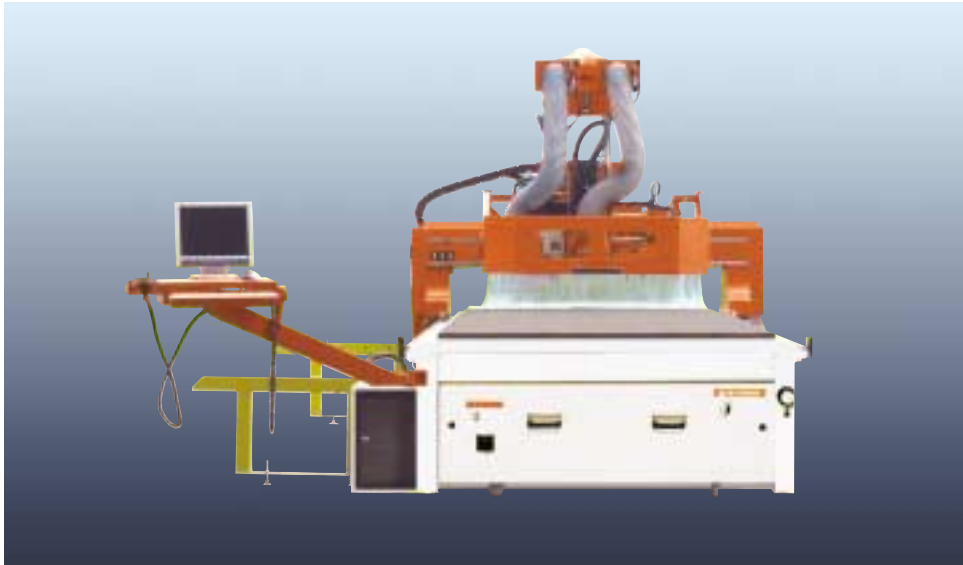


EXCELLENCE IN CNC ROUTER PERFORMANCE AT AFFORDABLE COST



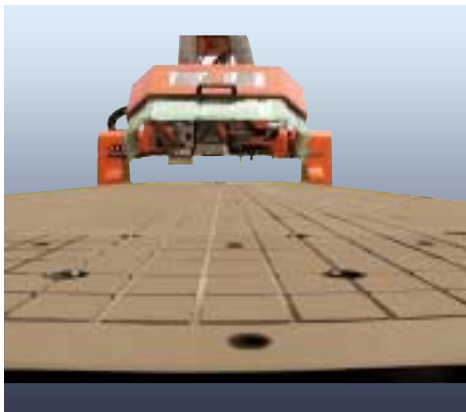
SELEXX
SERIES

Available Models:

- MATE Table Size: 4' x 8'
- PAL Table Size: 5' x 10'
- CHIEF Table Size: 5' x 12'

Engineered for the CNC processing needs of the woodworking, plastic and composite materials industry

The SELEXX CNC Router Series:
BUILT TO LAST



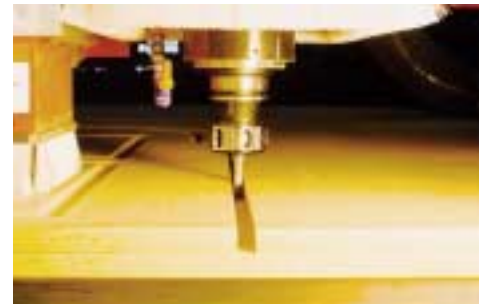
OMNITECH
SYSTEMS INC. 

OMNITECH SYSTEMS

SELEXX CNC ROUTER WITH FANUC CONTROLLER AND FULL TABLE COVERAGE OF BOTH MACHINING HEADS

Designed and built for the demanding CNC Router client who wants a reliable and performance oriented, yet AFFORDABLE CNC Machining Center, the SELEXX series offers uncompromising quality and features, uncommon in a machine in this class.

The small footprint of the SELEXX series allows even the smallest shop to consider the incorporation of a CNC Router - to boost production, lower manufacturing costs and to produce quality parts in the shortest time possible.



- Induction hardened Rack and Pinion Drive on Y-axis - each side with independent servo drive and zero backlash characteristics
- High Precision Linear Guide Rails on ALL axis
- Tool Measuring (touch-off) device for effortless tool calibration
- Universal RS 232 (V.24) TTY interface for DNC
- Phenolic Table Top with vacuum grid suitable for a variety of vacuum hold down possibilities from spoil - board, jigs to vacuum pods.

Router Spindle: ANDI 10 HP (7.5 KW) Spindle with HSK 63F Toolholder

- Rotation speed 1,000 ~ 24,000 rpm, inverter-controlled
- Maintenance-free ceramic bearings, grease lubricated
- ANDI designed internal air cooling system for added longevity
- Spindle rotation speed override control: 50 - 120%

Automatic Tool changer

- No. of positions 8 (eight)
- Type: Indexing rotating carousel changer, to travel with router spindle, saving time and excessive wear
- Dust cover over tool changer to protect sensors and tool holders from dust contamination
- Air Blow Nozzle to clean tool holders before tool change operation
- Brass alloy tool clamps - for added security and longevity

Automatic Drilling Head

- Drill Head has full table coverage
- No. of vertical drills 9 (nine)
- Rotation speed: 4800 rpm
- Drill Bits individually programmable
- CW - CCW rotation - 32mm centers

Standard Features

- FANUC Oi PC front end controller
- FANUC Servo Drives - on ALL axis
- 6 (six) Locator Pins in table for easier part positioning
- HSK 63F Toolholder System
- 8 (eight) tool holders and 16 collets are supplied with the machine
- Models MATE and PAL are equipped with 1 BECKER 10 HP Vacuum Pump
- Model CHIEF is equipped with 2 BECKER 10 HP Vacuum Pumps
- Models MATE and PAL pre-wired for future addition of 2nd Vacuum Pump
- Industrial Grade Ballscrews on X-axis (32mm dia) and Z-axis (20mm dia)



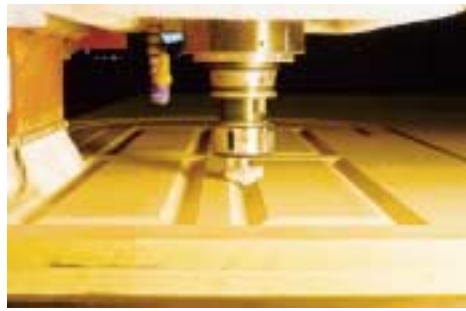
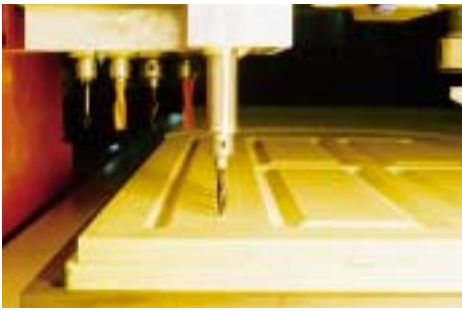
The SELEXX series provides the proven and reliable ANDI spindle, with HSK 63 F tool holder and 8 position carousel tool changer - standard on all SELEXX models.



The 8 position Automatic Tool Changer with protective dust cover



The 9 spindle vertical drill is ideal for line hole drilling and individual point-to-point drilling for various applications. The Drill Head has FULL TABLE COVERAGE



- Safety Barriers (loading side) additional sides available as option
- Transformer 220V - 600V
- Automatic Dust Extraction Dampers (router spindle and drill head)
- The SELEXX series is manufactured by ANDERSON (ANDI) under ISO 9001-2000 standards.

Available Options:

- C-AXIS: 0 - 360 degrees rotating axis (FANUC 21i Controller is applied for this option)
- Drilling Head with horizontal drill and grooving saw (90 deg. X&Y)
- Vacuum Pump upgrades - additional 10HP Pump or 25HP Pump
- Additional Light Barriers (front - right side and back)



Machine Base

Heavy duty industrial grade welded steel construction with multiple reinforcements throughout the frame to provide added stability and vibration free processing.



The Selexx provides for precision linear guides on all axis



The massive - heavy duty gantry construction - supported on both sides of the table ensure vibration free and precision processing of a variety of materials in wood, plastics and composite parts.



The SELEXX series provides over a uniquely engineered dust extraction system - allowing for maximum dust removal during processing.

OMNITECH SYSTEMS INC.

FEATURES – SOLUTIONS – EXPERIENCE



The SELEXX Series MATE - PAL and CHIEF offer today's CNC Router user a unique product for today's demands in a high performance, quality machining center at an affordable cost, by utilizing 25 years of experience from one of the worlds leading CNC Router suppliers, ANDERSON (ANDI). ANDI has incorporated the Know-how and experience of a world leader in industrial CNC Routers to now reflect on the SELEXX series from OMNITECH SYSTEMS INC.

MODEL		SELEXX / MATE (4' x 8')	SELEXX / PAL (5' x 10')	SELEXX / CHIEF (5' x 12')
STROKE	X AXIS	1720 mm (5.643ft)	1835 mm (6.02ft)	1835 mm (6.02ft)
	Y AXIS	2630 mm (8.628ft)	3180 mm (10.43ft)	3880 mm (12.729ft)
	Z AXIS	250 mm (0.82ft)	250 mm (0.82ft)	250 mm (0.82ft)
TABLE SIZE		1300 x 2500 mm (4.265x8.202ft)	1550 x 3050 mm (5.085 x 10.006ft)	1550 x 3750 mm (5.085 x 12.303ft)
MAX. FEED SPEED	X, Y AXIS	50 M/min (164.04ft/min)	50 M/min (164.04ft/min)	50 M/min (164.04ft/min)
	Z AXIS	10 M/min (32.2ft/min)	10 M/min (32.2ft/min)	10 M/min (32.2ft/min)
ATC HEAD WITH	NO 1. OF SPINDLES	1	1	1
	TOOL HOLDER SHANK	HSK63F, AIR COOLED	HSK63F, AIR COOLED	HSK63F, AIR COOLED
	NUMBER OF TOOLS	8	8	8
	SPEED	1,000 ~ 24,000 RPM	1,000 ~ 24,000 RPM	1,000 ~ 24,000 RPM
BORING BLOCK	NO 2. BLOCK (5 x 5)	Max. 4800RPM	4800RPM	4800RPM
TOOL DIA	FOR ROUTER BIT (O.D.)	Max. Ø 25 mm (Ø 0.984inch)	Max. Ø 25 mm (Ø 0.984inch)	Max. Ø 25 mm (Ø 0.984inch)
SHANK	FOR BORING	Ø 10mm (Ø 0.394inch)	Ø 10mm (Ø 0.394inch)	Ø 10mm (Ø 0.394inch)
POWER	ATC HEAD	7.5 KW x 1 (10 HP)	7.5 KW x 1 (10 HP)	7.5 KW x 1 (10 HP)
	BORING	1.5 KW x 1 (2 HP)	1.5 KW x 1 (2 HP)	1.5 KW x 1 (2 HP)
	VACUUM PUMP	1 x 10 HP	1 x 10 HP	2 x 10 HP
AIR PRESSURE		6 KG/cm ² (85 lb/in ²)	6 KG/cm ² (85 lb/in ²)	6 KG/cm ² (85 lb/in ²)
NC CONTROLLER		FANUC	FANUC	FANUC
DIMENSIONS	FLOOR AREA	4000x4400 mm (13.123x14.435ft)	4800x4250 mm (15.748x13.943ft)	5400x4300 mm (17.716x14.107ft)
	HEIGHT	2450 mm (8.038ft)	2450 mm (8.038ft)	2450 mm (8.038ft)
	WEIGHT	2450KG (5397 lb)	2850KG (6300 lb)	3050KG (6718 lb)
AIR CONSUMPTION		450 L/min (15.9cfm)	450 L/min (15.9cfm)	450 L/min (15.9cfm)
SUCTION CAPACITY FOR MAIN SPINDLE		2965 M ³ /HR (1745 CFM)	2965 M ³ /HR (1745 CFM)	2965 M ³ /HR (1745 CFM)
TOTAL CONNECTED LOAD		25 KW/47 A	25 KW/47 A	25 KW/47 A

The manufacturer reserves the right to modify technical specifications.

www.mcs-consulting.de



Our Homepage is a unique and highly developed service tool. Omnitech clients, via their personal password will have 24 hour access to specific product and service related information.

Our spacious and modern facility, located at I-77 and only 15 minutes from the Charlotte International Airport offers a modern showroom and CNC applications center, a software and machine training facility and a well stocked spare parts inventory to serve all your support and service requirements.



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