

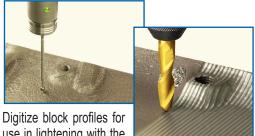
Select Program

B4250

Load existing or create new programs using digitized, blueprint, or custom data. No G-code required!

Turnkey System Includes

- 4-Axis machining center
- M400 CNC control
- Precision Universal block fixture
- Conversational block software
- On-site personalized training
- Standard tooling package
- Digitizing probe
- Auto tool length setter
- 24-position ATC
- MPG electronic handwheel



use in lightening with the

included probe and software. Copy and cut nearly any 3D shape, and reproduce hardto-find or unavailable parts!

20HP 10,000 RPM programmable spindle

Easy access sliding doors with windows

Fully enclosed cabinet with flood coolant & chip auger

Heavy-duty cast iron frame with a wide saddle and linear ways provides superior accuracy and rigidity with reduced maintenance

Air blast & wash dow

0

Cylinder Boring

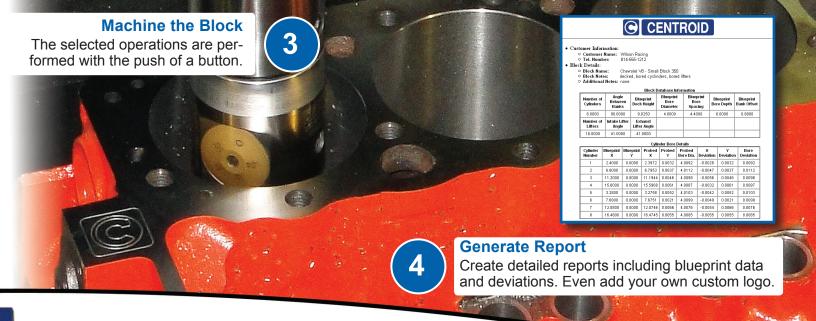








Additional capabilities: O-ring Grooving, Chamfering, Sp.



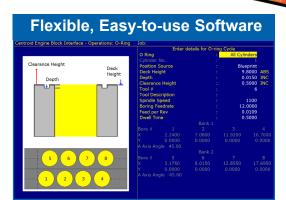


Auto tool length setter

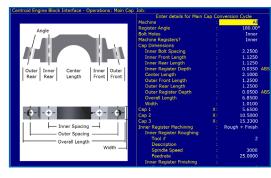
250mm Rollercam Rotary Table w/ High Resolution Digital Scale and Auto Brake

Windows 10, Touch screen, High end CNC computer w/ multi core CPU, SSD, Wifi, USB

MPG electronic handwheel

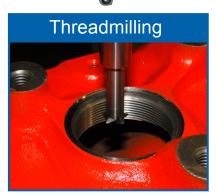


CENTROID's innovative conversational blockmachining software allows you to quickly create or modify programs for any block right at the machine. No G-code knowledge required.





n hoses







Specifications	B4250
Table Size:	27.55" x 47.24" (700x1200 mm)
Longitudinal travel (X):	42" (1067 mm)
Cross travel (Y):	26" (660 mm)
Vertical travel (Z):	27.55" (700 mm)
Spindle nose to table top:	4.7" - 32.28" (120-820 mm)
Spindle center to column:	28.5" (724 mm)
Maximum table load:	1540 lbs (700 kg)
Spindle power:	20 HP / (15 kW)
Spindle speed:	10,000 RPM (Direct Drive)
Spindle Taper	CAT40 ANSI CAT-40 Short Pull Stud
Opitonal Spindle taper:	BT-40, short pull stud style (Optional)
Automatic Tool Changer:	24 Position Swing Arm (7kg/15.4lb. Max Tool Weight)
Rapid feed rates (X, Y, Z):	X,Y 1000 IPM, Z 800 IPM
Ball Screw Dia.& Pitch X,Y,Z	40mm diameter and 12mm Pitch, Class:C3
Accuracy:	0.0005" (0.0127 mm)
Repeatability:	0.0002" (0.006 mm)
Axis drive motors (X, Y, Z):	Yaskawa AC Brushless Servos X,Y 2.9 kW Z 4.4kW
Axis way design:	Heavy Duty Linear guideways
Lifter Boring Diameter Range:	0.787" – 1.220" (20–31 mm), .984" - 1.575" (25-40 mm)
Cylinder Boring Ranges:	2.68" - 5.91" (68 - 151 mm)*, Max Depth 9.5" (242 mm)*
Coolant Pump	80 PSI, 55 Gallon Capacity
Machine Footprint:	L 130" (3300 mm), W 100" (2540 mm), Max H126" (3200 mm)
Weight:	Machine: 16,500 lbs (7500 kg)

Included cam bar tool accurately locates block Automatic Tool Setter Accepts Block or T-Slot table Accepts Block or T-Slot table 250mm Rollercam Rotary Table w/ Super Resolution Scale and Auto Brake

Standard Tooling Package



Included Standard Tooling Package*:

- Cylinder Boring Tool
- · Tool Setting Micrometer
- 12" Deck Surfacing Tool
- Lifter Boring Tool and Lifter Spot Facing Tool
- Cylinder Bore Chamfering Tool
- CENTROID DP7 Digitizing Touch Probe. Specifically designed for long stylus operation, yields ultra precise measurements.

Optional Features

- Coolant Through Spindle (CTS)
- BT40 Spindle taper
- Mastercam CAD/CAM software
- Quick swap T-Slot Table
- Main Cap Conversion Tooling

Warranty

One year warranty for parts, labor and technical support.

M400 CNC Control Features

Standout CNC Features Include: Windows 10 OS, Touch screen, Intercon conversational software with Engine Block interface, auto digitizing and probing cycles, graphical program preview, automatic tool measurement, sub-programs and macros, rigid tapping, extensive canned cycles including threadmilling, cutter radius compensation, pockets, drilling, tapping, part scaling and mirroring and much more. Create your own program for any block in minutes!



CENTROID

159 Gates Road Howard, PA 16841 814.353.9256 ext. 101 Sales 814.353.9265 Fax www.centroidcnc.com