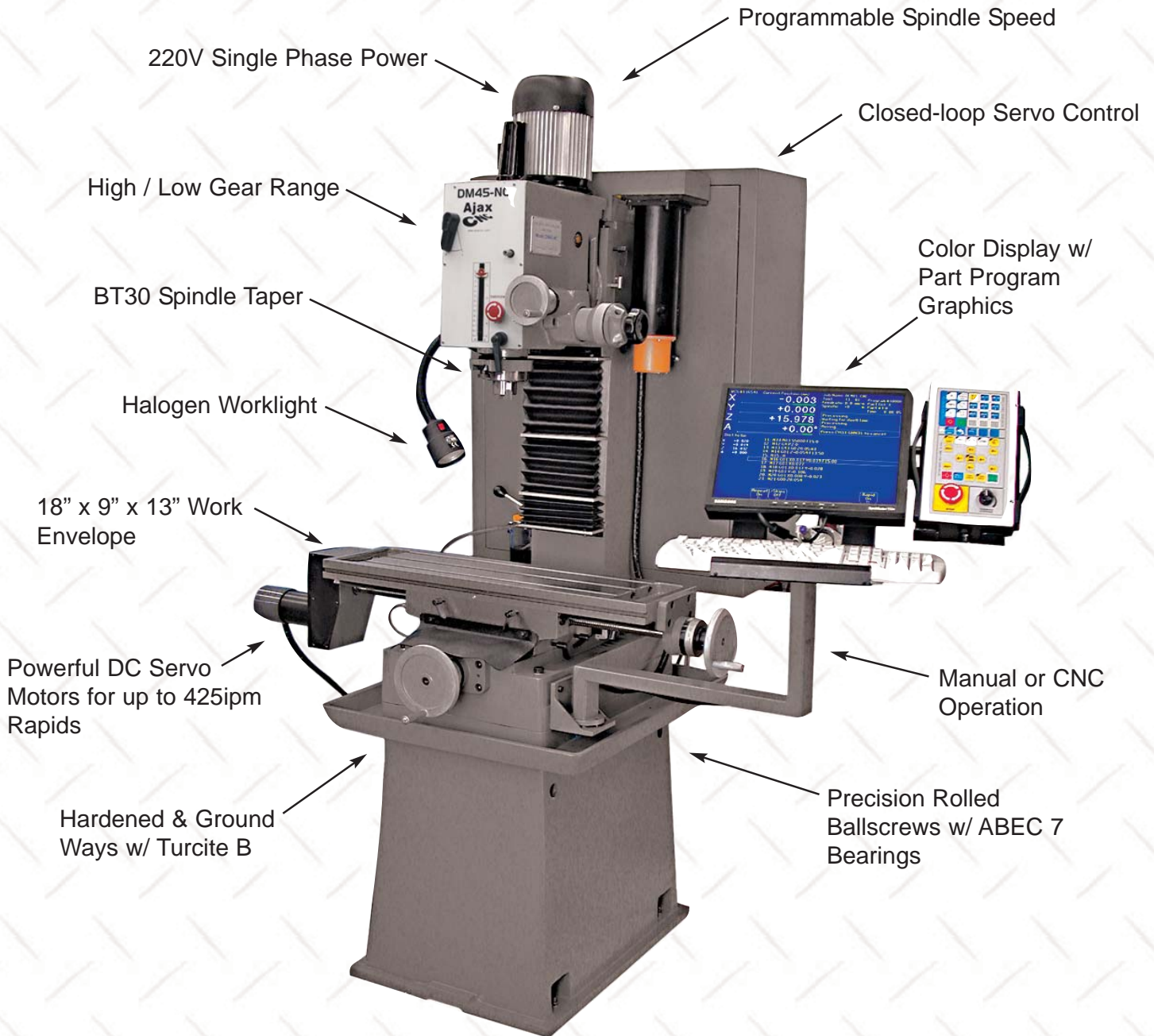




DM45 CNC Bed Mill



Perfect for Toolrooms, R&D Labs, Job Shops, or anyone looking for an affordable small format, high-performance CNC bed mill. With a DM45 in your shop, you'll be able to quickly and easily create accurate parts in a wide variety of materials ranging

from plastics and composites to aluminum and steel and iron. Combine this with fast graphically assisted setups and conversational programming, and you'll be able to make the parts you have always wanted to!

Mechanical Specifications

Work Table

X	31.5" (800mm)
Y	9.5" (240mm)

Travels

X	18" (457mm)
Y	9" (228mm)
Z	13" (330mm)
Quill	4.75" (120mm)

Spindle Nose to Table

3.5" - 16.5" (89 - 420mm)

Spindle Motor

1.5HP (1.12kW)

Spindle Taper

BT30 (ISO30)

Feedrates

up to 425ipm (10.8m/min)

Accuracy

Positioning	+/- 0.001"/12" (0.025mm/300mm)
Repeatability	+/- 0.0005" (0.012mm)

Power Requirement

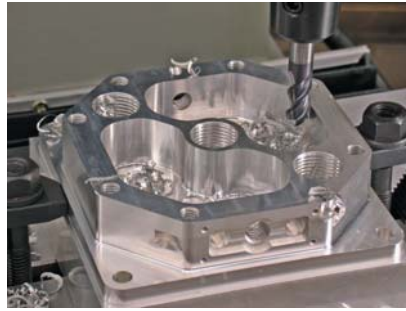
Spindle	208-240V 1,3-phase
Control	120V 60Hz / 220v 50Hz

Weight

1750lbs. (795Kgs.)

Footprint

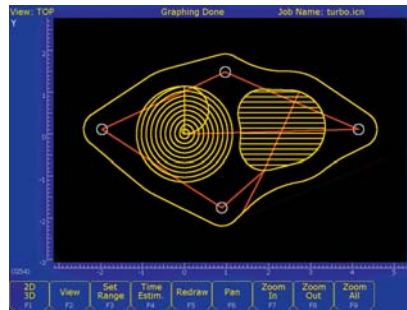
80" x 53" (2032mm x 1346mm)



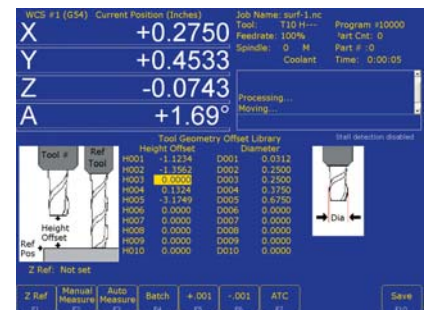
Standard features like high-speed machining with lookahead and true 3D contouring make this the most capable, yet affordable mill on the market.



With a work envelope similar to and larger than many typical knee mill, the DM45 will easily handle prototyping, production runs, and everything in between.



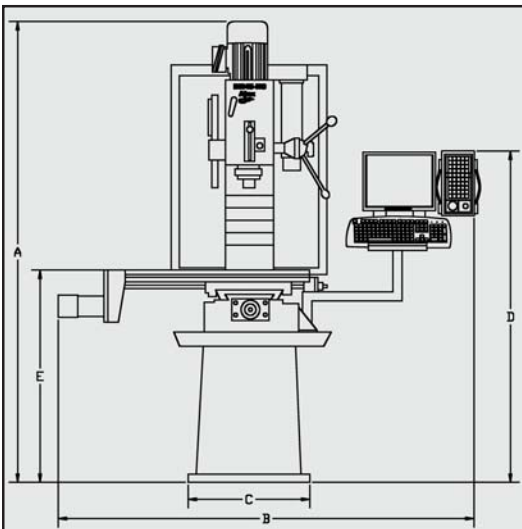
The graphical and intuitive control ensures even the most inexperienced operator will be making good parts the very first day.



Conversational programming allows you to go from print to part in minutes with our extensive library of canned cycles including threadmilling and DXF import.

DM45 Standard Features

- Rigid Meehanite Cast Iron Construction
- Precision Rolled Ballscrews
- ABEC 7 Bearings
- Hardened & Ground Ways w/ Turcite B
- Integrated Lube to all Ways & Ballscrews
- Single or Three-Phase Power
- Handwheels for Manual Operation w/ DRO
- Halogen Work Light
- 3000 RPM Inverter-duty Programmable Spindle
- Removable Base for Benchtop Operation



A. Max Height	81" (2058mm)
B. Max Width	80" (2032mm)
C. Base Width	20.5" (520mm)
D. Console Height	54" (1372mm)
E. Table Height	38" (966mm)



Control Pendant

- Jog Buttons for X, Y, Z, 4th
- Spindle, Coolant Control
- Emergency Stop
- Feedrate Override
- Cycle Start / Cancel
- Jog Increment (X1, X10, X100)
- Programmable Aux Buttons (9)

AjaxCNC Standard Features

- 15" LCD Monitor
- Industrial PC w/ 1GB Solid State Hard Drive
- CNC Linux Control Software
- (2) USB Ports
- RS-232 Port
- Ethernet Connection
- Fiber Optic Noise Prevention
- Conversational & G-code Programming
- Extensive Canned Cycles
- 3D Contouring w/ Look-ahead
- 2D/3D Part Program Graphics
- Graphical Tool & Part Setups
- Graphical Help Menus
- Cutter Compensation
- Background Editing
- Teach Mode
- Standard or Metric Units

Ajax CNC

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