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routers



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PRODUCT # PC-K001-Q

K Series 1220x2440 Quick Change Router

Performance Specifications

MAX POSITIONING SPEED 400mm/sec

X Y CUTTING SPEED RANGE 0-400mm/sec

Z CUTTING SPEED RANGE 0-60mm/sec

SOFTWARE RESOLUTION .003mm

LEADSCREW REPEATABILITY .0013mm

LEADSCREW DIST. ACCURACY ISO C7

(+/- .05mm/300mm)

Features and Benefits

TEKCEL proprietary motion controller

Easy to learn, proven reliable, feature rich controller tailored specifically for these machines

High Cutting Speed

Lowers Production costs, increases throughput

Recirculating Ball Leadscrew Drive on all axes

The best drive system available: High Accuracy, High Speed, long wearing, Low maintenance

Dual Drive on X Axis

Holds Gantry square in all cutting situations, double power for moving the gantry.

High Power DC servo motors

High Speed, High accuracy, High reliability, long wearing, very low maintenance

Square Linear Guide Bearings on all axes

The best bearing system available: Most rigid, long wearing, low maintenance

All Drive mechanism components shielded from swarf

Prevents damage to drivetrain when loading machine, assures long life and low maintenance

Fully welded and planed box section steel table

The only way to ensure flat, straight, rigid support for accurate cutting

Heavy Duty Welded Aluminium Gantry

High strength, light weight permits high accelerations and rigid chatter free cutting

Double Height Z Lift

Permits full depth cutting with long bits, without manually adjusting spindle

Built in toolbox for convenient storage

Keeps tools, clamps, and collets organized

Epoxy Powder Coated

Virtually indestructable coating will keep your machine looking new for years and years

Aluminium Table Top

Stable, solid surface doesn't need

PVC working surface

Provides good gripping face for easy hold down that won't mark your workpiece, which can be re faced many times.

PROCESSING WIDTH 1385mm	ProfileLAB 2D software
PROCESSING LENGTH 2550mm	HSD 3.8 kW Variable Speed Spindle, 0-24,000 RPM
Z AXIS STROKE / CLEARANCE 210 / 120mm	3 ISO 30 Toolholders suitable for use with ER32 collets
MAX MATERIAL THICKNESS 110mm	3 Collets, cover nuts and wrench
MAX MATERIAL WIDTH 1600mm	Tool Bit Fitting Post
OVERALL LENGTH 3400mm	Dynamic Brake Resistor
OVERALL HEIGHT 1590mm	Software Programmable Spindle Speed Control
OVERALL WIDTH 1750mm	Spindle Reversing circuit
TABLE HEIGHT 910mm	Allen Key 5mm
Shipping Crate Dimensions: 3600 x 2000 x 1800	High Velocity Vacuum Dust Extractor Head
Shipping Weight: Consult Factory	6 Hold Down Clamps

Available Options

[PCO-010 TEKCEL Coolant Mist Atomizer](#)

[PCO-011 Spindle Pen](#)

[PCO-013 Toolholder for ATC Spindle](#)

PCO-017 Auto Tool Change Upgrade

PCO-020 RS-232 Signal Booster and Line Isolator

[PCO-022 Material Thickness Sensor](#)

[PCO-028 200 Liter Vacuum Dust Extractor](#)

PCO-32 Positive Displacement Vacuum Pump

PCO-032 Positive Displacement Vacuum Hold Down Pump

PCO-033 Angle Drive for HSD Spindle

PCO-034 Saw Attachment for HSD Spindle

PCO-035 HSD Steered Head Upgrade

PCO-036 Pneumatically Operated Vacuum Hold Down Bypass

Automatic Tool Length Sensor

15m Serial Cable

Earmuffs, Safety Glasses

Owners Manual

Packing Crate

Grease Gun , Tool Holder Cleaning Pad

Warranty

12 months onsite parts and labour

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Power Requirements

415 Volt, 20 Amp 3 Phase Service

Compressed Air, 5CFM, 100PSI

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