

DCM Tech

Rotary Surface Grinders

Call Today!!!
(800)533-5339



Providing quality machine tools and customer satisfaction since 1974

Grinding Control System

DCM Autofeed grinding cycle control with graduated feed dial for setting feed amount and grind depth readout. Machine functions such as rapid head positioning, spindle & table controls, and grinding cycle startup are all placed for easy access

Variable Speed Rotary Tables

Available in magnetic, vacuum, hydraulic, and custom fixture configurations.

Grinding Spindle

Variable speed 10HP, 1800RPM grinding spindle motor with preloaded precision bearings.

Mist Collection

Integral air mist collection system draws particulates and mist away from the work area, enhancing machine cleanliness and work environment.

Coolant System

Coolant system with both through spindle and external coolant feed as well as an integral production filter system.

Manual Pulse Generator

Handwheel provides precise, effortless control of Z axis spindle positioning. Three selectable feed rates with steps of .010 in., .001 in., and .0001 in.

IG 080 M Industrial Rotary Surface Grinder



Fully enclosed grinding area in the IG 080 M helps keep Lab and Production areas clean and enhances operator safety.

Contact Us:



(800)533-5339



(507)452-7970



www.dcm-tech.com



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P.O. Box 1304
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Aircraft brake rotor on 18" magnetic chuck

Rotary Magnetic Chuck

The DCM Tech rotary magnetic chuck has variable strength mag/demag controller and 3/8" fine pitch magnetic surface provides optimum holding power for most work pieces.

Specialized Workholding Systems

Vacuum chucks, T-slot tables, through table feed for vacuum, hydraulic & pneumatic fixtures, and magnetic chucks are available as options.

IG 080 M Control System

Operating controls are grouped for logical access to manual and automatic machine functions. Spindle load limit, auto-feed rate, and magnet force are front panel adjustable.

Coolant Filtration System

External system filters swarf from coolant for consistent grinding performance and shop cleanliness. Spent filter media and waste feed into a holding container for easy disposal.

Fine Filtration

Second canister or centrifgal filter systems are available for fine grinding applications such as carbide, ceramics, of crystal.

Manual Handwheel & Feed Dial _____

Mist Collector _____

Bed Filter _____

Coolant Reservoir _____



DCM Abrasive Options

An 8" diameter segmented grinding head, 6A cup wheels, and a variety of superabrasive wheel mounts are available. Single bolt wheel hub mounting facilitates rapid wheel changes.

Integral Motor & Grinding Spindle

The 10HP motor assembly is purpose built for grinding applications. Features include preloaded precision bearings, balanced armatures, and sealed housing for grinder duty service.

Grinding Spindle Alignment

Preloaded adjusters and the integral indicator mount specify accurate spindle alignment to enhance grinding accuracy and finish.

Optional Full Enclosure

Totally enclosed grinding area with mist collection and work-light for enhanced machine cleanliness and work environment



8" Flaring Cup Wheel



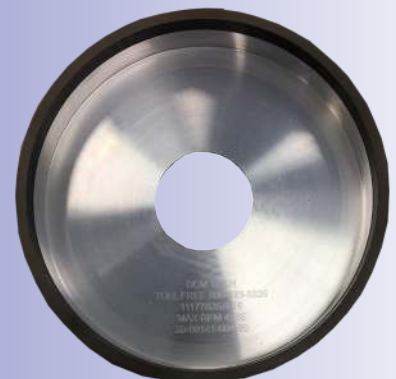
Product number
19-06108-025-03

8" Segmented Wheel
Assembly



Product Number
03-07210

8" Diamond CBN Straight
Cup Wheel



Product Number
20-09141-004-80

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General Specifications

Motors

Grinding Spindle 10HP, 1800 RPM (3600 RPM
Optional)

Rotary Table 1HP, 34 RPM

Powered Head 1/2 HP DC Motor

Coolant Pump 20 GPM

Magnetic Table

Diameter 18'

Field Strength Variable, Auto Demag

Concentric Pole Spacing 3/8"

Capacity

Maximum Swing Diameter 24"

Chuck Work Load 300 lbs. (centered)

Maximum Wheel to Table Clearance 7" with 6A2 Wheel

Grinding Wheel Options

Type 6 or Type 11 Cup Wheels in Aluminum Oxide,
Silicon Carbide, and Ceramic. 3", 4", 6", 8" diam.

Cup and 2A2T CBN and Diamond Wheels. 6", 8", 10" diam.

Segmented Wheel Kit 8" diam.

Feed System

Servo-Motor Encoder with High Precision Ballscrew

Feedrate Variable from 0.0001" IPM to 0.100 IPM

Electrical Requirements 230V, 60Hz, 3 ϕ ,
40 Amp Other voltages optional

Dimensions 5' wide, 3' deep,
6' high

Shipping Weight 2400 lbs.



Integral mist collection and swarf removal heighten the cleanliness of the grinding process. The IG 080 M is a low impact machine for the shop environment.

Check out our complete line of surface grinders



IG 380 SD



IG 280 SD



IG 180 SD



IG 140 SD

DCM designs and builds a line of Industrial Rotary Surface Grinders and Automotive Rebuilding equipment. We have provided quality machine tools and customer satisfaction since 1974. Our response to customer needs over the years has allowed us to provide long lasting, application specific solutions to customers worldwide. Use of the DCM Tech Vertical Spindle Rotary Table Surface Grinders has consistently brought dollars to our customers' bottom line via process improvement.