



Engine Rebuilding Equipment

**Innovation  
Starts *HERE!***

# Surface Milling Machines

Precision Ball Screw  
Table Operation



Full metal  
safety enclosure  
with sliding doors

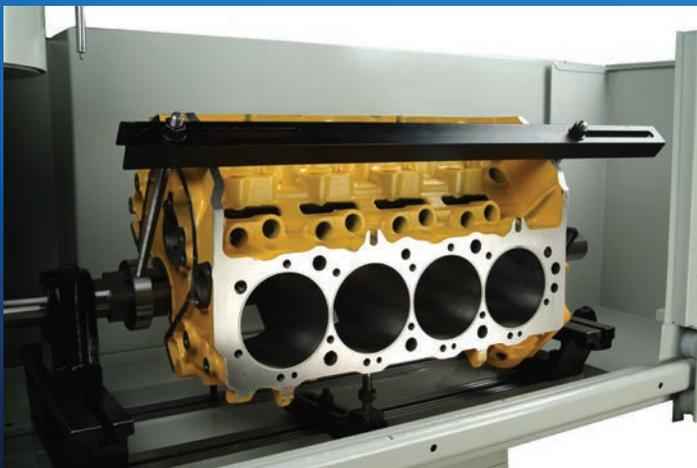
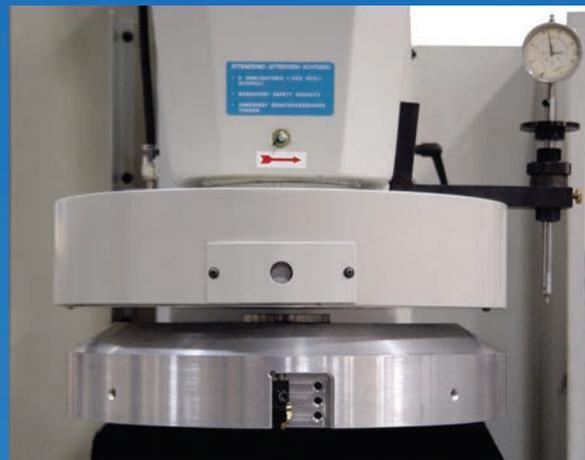
**RMC-12VB Shown**

**The 12VB Surface Mill** is the ideal choice for the traditional automotive machine and high performance shops. RMC's heavy duty, rigid, cast iron construction is designed to meet the demands of today's surface finishes. The powerful 7 1/2 on the RMC-12VB wheelhead motor, coupled to a pre-loaded dedicated spindle shaft provides superior finishes which exceed present OEM specifications. Save time - the change over from CBN to PCD milling takes just seconds. Both models come equipped with power wheelhead vertical movement and variable automatic servo driven ball screw table traverse.



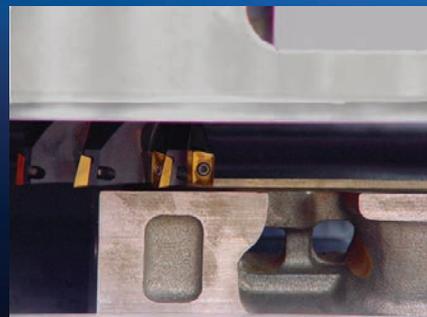
**The RMC control panel** is conveniently located and provides quick and easy access to all of the functions and operations on these surface milling machines. RMC's auto cycle function stops the table after the milling operation is complete, positions the tool to the front and returns the table to the start position without lifting the head.

**RMC's heavy duty CBN/PCD milling systems** are based on a 3.5" x 15.75" diameter solid aluminum milling head that provides superb milling operations on all RMC surface milling machines. And best of all, its included as part of the standard equipment package. The system includes one CBN insert for cast iron applications and one PCD insert for aluminum blocks and heads.



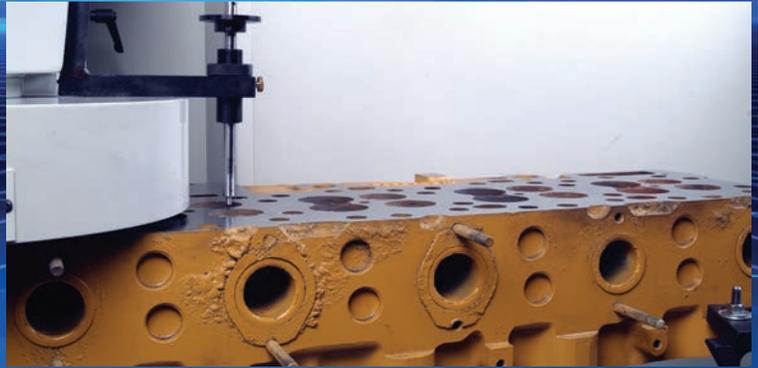
**RMC's optional quick mounting rollover fixture** lets you parallel deck both sides of the block without dismounting and resetting the block. The fixture works with blocks up to 28" long and with cylinder heads up to 31" in length.

**RMC adds even more machine versatility** with the optional 4" diameter shell mill adapter with multiple inserts for all models of RMC's surface milling machines.



*As with all RMC engine rebuilding machines, these are equipped with heavy duty advanced electronic system controls. A digital inverter drive provides consistent torque at variable spindle speeds from 0-1,700 rpm to meet your needs on a variety of surfacing requirements. Low voltage controls, motor thermal protection and full chip enclosure assure you a life time of dependable, reliable and safe operation.*

*As seen here, the RMC-12vb surfacers can easily surface 3406E Cat heads, with room to spare.*



*Surfacing the CAT 3406E with a standard touch off indicator*



*RMC's optional quick mounting and leveling rolover fixture lets you surface most passenger car and medium size diesel heads and blocks.*

*With a milling length of more than 4 feet, the RMC-12vb can easily deck Cummins NH Blocks. The RMC-12VB has an optional grinding system available. It includes a 15.75" segmented grinding wheel with dresser and a complete coolant system.*

*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 ... Great products keep getting better ...

RMC is proud to introduce a new and improved version of RMC's most popular RMC-12VB Surface Milling Machine. Servo driven ball screw table traverse operations now replace the hydraulic technology. This greatly improves both repeatability and predictability of surface finishes. The new metal enclosures with heavy duty fingertip sliding doors provide easy access to the work area and maximum operator safety.

Heavy duty cast iron construction, power wheelhead vertical movement, ball screw table operations, CBN and PCD milling inserts, all these features combine to give you whisper quiet machines that far exceed the demands of today's resurfacing needs.

Technical Specifications	RMC-12VB
Maximum length table travel	54"
Maximum milling width	15.75"
Work surface of table	47.25 x 11.8"
Automatic table feed per min	0 - 130"
Distance center of spindle to column	12.2"
Minimum height over table	6.75"
Maximum height over table	29.5"
Speed of spindle rotation (rpm)	0-1,700 rpm
Main spindle motor (hp)	7.5 hp
Workspace required (l x w)	172 x 54"
Shipping Dimensions (l x w x h)	118 x 54 x 81"
Shipping weight (approx.)	4,000 lbs
Electrical requirements	220 volt 3 ph

### Standard Equipment

- Servo driven ball screw table operation
- Heavy duty 15.75" CBN Milling System on RMC-12vb
- Full metal enclosure with sliding doors
- Power column
- 4" parallel supports with clamp set
- Adjustable touch off indicator for stock removal
- 36" straight edge and 8" spirit level
- Wrenches, tools and operators manual

### Optional Equipment

- Universal rolover fixture for V-blocks and heads
- 8" parallel supports with clamp set
- 4" Shell mill adapter
- Angle mill touch off gauge
- Block truing fixture
- Single phase electrical power option
- Work position DRO kit
- Wheelhead dial indicator kit with 2" indicator
- Wet surface grinding option

*Complete with coolant system  
15.75 Grinding wheel w/10 segments  
Starwheel Dresser*



The standard tooling package shown above



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