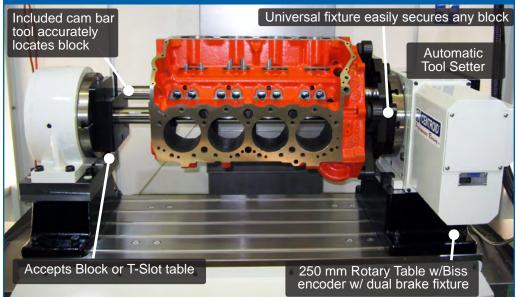
Discover the CENTROID advantage with the B4250 CNC Engine Block Machining Center: We provide the machine, tooling, software, and personalized on-site training you need to be successful. In addition to the included ready-to-run block programs, our conversational software gives you the power & flexibility to easily add new blocks and operations, so you'll never need to purchase additional programs or edit G-Code. The CNC control, digitizing probe, universal block fixture, and software are all made in the USA by CENTROID, allowing us to provide unmatched service and support. Contact your CENTROID representative today to start building race-winning engines with the B4250!

Specifications	B4250	B4250 XL
Table Size:	20" x 49.5" (508x1257 mm)	23.6" x 66.9" (600x1700 mm)
Longitudinal travel (X):	42" (1067 mm)	58" (1473 mm)
Cross travel (Y):	24" (607mm)	26" (660 mm)
Vertical travel (Z):	34" (864 mm)	34" (864 mm)
Spindle nose to table top:	39" (991 mm)	39" (991 mm)
Spindle center to column:	30" (762 mm)	30" (762 mm)
Maximum table load:	2200 lbs (1000 kg)	2200 lbs (1000 kg)
Spindle power:	15 HP / (11 kW)	20 HP / (15 kW)
Spindle speed:	8000 RPM	10,000 RPM
Automatic Tool Changer:	24 Position Swing Arm	24 Position Swing Arm
Rapid feed rates (X, Y, Z):	X,Y 1000 IPM, Z 800 IPM	X,Y 1000 IPM, Z 800 IPM
Accuracy:	0.0005" (0.0127 mm)	0.0005" (0.0127 mm)
Repeatability:	0.0002" (0.006 mm)	0.0002" (0.006 mm)
Axis drive motors (X, Y, Z):	X,Y 2.9 kW Z 4.5kW AC servos	X,Y 2.9 kW Z 4.5kW AC servos
Axis way design:	Heavy Duty Linear guideways	Heavy Duty Linear guideways
Machine Footprint:	L 121" (3073 mm), W 97" (2462 mm), H 116" (2946 mm)	L 179" (4546 mm), W 89" (2260 mm), H 126" (3200 mm)
Weight:	Machine: 14,000 lbs (6350 kg)	Machine: 16,000 lbs (7257 kg)
Boring Diameter Range:	0.984" – 1.26" (25 – 32 mm), 2.68" – 5.91" (68 – 151 mm)*	0.984" - 1.26" (25 - 32 mm), 2.68" - 5.91" (68 - 151 mm)*
Boring Depth (Max):	9.5" (242 mm)*	9.5" (242 mm)*
		*as tooled

Precision Universal Block Fixture



Warrantv

One year warranty for parts, labor and technical support.

M400 CNC Control Features

Standout CNC Features Include: Windows 7 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.

Standard block programs: Pre-loaded programs for Small and Big Block Chevrolet, Ford, and Chrysler with the ability to easily modify or create your own program for any block in minutes!



Ided Standard Tooling Package*:

- vlinder Boring Tool
- ool Setting Micrometer
- 2" Deck Surfacing Tool
- fter Boring Tool and Lifter Spot acing Tool
- ylinder Bore Chamfering Tool
- lain Cap Conversion Tooling

 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

Distributor:



AZP Italia

via Lombardini 1 - 27018 Vidigulfo Pavia Italy phone + 39 0382 696225 www.azpitalia.com



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





B4250 CNC Block Machining Center

Probe Automated probing provides quick & easy block setup. Probe any standard or custom points, verify block data, and compare to blueprint.

Deck Surfacing



2

Select Program

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

24-position automatic tool changer

Turnkey System Includes

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

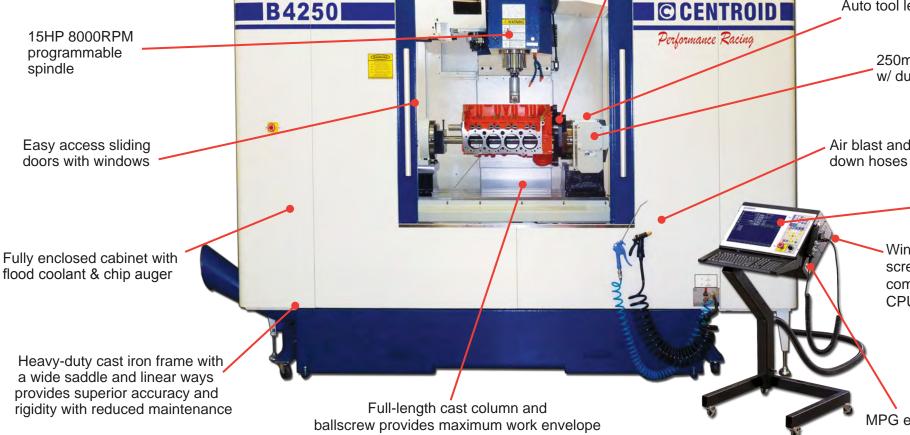


Digitize block profiles for use in lightening with the

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













Machine the Block

Precision Universal Block Fixture

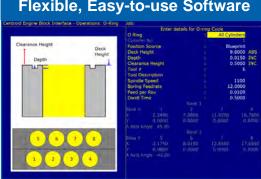
The selected operations are performed with the push of a button.

3

Additional capabilities: O-ring Grooving, Chamfering, Spot Facing, Rigid Tapping, Block Sleeving, Drilling, Pocketing, Lightening, & General Part Machining

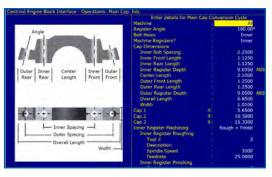


- 250mm rotary table w/ dual brakes
- Air blast and coolant wash



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.

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



MPG electronic handwheel



