

►► **Built for a Lifetime**

► Fusion Twin Table Series



The Fusion Twin Table Series of CNC routers from Komo Machine has been developed specifically for the customer who requires a machine with the flexibility of two tables and one or two spindles. These machines feature a moving table configuration and spindle-mounted tool changers.

Features

- ◆ Four-pole, 18HP (13.2kw), 24,000 RPM, HSK 63F, fan-cooled spindle (standard; other spindle options available)
- ◆ 15 position automatic tool changer with aggregate capability (optional additional 15 position tool changer available)
- ◆ Air blast for optimal dust/chip evacuation and cooling of the cutting tool
- ◆ Advanced Fanuc HVI servo system tuned for optimum acceleration and deceleration
- ◆ Tool touch-off device with automatic tool data uploading
- ◆ 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

KOMO

One Komo Drive
Lakewood, NJ 08701
www.komo.com

Toll Free: 800-255-5670
Phone: 732-719-6222
Fax: 732-579-5443

Fusion Twin Table Series - Technical Data

Spindle

Quantity	One (1) standard, two (2) optional
Type	18HP (13.2kw), four-pole, fan cooled (standard)
RPM	Up to 24,000, fully programmable
Taper	HSK 63F

Tables

1205	Two (2) 72" (1829mm) x 60" (1524mm) Four (4) 1" (25mm) part location pins per table
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Aggregate-Capable Tool Changer

Max Quantity	15 tools (per spindle)
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	3150ipm (80mpm)
Y Axis	2300ipm (58.5mpm)
Z Axis	900ipm (22.7mpm)
Acc/Dec	83 in/sec ²

Axis Travel

1205	173" (4394mm) x 76" (1930mm) x 11" (279mm)
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Positioning

Accuracy	±0.0008" (0.02mm) linear axis repeatability
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Control System

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

Interface	9" (229mm) dia (2 spindles) recommended volume 900 cfm per spindle
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Vacuum System

With low vacuum sensing interface

Options

Tooling Package	Tool holders, collets, bench top tool changing block, wrench
Vacuum Pumps	Started via pushbutton on main operator panel, with remote start relay
Boring Blocks	Available in a variety of configurations, from nine to 25 spindles
Part Labeling	Print labels directly onto parts prior to machining
Safety Equipment	Laser scanners, light curtains, pressure mats
Configuration	Single 144" (3658mm) x 60" (1524mm) table or 48" and 96" x 60" tables
Dual Screen	Additional 19" screen attached to the HMI
Mist Coolant	For cutting non-ferrous metals
C Axis	Allows use of aggregate tooling, for four axis machining capability
Table	Aluminum universal grid, integrated pop-up roller balls
Spindles	Multiple spindles, programmable head spacing and/or shroud height, head locks