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Hendrick 20ZXGN-ATCT6-NBM CNC machining center

Hendrick introduces the 20ZXGN-ATCT6-NBM CNC machining center featuring a rotary automatic tool changer mounted on the front of a 12-hp high-frequency router spindle for rapid tool change on the fly, drill block with independent drill actuation by program and high-speed accurate machining capabilities. A heavy structure design and improved CNC control software yields feed rates up to 2,500 ipm and positioning accuracy of ±0.002 in. with repetitive accuracy of ±0.0008 in. The moving gantry design utilizes AC servo drives, THK linear ways and ball screws on all axes for smooth and accurate movement. Other features include PC controller with built-in CAD/CAM software, vacuum table machined for zoning and pod fixturing, as well as air blast tool cooling. The machine is available in many different table sizes

Manufacturer/Brand Name	Hendrick
Model	20ZXGN ATCT6-NBM
Machine Design	Moving gantry
Table Dimension	51" x 102" and 63" x 126"
# of Axes	3
# of Heads	2
Type of Controller	PC based
Tool Changer	Rotary ATC mounted on spindle

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Omnitech SELEXX/ECO

Omnitech Systems Inc. introduces its latest addition to the SELEXX family of CNC Routers, the ECO. The router features a 10-hp spindle, eight-position automatic tool changer with HSK 63F tool holders, a piggyback vertical drill, FANUC controller, industrial vacuum pump and much more. Offered with 4' x 8' table, the machine base is constructed of heavy-duty industrial grade welded steel with multiple reinforcements throughout to provide added stability. The heavy-duty gantry construction, supported on both sides of the table, ensures vibration-free, precision processing of a variety of materials.

Manufacturer/Brand Name	Omnitech Systems Inc.
Model	SELEXX/ECO
Machine Design	Fixed-table moving gantry
Table Dimension	48" x 96"
# of Axes	3
# of Heads	2
Type of Controller	Fanuc Oi front end PC
Tool Changer	8-pos. auto w/ HSK 63F tool system



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Komo Fusion 1205TT

Komo Machine, Inc. introduces the all new Fusion 1205TT CNC machining center. Through the use of high-performance servos and the latest feedback technology from GE Fanuc, Komo has designed a new CNC machine with you in mind. The Fusion 1205TT CNC machining center gives you all the high-quality components that you would expect from Komo Machine, while also giving you the versatility to decide what you want on your CNC machining center. Combine this with Komo's Router-CIM Automation Suite CAD/CAM programming software and you have an innovative CNC solution.

Manufacturer/Brand Name	Komo Machine Inc.
Model	Fusion 1205TT
Machine Design	Twin table, moving table design
Table Dimension	2 tables, 60" x 72" each
# of Axes	3-4
# of Heads	1-2
Type of Controller	GE Fanuc Control
Tool Changer	15-station tool aggregate capable tool changer

Flexicam Stealth Series

The Stealth is designed for high-end production shops and comes equipped with Flexicam's standard AC Servo drive system. These machines are great for all types of demanding applications such as solid surfaces, molds, machining metals, and cutting plastic parts. With multi-faceted production type environments in mind, there is a large range of automatic tool changing spindles available to address specific application requirements along with numerous aggregate options to utilize full machine automation.

Manufacturer/Brand Name	FlexiCAM CNC Routers
Model	Stealth Series
Machine Design	Steel base frame
Table Dimension	61" x 121"
# of Axes	3
# of Heads	1 standard, additional opt.
Type of Controller	Servo
Tool Changer	Automatic



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Biesse Rover A

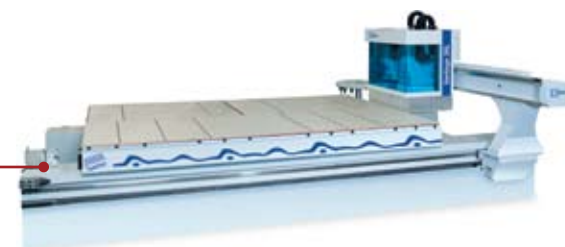
Rover A is Biesse's new entry-level machining center designed for the production of furniture, core panel doors, wooden door elements and windows. It's a compact machine for high performances, ideal both for small and medium companies and for the development of new products in big companies. The highly powerful electrospindle, thanks to the proprietary technology "Double-Power," and the boring unit with independent spindles grant a wide coverage of the working field. The machine is equipped with a capacious tool magazine, which moves together with the X carriage so that the tools are always available for automatic tool change, therefore minimizing downtimes. The capacity of the tool changer and the possibility of loading thick pieces on the machine allow the use of aggregates for the performance of all the horizontal workings typical of the machining of doors.

Manufacturer/Brand Name	Biesse
Model	Rover A ATS/EPS
Machine Design	Moving gantry, flat table or pods and rails
Table Dimension	Up to 50.7" x 145"
# of Axes	Up to 4
# of Heads	Up to 3
Type of Controller	PC driven
Tool Changer	HSK-F63

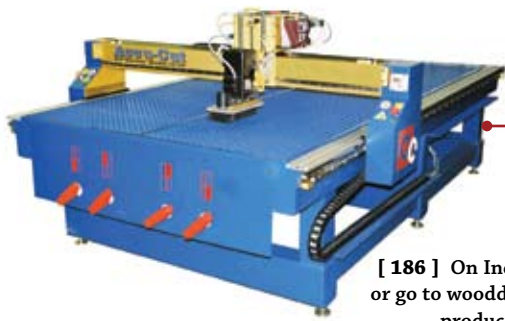
Weeke Vantage 36 L

Stiles Machinery Inc. introduces a new gantry style CNC processing center. The new Weeke Vantage 36 L is capable of processing speeds up to 105 m/min and weighing in at almost 15,000 lbs. The machining head rides on THK linear motion guides for straight line tracking at high travel rates with outstanding stability both in the radial and side directions. The machine comes standard with a 14-position automatic tool changer operating on the X-, Y- and Z-axes as well as a rotary C-axis. Designed primarily for routing and boring of flat components nested into full sheets of material, the processing tools utilize the entire working area of the 12' x 5' table. The Vantage 36 L features a Windows-based control with intuitive programming software

Manufacturer/Brand Name	Weeke
Model	Vantage 36 L
Machine Design	Solid steel base, gantry
Table Dimension	61" x 144"
# of Axes	4
# of Heads	12-hp router w/ 10 high-speed spindles
Type of Controller	Beckhoff high-speed CNC control w/ MCC-Windows
Tool Changer	Rear-mounted 14-pos. ATC



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Computerized Cutters Accu-Cut XP

Computerized Cutters, Inc. manufactures the newly designed Accu-Cut XP line of routers. The massive steel welded frame is precision machined as one unit, at one time, to ensure accuracy and squareness. Dual motor driven gantry is available with 12-position tool changer. Wireless joystick controller, Automatic tool height calibration, and Perske Spindles — 52 are standard. Other features include repeatability to $\pm .001$, moving speed to 1,200 ipm, and opens G & M Codes, DXF and HPGL files.

Manufacturer/Brand Name	Computerized Cutters Inc.
Model	Accu-Cut XP Router
Machine Design	Heavy welded table, rack and pinion
Table Dimension	4' x 4' through 6' x 12'
# of Axes	3
# of Heads	1 standard, 2 or more opt.
Type of Controller	Mach3 Software controller
Tool Changer	12-pos., gantry mounted

C.R. Onsrud Frame Pro Series

C.R. Onsrud introduces a specially designed CNC manufacturing system for the high-volume production of 4x8 plywood sheets. The Frame Pro is available in either the cast iron fixed bridge moving table design with efficient material handling, the more efficient twin table moving gantry design, or the most efficient continuous triple table moving gantry design. All three Frame Pro Series designs are available with or without roller hold-down capability, with or without multiple heads, with or without multispindle piggyback drilling blocks, and with or without automatically adjustable servo head spacing. With single head, triple table configurations providing up to 19 sheets per hour, and multiple head configurations offering even higher volume, your company can get more machining capacity out of less footprint than ever before.

Manufacturer/Brand Name	C.R. Onsrud
Model	Frame Pro Series
Machine Design	Moving gantry
Table Dimension	48" x 331"
# of Axes	3
# of Heads	1, 2 opt.
Type of Controller	OSAI
Tool Changer	12-pos. dynamic rotary



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Busellato Jet Optima RT

Busellato's Jet Optima RT CNC router has a 4' x 10' working field; HSK electrospindle; 18-spindle drilling head with complete table coverage; seven available tool positions in a new parallel tool changer format located under the Y beam for high-speed tool change; laser for pod positioning; flexible pod and rail system complete with veneer and standard reference pins; optional 360 axis; and Genesis Evolution software complete with Autolink.

Manufacturer/Brand Name	Busellato	Busellato
Model	JET Optima RT	JET 200 RT
Machine Design	Fixed-table, c-frame	Fixed-table, c-frame
Table Dimension	49" x 121"	49" x 121"
# of Axes	3-4	3-4
# of Heads	1	1
Type of Controller	TPA	TPA
Tool Changer	Auto rotary	Auto rotary

Accu-Router Remanufacturing program

Accu-Router has launched a complete remanufacturing program with existing Series III and III-C machines originally built between 1988 and 1999. The remanufactured Series III features double the output of the original machine when it was new for about half the cost of a new machine. The program offers significant productivity improvements at almost half the cost plus a new one-year warranty.

Manufacturer/Brand Name	Accu-Router Inc.
Model	Remanufactured, Model 46
Machine Design	Basic CNC router
Table Dimension	4' x 8' single table
# of Axes	3
# of Heads	1
Type of Controller	Fanuc Oi-MC
Tool Changer	Quick-change spindle



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Techno CNC Router Systems

Techno Inc. CNC Router Systems will expand your business with over 25 machine models that perfectly balance quality with economy. With a variety of spindles, CNC cutting tools and customization options, Techno's family of CNC routers can create the perfect cutting application platform for your shop, no matter the size, the company says.

Manufacturer/Brand Name	Techno, Inc. CNC Router Systems	Techno, Inc. CNC Router Systems	Techno, Inc. CNC Router Systems
Model	LC Series	LC "X" Series	PanelMaster Pro Series
Machine Design	Gantry	Gantry	Gantry
Table Dimension	30" x 24", 48" x 48", 48" x 96", 60" x 120" or 78" x 120"	48" x 48", 60" x 120" or 78" x 120"	60" x 96 or 60" x 120"
# of Axes	3-4	3-4	3-4
# of Heads	1-2	1-2	1-2
Type of Controller	Servo	Servo	Servo
Tool Changer	Automatic or manual	Automatic or manual	Automatic or manual

Multicam 5000 Series

MultiCam 5000 Series CNC routers are an ideal choice in today's competitive woodworking environments. The rigid all-steel construction and space-saving, moving-gantry design provides a flexible machine for woodworking that is easily configured with a large range of standard table sizes and spindle configurations to meet most application requirements. Exclusive to MultiCam is EZ Control that includes a hand-held keypad interface that simplifies the CNC production process. Anyone can learn to run the MultiCam 5000 Series CNC routers with a few minutes of training.

Manufacturer/Brand Name	MultiCam	MultiCam	MultiCam
Model	5000 Series	3000 Series	MT Series
Machine Design	Moving gantry, helical rack & pinion, brushless AC servo	Moving gantry, helical rack & pinion, brushless AC servo	Moving gantry, helical rack & pinion, brushless AC servo
Table Dimension	50" x 50" to 120" x 242"	50" x 50" to 80" x 193"	25" x 25" to 60" x 120"
# of Axes	3	3	3
# of Heads	1-6	1-2	1-6
Type of Controller	MultiCam EZ Control Standard M&G-code	MultiCam EZ Control Standard M&G-code	MultiCam EZ Control Standard M&G-code
Tool Changer	12-tool rotary turret aggregate ready	6-11 tool linear	12-tool rotary turret aggregate ready



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Morbidelli Author 744 SA

SCM Group USA introduces the new Morbidelli Author 744 SA CNC machining center. The Author 744 SA features a 5' x 14' working field, 15-hp electro-spindle, 10-position tool changer, 38-spindle drill head, and X/Y grooving saw. The Author 744 SA utilizes the Morbidelli tubeless vacuum system with semi-automatic pod positioning. Standard features also include a Dell PC, CAD/CAM software and user-friendly operator interface. This system helps prevent the operator from routing or drilling through vacuum pods and trays. The setup time per field is approximately 20 to 25 seconds depending on the program.

Manufacturer/Brand Name	SCM Group/Morbidelli
Model	Author 700 Series
Machine Design	Fixed aluminum table
Table Dimension	61.41" x 174.23" up to 208.66"
# of Axes	3, 4 opt.
# of Heads	1 standard, 5 opt.
Type of Controller	Office PC w/ industrial PLC
Tool Changer	Rapid 10 standard/opt. 6, 12, 14 or 26

Weeke Venture 05 S

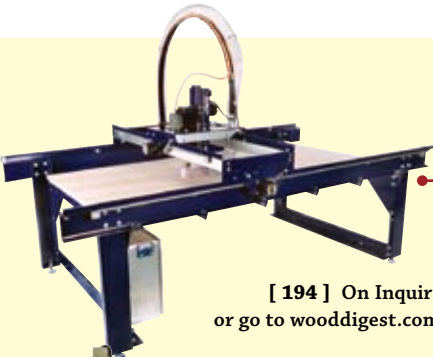
Stiles Shop Solutions presents the Venture 05 S Machining Center from Weeke Bohrsysteme GmbH. The Venture 05 includes powerful drilling, routing and grooving capabilities all in a small footprint for smaller shops. This four-zone machine is equipped with the Beckhoff PLC controller and easy-to-use Woodwop programming software. For added rigidity, the 05 machine is equipped with eight high-speed vertical boring spindles designed with a mechanical locking feature. The steel frame supports speed and flexibility for high-quality end results.

Manufacturer/Brand Name	Weeke
Model	Venture 05 S
Machine Design	Point-to-point (4-zone machine)
Table Dimension	97.5" x 48.75"
# of Axes	3
# of Heads	1
Type of Controller	MCC Control w/ Beckhoff PLC
Tool Changer	N/A



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ShopBot PRSalpha

ShopBot CNC routers offer robust, industrial cutting, machining, drilling and carving for any woodworking shop. ShopBots are designed for manufacturing 2-D and 3-D wood, acrylic or metal products. The ShopBot PRSalpha features technologically advanced, closed-loop motors that combine the best features of servos and stepper. The PRSalpha has rapid transit speeds of up to 1,800 ipm and cutting speeds up to 600 ipm.

Manufacturer/Brand Name	ShopBot Tools, Inc.
Model	PRSalpha 96
Machine Design	Single beam gantry
Table Dimension	96" x 60" x 6"
# of Axes	3-4
# of Heads	1-2
Type of Controller	ShopBot 5-axis controller
Tool Changer	N/A

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Thermwood Next Generation

All Thermwood routers now include advanced CNC control technology called "Next Generation" controls. Next Generation controls provide easier programming and program execution, and provides better machine motion and accuracy. The Next Generation control provides advanced communications including tracking and notification for routine maintenance, along with tool use and life. It also provides 3-D views identifying machine errors and video instructions on how to perform maintenance and repairs.

Manufacturer/Brand Name	Thermwood Corp.
Model	Cabinet Shop 45
Machine Design	Moving gantry
Table Dimension	60" x 120", 60" x 144" or 84" x 144"
# of Axes	3
# of Heads	1, 2 opt.
Type of Controller	Thermwood
Tool Changer	Bar and at the head, 4-12

Multiax Pilot

Multiax CNC introduces the Pilot CNC machining centers. Designed for routing, boring, grooving and hardware inserting for flat panel components, the Pilot features five-sided machining with a patented feed-through chain feeding system, which allows for zero setup. The machine is completely automatic. The zero point reading doesn't need mechanical stops. Each setup of measure (height, length and thickness) is independent and executed by the software. Pilot uses a very small work space and is ideal for producing a variety of different components in a batch size of one.

Manufacturer/Brand Name	REM
Model	Pilot
Machine Design	Chain feed through Zero Set-up
Table Dimension	Length unlimited, width up to 70"
# of Axes	Up to 10
# of Heads	Up to 2 spindles
Type of Controller	PC Pentium
Tool Changer	10 tools per spindle, revolver type



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CNT Motion Systems CNT-950 Series

CNT Motion's rugged new CNT-950 Series Router is built to tackle heavier applications, including plastics, hardwoods, nonferrous metals and solid surface. The CNT-950 features a 60" x 120" machining area, Danaher AC brushless Servo motors (1,200 ipm) and a 25mm Hiwin Ball Screw X-axis. Tool changers, boring heads and vacuum fixturing round out a reliable and affordable CNC router that's perfect for those new to CNC, or shops looking to add second or third machine.

Manufacturer/Brand Name	CNT Motion System
Model	CNT-950
Machine Design	Bridge and gantry
Table Dimension	60" x 120"
# of Axes	3
# of Heads	2
Type of Controller	Windows PC
Tool Changer	10-hp HSD ISO-30