Xtreme **1005TT 5 A**xis

The Xtreme 1005TT 5 Axis CNC router from Komo Machine has been developed specifically for the customer who requires more machining flexibility and more Z travel than an Xtreme XL. These machines feature a moving table configuration and a choice of 24", 36" or 48" Z travel.

Features

♦ Four-pole, 11.7HP (8.7kw), 20,000 RPM, HSK 63F, liquid-cooled spindle
♦ 12 position automatic tool changer
♦ Advanced Fanuc HVI servo system tuned for optimum acceleration and deceleration
♦ Fanuc Panel i control with integrated PC
♦ Universal grid fixture table available in composite (standard) or aluminum (option)
♦ Pressurized automatic centralized lubrication system
♦ KOMO Production Manager and Machine Monitoring software
♦ 19" touch screen display

Construction

♦ FEA "Finite Element Analysis" engineered structure
♦ Heavy-duty steel fabrication
♦ Closed-loop counterbalance system minimizes plant air consumption

Xtreme **1005TT 5 A**xis - **T**echnical **D**ata

Spindle

Quantity	One (1) standard
Type	11.7HP (8.7kw), four-pole, liquid cooled (standard)
RPM	Up to 20,000, fully programmable
Taper	HSK 63F

Table

5 x 5 (2)	60" x 60" (1524mm x 1524mm) each

Tool Changer

Max Quantity	12 tools
Max Diameter	3.25" (82mm) positions full; 6.5" (165mm) adjacent positions empty
Max Weight	12 lbs each / 96 lbs total (5.4kg / 43.5kg)
Max Length	5" (127mm)

Feed Rate/Traverse

X Axis	2300ipm (58.5mpm)
Y and V Axes	2300ipm (58.5mpm)
Z Axis	1200ipm (30.5mpm)
A and C Axes	74.4°/sec
Acc/Dec	130 in/sec²

Axis Travel

1005TT	147" (3734mm) x 77" (1956mm) x 24" (610mm) Z Axis travel available in 36" (914mm) and 48" (1219mm)
A Axis	±120°
C Axis	±220° (continuous rotation available)

Positioning

Accuracy	±0.0008" (±0.02mm) linear axis repeatability 30 arc seconds A and C axes unidirectional repeatability

Control System

Fanuc Panel i	With integrated PC and 19" touch screen display

Options

Tooling Package	Tool holders, collets, bench top tool changing block, wrench
Vacuum System	With low vacuum sensing interface
Vacuum Pumps	Started via pushbutton on main operator panel, with remote start relay
C Distributor	Rotary distributor allows the C axis to rotate continuously without unwinding
Part Labeling	Print labels directly onto parts prior to machining
Safety Equipment	Laser scanners, light curtains, pressure mats
Dual Screen	Additional 19" screen attached to the HMI
Metal Cutting	Mist coolant, dust/chip enclosure for cutting non-ferrous metals
Table	Aluminum universal grid, threaded inserts, custom options