raw casting.

Rapid Traverse: 1000 ipm traverse speed with look ahead and high speed machining memory is 4 times faster moving from position to position, greatly increasing efficiency and production rates.

Hardware and software Integration: Software packages include cad cam and digital scanning (for off line digitizing) are integrated

into RMC's system. Using specific packages with our hardware, fixturing and tooling insures the success of each individual piece within this complex puzzle.

Heavy-Duty Rigid Spindle: 5.7" rigid spindle cartridge with exclusive 70 mm spindle bearings provides maximum stability for deep runner porting.

Self-Contained Automatic Rigid Tapping Capability: Increases productivity and doesn't require special or expensive tapping heads.

Infinitely Variable High Speed Spindle: 50-8000 rpm spindle speed allows optimum finishes on various materials like cast iron, aluminum and compacted graphite. A 12,000 rpm spindle is an available option.

24 Position Automatic Tool Changer: After setup, the V50HP can run many operations unattended allowing the operator to do other jobs for increased shop efficiency.



V50HP Head Porting System

Powerful 24/15 HP Main Spindle Motor: Constant torque inverter ensures superior cutting consistency at any speed.

Digital Probe Option: A must option unique to engine building, combined with CNC controls makes the V50HP a stand-out in the industry. The digital probe acts as an automated coordinate measuring device, eliminating many tedious and time-consuming manual measurements.

Cat 40 Taper Tooling: Unlike competitive machines, the V50HP uses industry standard, readily available Cat 40 tooling, which makes "tooling up" for special jobs much easier.

Full metal enclosure with safety doors retains work chips to maintain a cleaner work area. The normally optional chip auger has been included as part of the head porting package's standard equipment.

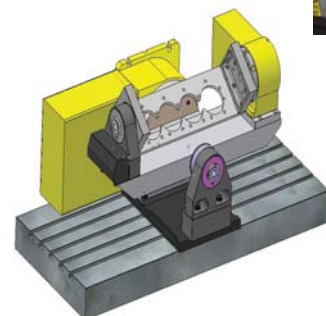


Highly accurate Nikken Rotary Tables – make the system's accuracy and repeatability far superior.

Superior through spindle coolant option – allows the system to remove material at exceptionally fast rates through the machining process.



These heavy duty rotary tables combined with RMC's (patent pending) fixturing – meets the needs of today's serious head porting operators, from one dependable supplier, at a remarkably new entry level price.



Specifications		V40HP	V50HP
Main Rotary Table	A Axis	360°	360°
Tilting Rotary Table	B Axis	±32°	±40°
Tool Changer		16 pocket	24 pocket
Tool Changer	(Optional)	24 pocket	32/40 pocket
Table traverse	(X-axis)	40"	50"
Cross traverse	(Y-axis)	20"	24"
Vertical head travel (Z-axis)		26"	24"
Spindle nose to table height		35."	34.25"
Spindle center to column		21.5"	25"
Rapid traverse	(X-Y-Z axis)	1,000 ipm	1,000 ipm
Feed rate range		0.1 - 800 ipm	0.1 - 500 ipm
Accuracy:	Positioning	± .0002"	± .0002"
	Repeatability	± .00015"	± .00015"
Table size (l x w)		45 x 20"	56 x 24"
Max weight on table		2,000 lbs	3,500 lbs
Main spindle motor (intermit/constant)		24/15 hp	24/15 hp
Main spindle motor	(optional)	35/25 hp	35/25 hp
Spindle speed		50-8,000 rpm	50-8,000 rpm
High speed spindle	(optional)	100-15K rpm	100-15K rpm
Spindle taper		Cat 40	Cat 40
Net weight		11,000 lbs	25,000 lbs
Work space required (wxdxh)		112x110x120"	144x136x129"

V80/120 Industrial Machining Systems

RMC's Industrial Machining Systems are true CNC Machining Centers offering unsurpassed performance and reliability, just what your shop needs to compete in today's heavy duty engine rebuilding market. The speed, versatility and accuracy of the V120 can give you the competitive advantage you need in today's challenging market.



Uses industry
standard
CAT50 Tooling

V120 Industrial Machining Center



Block Milling operations can be accomplished using the same setup and fixturing as the cylinder boring applications.

The operator can easily ... complete all reman. machining applications with confidence and unbeatable repeatability and speed, with the optional 32 place automatic tool changer.



Specifications	V80cnc	V120cnc
Boring range (various tooling)	0.98 - 15"	0.98 - 15"
Max boring depth (various tooling)	16"	16"
X, Y & Z Traverse	78 x 33 x 28"	120 x 35 x 30"
Spindle nose to table height 48"	54"	34"
Spindle center to column	34"	34"
Rapid traverse (X-Y & Z axis) 0-300 ipm	400 ipm	0-300 ipm
Feed rate range	0-300 ipm	0-300 ipm
Accuracy: Positioning	± .0004"	± .0004"
Repeatability	± .0002"	± .0002"
Table size (l x w)	86 x 32"	126 x 32"
Max weight on table	3,500 lbs	5,000 lbs
Main spindle motor vector drive	24/15 hp	24/15 hp
Spindle taper	Cat 50	Cat 50
Spindle speed in rpm	40 - 4,000	50 - 4,000 rpm
Floor space requirements	222 x 130 x 140"	302 x 110 x 140"
Net weight	16,000 lbs	42,600 lbs
Electrical	230 volt 3 phase	230 volt 3 phase

With the optional wireless probe ... bore locations bore sizes, deck heights and profiles can be obtained (and stored for later use) prior to any machine work being performed.



Don't let your machine limit your shop's capabilities ... with a true CNC Machining Center, many auxiliary operations can be performed to make these machines a true profit center!

Industrial grade 90° boring heads ... result in superior accuracy and precision in Line Boring of main bores with RMC's optional Heavy Duty Line Boring System.

Standard Features

Cat 50 Taper, 4,000rpm, 24/15 hp spindle motor
Rigid ways & fixed head design
Ultra bright, active matrix display
Heavy duty spindle with (5) 90mm diam. bearings
24hp Wye/Delta 2 speed spindle motor
50mm Diam./ double nut table ball screw
Probe ready with macros
PC based, menu driven, conversational programming
AC digital servos 2300lb XYZ axes
Rigid tapping and spindle orientation
Heavy duty steel way covers & chip pans
Coolant system with chip wash down
Portable media drive for program transfer
230 volt 3 phase 60 hz
Setup and operator training by RMC technician

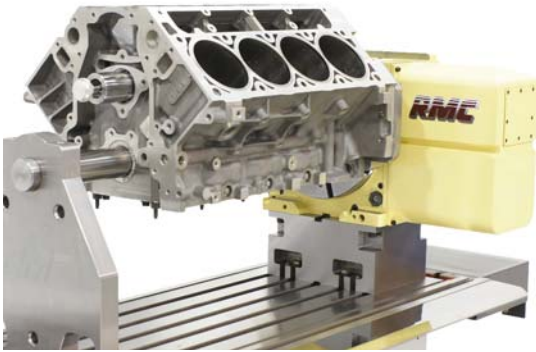
V120 Industrial
Machining Center



RMC's CNC Fixturing and Tooling for Engine Building Solutions

RMC Engine Component Machining Centers ...

We've applied RMC's 50 years of experience and engineering in the engine rebuilding equipment industry throughout our entire V series of CNC machines. When combined with RMC's fixturing, tooling systems and programming specifically designed for engine building/rebuilding, you can pretty much sit back and enjoy the results! Inverter drive spindles, ball screws with servo feed motors on all axis, linear ball rails with metal guards, chip guards and boom hoists have all been incorporated into the design. 360° rotary fixtures, wireless probe systems, tooling packages and a wide range of software programming for specific applications means you are up and running quickly. Not only can you handle all the requirements of engine component machining, you can perform the wide variety of other conventional CNC machining operations as well.



RMC's 360° 4th Axis Rotary block fixture allows specific angle positioning of the block for lifter bore machining, splayed caps, block lightening and other 4th axis operations.



RMC's digital probe option, is a one step process for premachining block checking such as bore diameter and location and deck heights. Measurements will appear on screen for operator verification.



RMC's Head Fixture allows you to turn your V Series block machining Center into a high quality head resurfacer by purchasing RMC's universal cylinder machining fixture.



The LB7000 Portable Line Bore System provides full line boring capabilities at a fraction of the cost of dedicated machines. It installs on all of RMC's V Series Machine Centers and most bridge-port style mills as well.



The V20M Manual Machine Center
A versatile and competitively positioned manual machine shown here with the optional Block True Fixture.

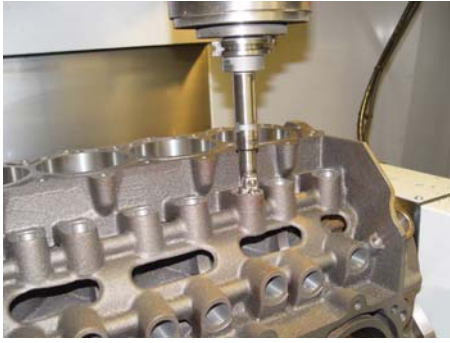


The V30cnc Machine Center
RMC's most popular CNC machine is shown here with the optional 4th axis rotary fixture.



The V40cnc Machine Center
Another popular machining center, the V40 comes with a 16 position tool changer. It is a great addition to any high production shop.

RMC's CNC Fixturing and Tooling for Engine Building Solutions



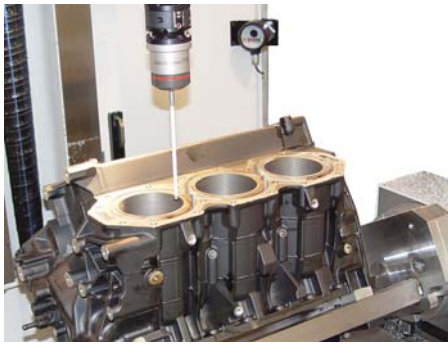
RMC's Lifterbore Tooling Package allows for complete and accurate lifter bore machining.



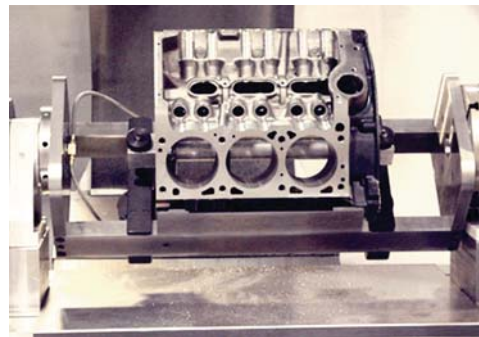
RMC's Line bore Tooling Package ... you can eliminate another machine (and it's floor space requirements with the RMC's optionally available Line Boring Package.



RMC's Shell Mill Tooling allows use of RMC's shell mill option to perform a variety of regular machining operations



RMC's Marine block fixture ... here's another example of the versatility of these V Series Machining Centers, RMC's Marine block fixture allows machining of numerous marine blocks.



RMC's Production Fixture provides these machines with unmatched cycle times - mount, probe, deck and dismount V-6 blocks in 8 minutes. Cycle V-8 blocks floor to floor in 10 minutes.



RMC's Logo Engraving Tooling Package



RMC's Block Lightening Tooling Package



The V50HP Head Porting System

This head porting machine center sets the standard in the industry. The V50HP combines RMC's 50 year experience with top quality CAD Software, Nikken Rotary Tables and much more to bring you the complete package.



V120cnc Machine Center

RMC's largest machining center, the V120 is the ideal choice for the largest of large diesel shops.

Surface Milling Machines

RMC Surface Mills provide heavy duty, rigid cast iron construction that is capable of meeting the demands of today's CBN milling. Powerful wheelhead motors coupled to preloaded dedicated spindle shafts with variable speed insures long lasting and accurate milling and grinding. Both models are equipped with power column and infinitely variable ball screw table traverse and an automatic cycle feature. Larger surfacing machines with up to 125" capacity are available via special order.

Specifications	RMC-10VB
Max milling width	14"
Table traverse	42.37"
Max height over table	21"
Wheelhead speeds (Variable)	0-1700 rpm
Infinite variable table travel	0-190" per min
Distance column to center table	11.5"
Main spindle motor	5.5 HP
Workspace required	131 x 46"
Overall dimension (l x w x h)	88 x 39 x 73"
Shipping weight	2,975 lbs

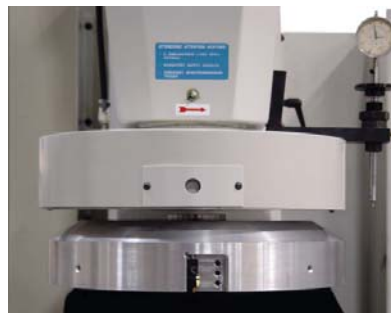
RMC-10VB



RMC 10VB Standard and (Optional) Equipment

- × 14" Milling head with CBN for cast iron & PCD for aluminum
- × Auto cycle - stops table & wheelhead after milling operation, then Positions insert to front and returns to start without lifting head.
- × Fast setup indicator system for blocks and heads
- × One pair (4" high) parallel supports
- Ø Rollover fixture - V-Blocks to 28" Heads to 31" (optional)
- Ø Digital readout system for stock removal (optional)
- Ø Block true fixture - bore/deck w/cam/crank indexing (optional)
- Ø Shell Mill 4" with adapter (optional)
- Ø Wet Grinding w/10 segments & coolant system (optional)

RMC CBN Milling heads are made of solid aluminum plates that are designed to meet and exceed today's OEM surfacing standards with maximum stock removal and finish consistency.



The table traverse on these new RMC Milling Machines is supplied by a heavy duty servo driven ball screw system which is shown here with the protective covers removed. Exclusive bed way lubrication patterns ensure consistent finishes even at low feed rates.

RMC-12VB
Surface Mill



Specifications	RMC-12VB
Milling length x width	47.25" x 15.75"
Table traverse	54"
Max height over table	29.5"
Wheelhead speeds	0-1700 rpm
Infinite variable hyd table travel	0-196" per minute
Distance column to center table	12.2"
Main spindle motor	7.5 HP
Overall dimension (l x w x h)	118 x 54 x 81"
Workspace required	172 x 54"
Net / Shipping weight	3,300 / 3,750 lbs

RMC 12VB Standard and (Optional) Equipment

- × 16" Milling head with CBN for cast iron & PCD for aluminum
- × Auto cycle - stops table and wheelhead after milling, then positions insert to front and returns to start position
- × Fast setup indicator system for blocks and heads
- × One pair (8" high) parallel supports
- Ø Rollover fixture - V-Blocks to 28" Heads to 31" (optional)
- Ø Digital readout system for stock removal (optional)
- Ø Block true fixture - bore/deck w/cam/crank indexing (optional)
- Ø Shell Mill 4" with adapter (optional)
- Ø Parallel Supports 4" high (optional)
- Ø Wet Grinding w/10 segments & coolant system (optional)

Cylinder Boring and Milling Machines

RMC's Cylinder Boring and Milling Machine is 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 rigid cast iron construction and linear rails of the machines. Virtually anything that can be secured to the machine's table can be machined.



RMC-1550 Boring Mill with electronic centering

Specifications		RMC-1550
Boring range	w/optional equip	1.50" - 12.6"
Boring depth	maximum	28.15"
Vertical head travel	maximum	36.62"
Spindle center to column guides		14.57"
Table work area	(l x w)	61"x 19.8"
Table traverse		60.50"
Table cross traverse		10.0"
Max milling capacity	at 8" width	56.5"
Spindle speeds	RPM variable	100 - 1,000
Head feeds	(inches/rev)	.002 -.010 variable
Table feed speeds	(inches/min)	0" - 10"
Spindle rotation motor		3.7 hp
Work space	(w x d x h)	144 x 59 x 107"
Net/Shipping weight (approx)	lbs)	5,290 / 6,000 lbs.
Electrical requirements		220 volt 3 phase



RMC's exclusive electronic bore centering device is located on top of the control panel. Pictured left is the centering probe that is used to automatically find the bore center.



RMC-1550 Boring Mill



RMC's 16" Milling Head System makes quick work of many diesel blocks fine deck resurfacing, there is also a 20" Milling Head available as an option.



Standard Equipment Package

Standard equipment package
Boring spindle - 3.47 - 7.00" (depth 18.12")
16"CBN milling head - CBN for cast iron, PCD for aluminum
Universal rollover fixture for v-blocks and heads
Two sets of parallel supports - 4" and 12" high with T-bolts
One dial indicator mounted in head for centering
Depth control measuring device with dial indicator

Crankshaft Grinding Machines

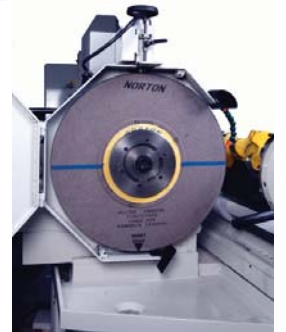
RMC Crankshaft Grinding machines offer state of the art technology to utilize one of the quickest, most efficient crankshaft setup system available. High performance rebuilders will appreciate the ability to modify the existing stroke with the utmost accuracy and repeatability. Machines with up to 235" capacity are available.

RMC 1500
Crankgrinder

Specification	RMC1200	RMC 1500
Distance between centers	52"	61"
Distance between chucks	50"	60"
Height of centers over table	8.6"	9.8"
Swing over table	17.3"	19.7"
Max offset of centers	3.1"	4"
Max grinding diameter	7.1"	8"
Hyd table traverse (min.)	118"	118"
Grinding wheel speeds (rpm)	1,000-1,150	900-1000
Grinding wheel diameter	24"	28"
Max width of grinding wheel	2.5"	2.75"
Chuck holding diameter	8.6"	8.6"
Workhead rotation	35-70 rpm	20-30-40-60
Max weight on centers/rests	265 / 660 lbs	440 / 1100 lbs
Wheelhead motor	5 hp	7 hp
Length x width x Height	129 x 61 x 53"	153 x 66 x 59"
Workspace required	181 x 59"	219 x 55"
Approx net / ship weight (lbs)	6,173 / 7,276	7,275 / 8,378



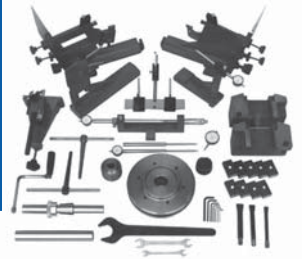
RMC's grinding system (shown with the guard removed) utilizes a heavy duty spindle assembly. Combined with the proper coolant flow over the work piece, prevents wheel loading and poor grinding results.



Massive Head and Tail Stocks feature RMC's unique face plate system with positive stop and trim adjustment to make short work of setup time.

Standard Equipment

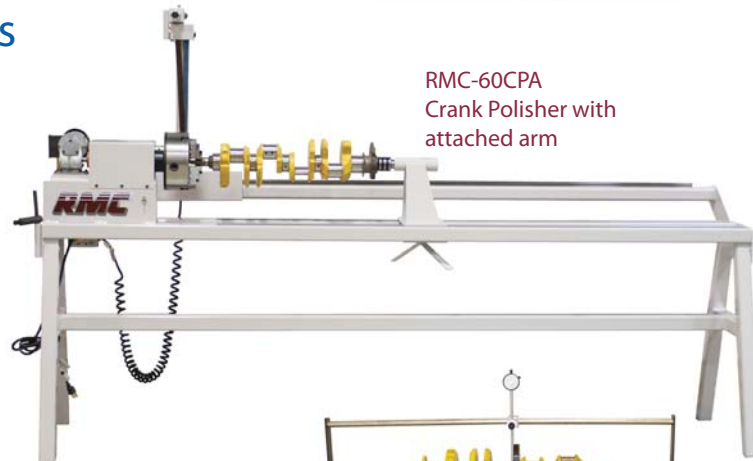
24 Volt control panel with safety stop push-button
Narrow lightweight steadyrest with dial indicator
Dresser with diamond for face, side and radius
Device for measuring and setting length of stroke
Throw setting device with dial indicator
Set up device with indicator
1 Grinding wheel hubs with balancing arbor
1 Grinding wheel 3/4"



Crankshaft Polishers and Presses

Specifications	36 CP	60 CP
Polishing cap	16" diam.	16" diam.
Belt size	64" (77" w/CPA's)	64" (77" w/CPA's)
3 Jaw chuck	6"	8"
Gear motor	43 rpm	29 rpm
Polishing motor	1/2 hp - 10000 rpm	1/2 hp - 10000 rpm
Floor space	26 x 56"	26 x 97"
Net weight	225 lbs (300 w/CPA's)	300 lbs (375 w/CPA's)

RMC-60CPA
Crank Polisher with
attached arm



RMC-48CSP
Crank Straightening Press



8 Ton Press

Specifications	48CSP	72CSP
Max capacity	48"	72"
Press size	8 Ton	8 ton
V-blocks	2	2
Dial indicator	2" face 10" stem	Same
Journal cap	5"	5"
Floor space	26 x 48"	26 x 72"
Net weight	600 lbs	675 lbs



RMC-48CSP
Crank Straightening Press

Align Bore, Portable Line Bore and Con-Rod Boring

RMC Align Boring Machines are designed for precision. The cast iron base provides stability for precise boring. Easy to use, the direct tool setting capabilities minimize operator error. The 4 way adjustment of the boring head and columns simplifies setup while the gear driven, variable speed, bidirectional feed rotation capabilities provide chatter free boring.

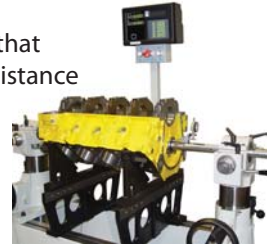


RMC-2000

Specifications	RMC-2000	RMC-2002
Max length between columns	72"	98"
Boring diam. w/bars & tool collars	0.9 - 6.3"	1.25 - 7.80"
Maximum spindle travel	17"	17"
Space requirements (l x w x h)	130 x 26 x 55"	157 x 26 x 55"
Shipping weight	3,300/3,970 lbs	3,750/4,520 lbs
Electrical requirements	220v 3 phase	220v 3 phase

New 2 Axis Digital Read Out

Introducing the optional 2 axis Digital Readout that provides a new and unique way to control the distance between Cam and Crank Center line.



Standard Equipment for Align Borers

Electronic variable spindle rotation
2 sets of parallel supports w/set of 4 clamps
2 Centering devices with dial indicators

0-600 rpm w/direct digital readout
Steady rests w/offset support bearing
1 Tool setting micrometer

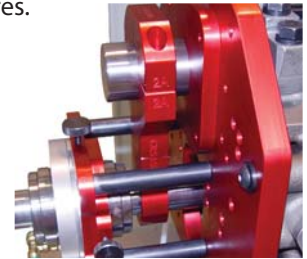
RMC Portable Line Boring System

RMC's Line Bore Tooling Package ... Modular by design, the LB7000 meets your specific needs while providing full line bore capability at a fraction of the cost. Designed to accommodate the most popular engine models, the system includes adaptor plates for boring mains and cambores in large and small block Chevy, Chrysler and Ford V8's as well as GM 90*



and Ford SVO V6 blocks. The plates attach directly to the block providing a "mated" association with the work and the tooling. This insures a stable setup and allows complete access to all bearing housing bores.

Specifications	LB7000
Boring capacity with std equipment	1.62 - 3.50"
Boring capacity with opt equipment	Unlimited
Work length cap with std equipment	30"
Work length cap with opt equipment	60"-unlimited
Electrical requirements	115 volt
Air Supply	100 psi



Patented system for aligning & clamping holds adjustments without the "shifting" associated with some conventionally available methods.

Con-Rod Boring Machines

RMC Con-Rod Boring Machines are designed to substantially reduce con-rod reconditioning time and labor costs. The machine easily maintains center to center distance of the pin and rod ends and offers precision boring of large or small end of the connecting rods.



RMC-55A



Specifications	RMC-55A
Pre set spindle speed centering	140 rpm
Feed rate selections	2
Center to center scale accuracy	.001"
Boring cap. with std equipment	0.59 - 3.80"
Boring cap. with optional	0.59 - 6.30"
Con-rod center to center	4 - 22"
Electrical	220volt 3phase
Shipping weight	1,100 lbs

Standard Equipment on RMC 55A Con-Rod Borer

Remote tool collar setting fixture
2 Dial indicators - tool setting & centering
2 V-block indicator holders (tall and short)
Tool setting micrometer, range 0.51-3.54
Set of 17 boring & facing tools

2 Boring spindle extensions
Boring collar - 2.64 diameter
Three 3 point expanding mandrels
2 con rod quick locking fixtures

RMC Belt Resurfacers

RMC Belt Resurfacers start with top of the line electrical components housed in a heavy duty 11 gauge cabinet. They offer fast belt changing ability and complete access to the belt at the edge of the platen. RMC Belt Resurfacers make short work of aluminum intake manifolds, cast iron exhaust manifolds, small cylinder heads, gasket surface areas, covers, pans, and a multitude of other small parts.

Specifications	RMC-800
Electrical requirements	220 volt single or 3 phase
Max. working area	12" x 32.0"
Belt size	11-7/8" x 89"
Belt drive motor	3.0 HP
Dimensions (w x d x h)	60 x 22 x 12"
Platen (Exchange available)	Precision ground AR400 steel
Approx. shipping weight	650 lbs.

RMC 800 Standard equipment:

Safety foot switch with shield
40 Grit zirconium belt
80 Grit zirconium belt
Instruction manual

RMC 800 Optional equipment:

Heavy duty steel base with shelf
(39.0L x 17.75W x 25.5"H)
DC-10 Dust collector

RMC's optional Dust

Collector is a welcome addition to either machine that can keep your shop cleaner and your machine running cooler.



RMC 800
Belt Sander with optional base

RMC Power Stroke Cylinder Honing Machine

RMC 200psh
Power
Stroke
Hone



RMC Cylinder Honing machines offer a variety of benefits designed to meet the needs of many machine shops. The power stroke hone is powered by an air/hydraulic system that assures a smooth even stroke. The floating hone tower with air lock, utilizes double linear bearings for fast easy movement from cylinder to cylinder. The foot control allows hands free operation and provides an added degree of safety. Machines are shipped with everything you need to get started, coolant/filtration system, V-block mounting fixture, hone head with remote feed for stone expansion, 30 gallons of honing oil and several sets of stones.

Specifications	200PSH
Honing capacity	2.7 - 5.45"
Max Head stroke	14"
Honing motor	1.5 hp
Honing spindle rpm	170
Pump motor	1/40 hp, 3 gpm
Honing oil tank capacity	30 - 40 gal
Electrical requirements	120v
Overall dimensions (lxdxh)	55 x 36 x 38"
Net / shipping weight	950 / 1,375 lbs

Features of RMC200 Hone

Ammeter to check cylinder taper
Dwell in any position feature
Filtration system w/replaceable cartridge

RMC Piston Pin Press



Technical Data	HP10
Length	16"
Width	6"
Height	36"
Capacity	10 Ton
Stroke	10"
Work light	100 watt
Air supply	40-125 PSI
Electrical 110 volts	
Net weight	150 lbs
Shipping weight	165 lbs

RMC Heavy Duty Cap Grinder



Technical Data	RMC-70
Max grinding capacity	4.375x10"
Grinding wheel diameter	7.0"
Grinding motor	1 hp
Overall length	18.0"
Overall width	12.0"
Overall height	16.0"
Weight	150 lbs
Electrical service	220V 3 Ph
Optional electrical	220V 1 Ph

Terms and Conditions

Warranty Information

Terms and Conditions:

Credit Terms

RMC offers a number of credit terms and finance program options to all qualified buyers. Leasing arrangements can be made with a variety of existing third party lease companies. RMC can provide you with information on lease rates from several qualified leasing companies that RMC works with. Call for current rates. Terms of Net 10 days are available on larger purchases to qualified buyers. RMC accepts Visa, Master Card, Discover and American Express credit cards for all your supplies and replacement parts purchases.

Order acceptance:

All orders are subject to acceptance by RMC. Back order merchandise will be shipped on a first come first service basis. Order acceptance is also subject to production and/or shipping delays. Product design, features, specifications, pricing, discounts and terms are subject to change without notice.

Shipping:

Unless otherwise agreed to in writing, all freight charges on all products and merchandise are FOB Saginaw Michigan. RMC works with most common carriers as well as UPS, Federal Express and other similar carriers. Whenever possible, RMC will pass along its discounted shipping rate when authorized by the carrier. Inspect all shipments promptly and note any damage or suspected damage with the carriers driver. Any claims for shortages, damage or loss must be reported within 5 working days of receipt of shipment. Claims for freight loss or damage should be handled directly with the carrier.

Return of Goods:

Customers must obtain an RGA number and authorization from RMC before returning any merchandise to RMC. Receipt of an RGA number does not guarantee credit - full or partial - until RMC has inspected the product and determined cause of defect or failure if any. A 20% restocking fee will be assessed against non warranty returns. Discontinued, obsolete and any other merchandise deemed non current by RMC is not subject to return, replacement or credit.

Limited Warranty

RMC offers a one year parts and labor warranty on all new equipment, products and merchandise manufactured or sold by RMC.

RMC's V Series of CNC Machines carry a two year limited warranty on machines and parts and a one year labor warranty. The Warranty period is deemed to begin on the date the product in question was invoiced by RMC.

If, upon inspection by RMC, a product should prove defective in materials or workmanship during the warranty period, that product will be repaired or replaced at RMC's option provided the buyer at its sole expense, returns the product to RMC's factory or to an authorized RMC designate. Such repair or replacement shall be RMC's sole obligation and the buyers exclusive remedy under this warranty. This warranty supersedes all prior oral or written agreements, statements, promises, advertising or representations.

This warranty is exclusive and in lieu of all other representations and warranties, expressed or implied and RMC expressly disclaims and excludes any implied warranty of merchantability or fitness for a particular purpose. There are no warranties which extend beyond the description of the face hereon. RMC's liability in contract, in tort (negligence, strict liability or any other theory), under any warranty, or under any other legal or equitable theory of whatever type, shall not exceed the purchase price paid by buyer, and under no circumstances shall RMC be liable for any special, indirect, incidental or consequential damages. The amount of the purchase price of the equipment is determined in part by the fact that buyer has agreed to so limit seller's liability.

No action arising out of any transaction under this agreement may be brought by purchaser more than one year after the cause of action has accrued.

Some states do not allow an exclusion or limitation of consequential or incidental damages, so the above limitation of liability may not apply to you.

RMC - Celebrating over 56 years in service to the engine rebuilding industry

Providing engine rebuilding equipment to the automotive, diesel and high performance racing industries since 1957, RMC is celebrating over 50 years of business and experience in offering a wide variety of engine rebuilding machines designed to provide the performance, productivity and accuracy you need at a price you can truly afford.

Over these many years RMC has always worked hard to stay on the cutting edge of technology, constantly working to bring new products, new ideas and better solutions to the engine building/rebuilding market.

RMC's premier product offering is a brilliant line of CNC based products. By combining RMC's 50 years of experience in the rebuilding market with time proven and state of the art CNC Machining Centers from a very small and select group of well known vendors, RMC has put together a series of highly competitively priced CNC machining packages designed specifically to handle today's engine rebuilding needs - both performance and production based machines - yet each offers true CNC versatility and a wide range of other functions and capabilities that only true CNC machining centers can allow.

RMC began offering CNC based solutions in 1999. Our growth and success in this area has been spectacular to say the least. We thank our customers for putting their faith in our products and our ability to solve engine building related problems with today's technology and CNC solutions.



RMC's brand new facilities in 2001 still featured many of RMC's traditional engine rebuilding products ... but the times, they were a changing ...



By 2008, RMC's facilities are filled almost entirely with CNC based products ... thanks to the tremendous response from our customers!



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