

Machine Tool Grade Automotive Machining

HB 3810 Head & Block Resurfacer



The DCM Technology Difference

The HB 3810 Resurfacing Machine is designed with State-of-the-art controls that simplify the resurfacing process. Features include a precision Ball Lead Screw Table Feed for improved control, productivity and reliability.



- ***All Systems are Electronically Controlled: Quiet, Fast, Efficient***
- ***Industry's Most Rigid Spindle Motor***
- ***Cast Iron Base w/Precision Ground & Hand Scraped Ways***
- ***Precision Ball Lead Screw on X axis***
- ***Infinitely Variable Bi-Directional Table Traverse Speed***
- ***Power Column***

Overhead Pendant Mounted Control

- ***Automated controls ensure accuracy and productivity***
- ***Select Specific Table Traverse speeds for positive surface finish control***
- ***Automatic Feed option available***



DCM

***Designer and Manufacturer of
Industrial & Automotive Machine Tools***

800-533-5339
www.dcm-tech.com

4455 Theurer Blvd., P.O. Box 1304, Winona, MN 55987

DCM Tech Automotive

HB 3810 Spindle

The spindle is integral to the custom design motor. "Classic" machine tool spindle bearing design with Class 7 spindle bearings, heavy cast iron motor housing, and a balanced rotor assure long life and smooth finishing, even on interrupted cuts, hard spots and through difficult materials.

Optional Angle Mill Indicator



Heavy-duty cast iron motor with precision spindle

Electrical Control System

DCM electrics are engineered to industrial standards for 24/7 operation. The electrical system is fully enclosed in a separate NEMA enclosure for serviceability and installation flexibility. Top quality components are used throughout, with connections made via aircraft quality "AN" style connectors for safety and reliability. Long term serviceability is insured through the use of "standard" components wherever possible.



HB 3810 electrical enclosure



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Resurfacing Solutions



Dual cutter bar accepts CBN inserts

Dual Insert Cutter Bar

Heavy dual insert cutter bar is balanced and precisely machined to accept CBN inserts for cast iron and PCD inserts for aluminum. The cutter bar mounts to a machine tool taper spindle insuring rigid mounting and alignment.



Adjustable jack for easy leveling and support

Universal Head & Block Rollover Assembly

Includes mounting hardware, parallels, cylinder head mounting plate and rollover bar to mount most heads and blocks. Adjustable jack sets provide leveling and support for heads and blocks.



Quick set-up production head fixturing

Production Head Fixture

Heavy cast base and mounting plates, and quick leveling hand-wheel adjusters make this fixture ideal for rapid and precise cylinder head machining.

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Spec it out!

- Over 30 years of Machine Tool Design and Manufacturing Experience
- Machinery manufactured at a modern facility in Winona, Minnesota USA
- Standard and Custom machinery for Manufacturing, Industrial and Automotive applications

General Specifications

Table Travel	46-1/2"
Table Traverse Speed Variable	0-100" per minute
Max. Ht. Table to CBN Tool (Mill only Mach.)	25-1/4"
Max. Workpiece Length	38" at Maximum Mill Width
Max. Workpiece Width (Table at Center)	14"
Physical Dm. (Table at Center)	90"l x 42"w x 74"h
Min Req. Flr. Space (Operator not Included)	42" x 140"
Spindle Motor	7.5 hp 3 Phase
Motor RPM	Standard, 1200 RPM
	Optional, 500-1800 Variable Speed
Standard Machine Power	230v 3 Phase
Machine Net Wt.	3050 lb
Machine Shipping Weight	3300 lb

DCM products are sold and supported direct from our manufacturing facility in Winona, Minnesota, USA.



Machine Configurations

02-08285 HB 3810 Base Machine, 230V 3 Phase — includes 03-08346 Set up Tooling

03-08299 Manual Pendant Control
 03-08301 Autofeed Control
 03-08298 460 V Conversion
 03-08304-01, 02 Variable speed spindle for HB 3810

Popular Tooling Options

03-91008 Rollover Tooling for Heads & Blocks
 02-04400 Quick Level Production Head Fixture
 03-04468 Dual Plane Level
 03-04966 Angle Mill Indicator
 03-05748 Dual Dial Indicator Fixture for Setting Inserts

02-05557 Machine Mounted Loading Crane
 62-05584 Electric Hoist for Crane
 62-05585 Manual Hoist
 62-05583 Hoist Trolley
 • Additional Specialized Tooling Available

Check out our complete DCM automotive line



SG 7000



MPI 4562



ATP 5500



ATP Mini



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