

Laguna CNC—Smart Shop 2

1200mm x 1200mm—ATC Machine



Features

Laguna “Touch” Series CNC controller is an industrial PLC based controller developed by Laguna tools and industry giants B & R Automation Austria.

System matched controller and drive components for easy diagnosis and reliability

CNC machine features the networking, connectivity and online troubleshooting typically found in windows environments without the windows baggage

Runs industry standard G—Code that can be created from any CAM software package

Program transfer to the controller can be accomplished with USB or via ethernet transfer

1200mm x 1200mm process area—gantry clearance 200mm

Rapid travel: 20 metres / min | Cutting speed: 15.00 metres / min

6 x zone vacuum table | 10HP vacuum pump

25mm heavy duty HiWin HG series linear bearings and rails on all axis rack

X, Y & Z axis travel: X & Y travels on “helical” rack & pinion, Z axis travel on precision ball screw

Gantry is driven on each end; two “helical” rack and pinion drives on “Y” axis

Heavy duty welded tubular steel frame

7.5HP water cooled spindle, 6000—18000 RPM

Automatic tool changer with 8 position tool rack

Includes three BT30 tool holders, collets and precision collet nuts

Tool tip sensor disk

Standard Features

Remote dust collector & vacuum control at the operator station

Expandable control system for custom applications

Spindle speed control through programming

Manual overrides of spindle speed & feed speeds during run

Centralised lubrication system for all axis

10HP vacuum pump / vacuum monitoring gauge

Options

Dust extraction with vacuum over arm

Mist-sprayer / air blaster unit for cutting aluminium

Perimeter pop up stops

