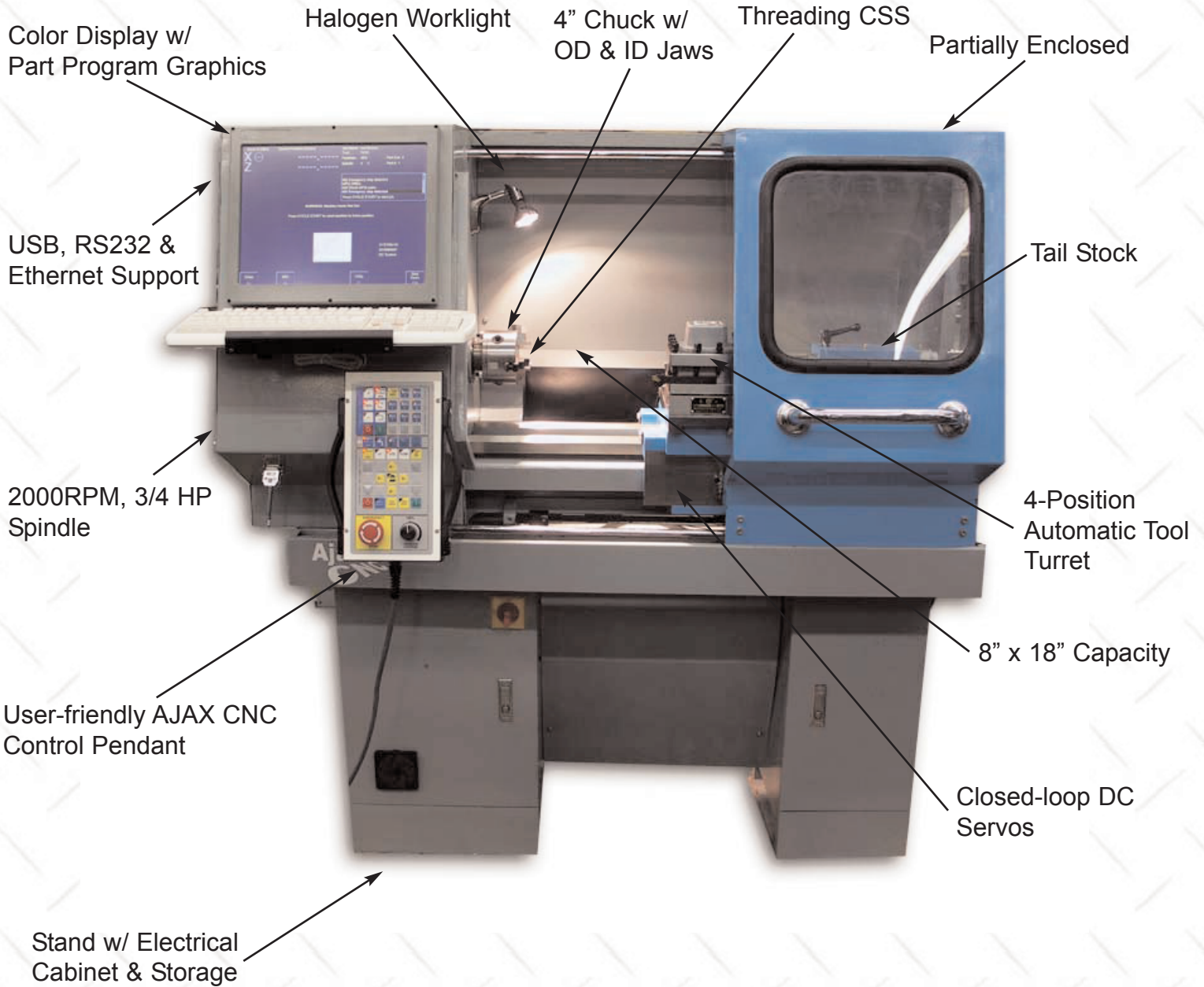




AL818 CNC Lathe



Perfect for Toolrooms, R&D Labs, Job Shops, or anyone looking for an affordable small format, high-performance CNC lathe. With an AL818 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

Capacity.....8"x18" (203 x 457mm)
 Swing over bed.....10.5" (270mm)
 Swing over cross-slide.....4.75" (120mm)

Travel.....4"x18" (101 x 457mm)

Spindle

Power.....3/4 HP (.56kW)
 Speed.....2000rpm
 Taper.....MT3
 Through-hole.....1" (30mm)

Accuracy

Positioning.....0.001" (0.025mm)
 Repeatability.....0.0005" (0.012mm)

Power Requirement.....220V, Single-phase

Tailstock

Taper.....MT2
 Travel.....2.25" (60mm)

Weight.....660lbs (300Kgs)

Footprint.

.....54" x 24" x 61"(1372mm x 610mm x 1550mm)



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.



Control Pendant

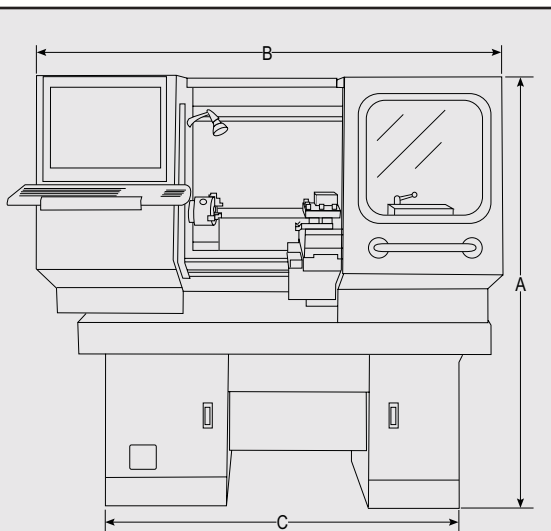
- Jog Buttons for X and Z
- Spindle, Coolant Control
- Emergency Stop
- Feedrate Override
- Cycle Start / Cancel
- Jog Increment (X1, X10, X100)
- Programmable Aux Buttons (9)
- Turret Index

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
- 2D/3D Part Program Graphics
- Graphical Tool & Part Setups
- Graphical Help Menus
- Cutter Compensation
- Background Editing
- Teach Mode
- Standard or Metric Units

AL818 Standard Features

- Control Pendant
- 4-Position Automatic Tool Turret
- 1/2" Standard Tooling
- Tailstock
- Halogen Worklight
- 6-Point One-shot Lube System
- Stand w/electrical Cabinet and Storage
- Conversational and G-code Programming
- 2000 RPM Inverter Driven Spindle
- Semi-Enclosed Cabinet
- Single-Phase Power
- 4" Chuck w/ ID & OD Jaws
- Threading & Constant Surface Speed



A. Max Height	55" (1397mm)
B. Max Width	54" (1372mm)
C. Base Width	44.5" (1130mm)



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