

# CNC WOODWORKING CENTERS

Ultimate Craftsmanship from  
Modern Technology



HOLYTEK's wide range of CNC Woodworking Centers stand out for their excellent efficiency, versatility and accuracy. Each machine is ruggedly constructed, combined with state-of-the-art CNC control to make every job easier.

## HOLYTEK



NR-260 - equipped with rotary  
8-position tray ATC.

## Vertical

### CNC Working Center NR-260

A compact machine with high performance of 3 entirely controlled axes.

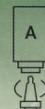
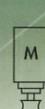
Make use of the latest technology - advanced 3-D CAD and structural analysis system for optimum design.

The machine structure is constructed from high quality steel with strengthened ribs and stress relieved to ensure great rigidity and prolonged precision.



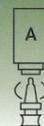
NR-260L / 2

#### SPECIFICATIONS



Model		NR-260 basic	NR-260	NR-260L / 2
Dimensions of working table	mm	1500 x 900	1500 x 900	1800 x 950
X-axis travel	mm	1500	1500	1800
Y-axis travel	mm	900	900	950
Z-axis travel	mm	250	250	250
<b>Max. positioning speed:</b>				
X/Y- axis	m/mm	45	45	45
Z-axis	m/mm	15	15	15
Power of routing spindle	hp	7.5~15	7.5~15	7.5~15 x 2
Rotation speed	rpm	1200~18000	1200~18000	1200~18000
<b>Integrated automatic tool changer:</b>				
Tool interface			ISO 30	
Capacity of tool magazine			8	
Capacity of vacuum pump	m <sup>3</sup> /hr	68(50Hz, 3hp)	68(50Hz, 3hp)	136(50Hz, 3hp x 2)
<b>Machine dimensions:</b>				
Floor area	mm	3010 x 2400	3010 x 2400	3310 x 2450
Height	mm	2300	2300	2300
Weight	kg	1600	2000	2700

NR-360 plus - equipped with a complete set of machining units, including ATC routing spindle 0°/90° saw unit and multi-spindle vertical and horizontal boring head.



## SPECIFICATIONS

Model	NR-360	NR-360 plus	NR-360 / 4
Dimensions of working table	2450 x 1300mm	2450 x 1300mm	2450 x 1300mm
X-, Y-, Z-axis travel	2500/1300/250mm	3300/1300/250mm	3300/1300/250mm
X-, Y-, Z-axis max. positioning speed	45/45/15m/min	45/45/15m/min	45/45/15m/min
<b>Machining unit:</b>	<b>ISO30 ATC routing spindle</b>	<b>ISO30 ATC routing spindle</b>	<b>ISO30 ATC routing spindle</b>
	Motor: 7.5~15hp Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs	Motor: 7.5~15hp Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs	Motor: 7.5~15hp x 2 Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs x 2
		<b>3-HP boring head</b>	<b>3-HP boring head</b>
		Rotation speed: 5100rpm Vertical spindles: 5 Horizontal spindles: 4	Rotation speed: 5100rpm Vertical spindles: 5 Horizontal spindles: 4
		<b>5-HP 0° / 90° saw unit</b>	<b>5-HP 0° / 90° saw unit</b>
		Rotation speed: 5500rpm Max. saw blade diameter: 250mm	Rotation speed: 5500rpm Max. saw blade diameter: 250mm
Capacity of vacuum pump	250m³/hr (50Hz, 7.5hp)	250m³/hr (50Hz, 7.5hp)	250m³/hr (50Hz, 7.5hp)
<b>Machine dimensions:</b>	Floor area: 3680 x 2510mm Height: 2300mm Weight: 4000kgs	Floor area: 5000 x 2510mm Height: 2560mm Weight: 5000kgs	Floor area: 5000 x 2510mm Height: 2560mm Weight: 6000kgs

## Fixed-portal

### CNC Working Center NR-360

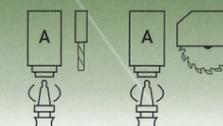
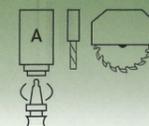
Flexibility and versatility in the machining of medium-and large-size workpieces.

Exceptionally rigid mechanical structure with stationary and moving table guarantees maximum machining precision.

The design of fixed ball screws with rotary lead nuts ensures vibration-free movements even during high acceleration and deceleration.



NR-360 / 4



NR-1050 / 2



## Fixed-portal CNC Working Center NR-1050

Versatile configuration makes the NR series the ideal solution for all machining needs.

NR-1050 / 4



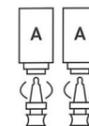
Mass production of complex parts.

Engineered and built with the structural integrity to withstand the most demanding of applications.

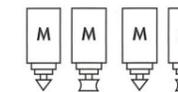
### SPECIFICATIONS



NR-1050



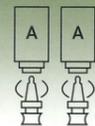
NR-1050 / 2



NR-1050 / 4

Model	NR-1050	NR-1050 / 2	NR-1050 / 4
Dimensions of working table	3000 x 1500mm	3000 x 1500mm	3000 x 1500mm
X-, Y-, Z-axis travel	3000/1600/250mm	3500/1600/250mm	3500/1600/250mm
X-, Y-, Z-axis max. positioning speed	45/45/15m/min	45/45/15m/min	45/45/15m/min
<b>Machining unit:</b>	<b>ISO30 ATC routing spindle</b>	<b>ISO30 ATC routing spindle</b>	<b>Manual-collet routing spindle</b>
	Motor: 7.5~15hp Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs	Motor: 7.5~15hp x 2 Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs x 2	Motor: 7.5~15hp x 4 Rotation speed: 1200~18000rpm
Capacity of vacuum pump	250m <sup>3</sup> /hr (50Hz, 7.5hp)	250m <sup>3</sup> /hr (50Hz, 7.5hp)	250m <sup>3</sup> /hr (50Hz, 7.5hp)
<b>Machine dimensions:</b>	Floor area: 4240 x 3100mm Height: 2300mm Weight: 5000kgs	Floor area: 5800 x 3100mm Height: 2560mm Weight: 6000kgs	Floor area: 5800 x 3100mm Height: 2560mm Weight: 7500kgs

NR-1050 / 2 -  
longitudinal table type.



## SPECIFICATIONS

Model	NR-1050 / 2		NR-1050 plus		NR-1050 / 6
Dimensions of working table	1500 x 3000mm		3000 x 1500mm		3000 x 1500mm
X-, Y-, Z-axis travel	1500/3000/250mm		3500/1600/250mm		3500/1600/250mm
X-, Y-, Z-axis max. positioning speed	45/45/15m/min		45/45/15m/min		45/45/15m/min
<b>Machining unit:</b>	<b>ISO30 ATC routing spindle</b>	Motor: 7.5~15hp x 2 Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs x 2	<b>ISO30 ATC routing spindle</b>	Motor: 7.5~15hp Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs	<b>Manual-collet routing spindle</b>
			<b>3-HP boring head</b>	Rotation speed: 5100rpm Vertical spindles: 5 Horizontal spindles: 4	Motor: 7.5~15hp x 6 Rotation speed: 1200~18000rpm
			<b>5-HP 0° / 90° saw unit</b>	Rotation speed: 5500rpm Max. saw blade diameter: 250mm	
Capacity of vacuum pump	250m³/hr (50Hz, 7.5hp)		250m³/hr (50Hz, 7.5hp)		250m³/hr (50Hz, 7.5hp)
<b>Machine dimensions:</b>	Floor area: 3100 x 4240mm Height: 2560mm Weight: 6000kgs		Floor area: 5800 x 3100mm Height: 2560mm Weight: 7000kgs		Floor area: 5100 x 3100mm Height: 2560mm Weight: 7800kgs

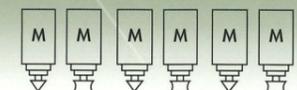
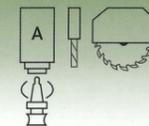
# Fixed-portal CNC Working Center NR-1050

Versatile configuration makes the NR series the ideal solution for all machining needs.

Possibility of configuration with more powerful routing spindles, various types of machining units and tools for a wide range of machining processes.



NR-1050 / 6



Twin-table system

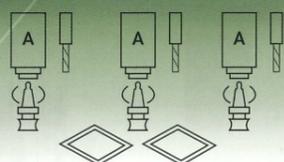


# Fixed-portal Twin-table CNC Working Center Elite Series

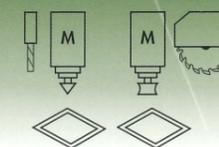
Versatile configuration makes the elite series the ideal solution for all machining needs.

Twin-table system allows continuous production for the machining of two or more different workpieces in one working cycle. For machining bigger workpieces, both tables can be coupled together to form a single working table.

elite 1250 / 6



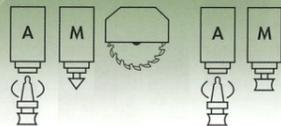
elite 1150 / 4



## SPECIFICATIONS

Model	elite 1250 / 6		elite 1150 / 4	
Dimensions of working table	1800 x 1500mm x 2		1600 x 1500mm x 2	
X-, Y-, Z-axis travel	4600/1600/250mm		4200/1600/250mm	
X-, Y-, Z-axis max. positioning speed	45/45/15m/min		45/45/15m/min	
<b>Machining unit:</b>	<b>ISO30 ATC routing spindle</b>	Motor: 7.5~15hp x 3 Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs x 3	<b>3-HP boring head</b>	Rotation speed: 5100rpm Vertical spindles: 5 Horizontal spindles: 4
	<b>3-HP boring head</b>	Rotation speed: 5100rpm Vertical spindles: 5 x 3 Horizontal spindles: 4 x 3	<b>Manual-collet routing spindle</b>	Motor: 7.5~15hp x 2 Rotation speed: 1200~18000rpm Piggyback broing head 1/2hp x 2
			<b>5-HP 0° / 90° saw unit</b>	Rotation speed: 5500rpm Max. saw blade diameter: 250mm
Capacity of vacuum pump	250m <sup>3</sup> /hr (50Hz, 7.5hp) x 2		250m <sup>3</sup> /hr (50Hz, 7.5hp) x 2	
<b>Machine dimensions:</b>	Floor area: 7500 x 3100mm		Floor area: 5700 x 3100mm	
	Height: 2560mm		Height: 2560mm	
	Weight: 9000kgs		Weight: 8000kgs	

NR-1350 / 5 - equipped with two units of ATC routing spindle, two manual-collet routing spindles and 0° / 90° saw unit.



**SPECIFICATIONS**

Model		NR-1350 / 5
Dimensions of working table		3900 x 1500mm
X-, Y-, Z-axis travel		4700/1600/250mm
X-, Y-, Z-axis max. positioning speed		45/45/15m/min
<b>Machining unit:</b>	<b>ISO30 ATC routing spindle</b>	Motor: 7.5~15hp x 2 Rotation speed: 1200~18000rpm Capacity of tool magazine: 8 pcs x 2
	<b>Manual-collet routing spindle</b>	Motor: 7.5~15hp x 2 Rotation speed: 1200~18000rpm
	<b>5-HP 0° / 90° saw unit</b>	Rotation speed: 5500rpm Max. saw blade diameter: 250mm
Capacity of vacuum pump		250m³/hr (50Hz, 7.5hp)
<b>Machine dimensions:</b>		Floor area: 7500 x 3100mm Height: 2560mm Weight: 9000kgs

# Fixed-portal

## CNC Working Center Customization Series

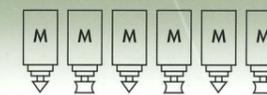
Versatile configuration makes the customization series the ideal solution for all machining needs.

Machine customizations, our speciality.

Possibility of configuration with more powerful routing spindles, various types of machining units and tools for a wide range of machining processes.

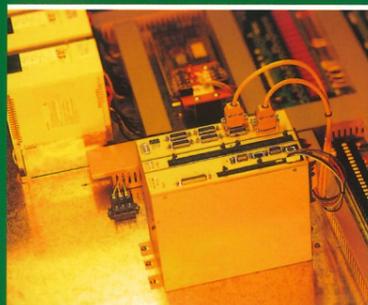


NR-1070 / 6



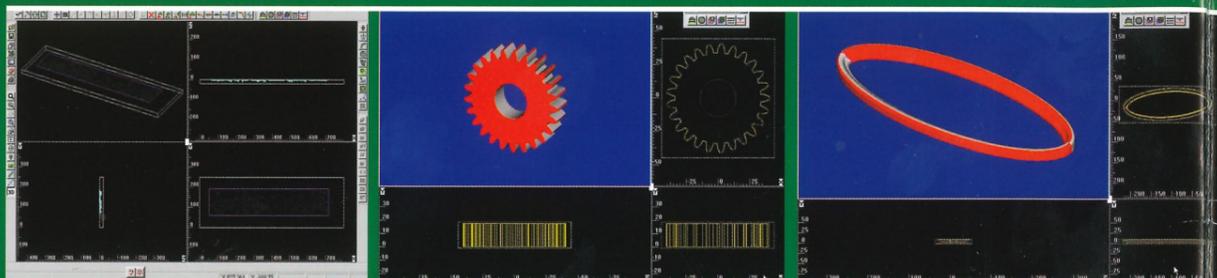
Model		NR-1070 / 6
Dimensions of working table		3000 x 2100mm
X-, Y-, Z-axis travel		3500/2100/250mm
X-, Y-, Z-axis max. positioning speed		45/45/15m/min
<b>Machining unit:</b>	<b>Manual-collet routing spindle</b>	Motor: 7.5~15hp x 6 Rotation speed: 1200~18000rpm
Capacity of vacuum pump		250m³/hr (50Hz, 7.5hp)
<b>Machine dimensions:</b>		Floor area: 7100 x 4300mm Height: 2560mm Weight: 9000kgs

## Ultimate Controller And Operational Power



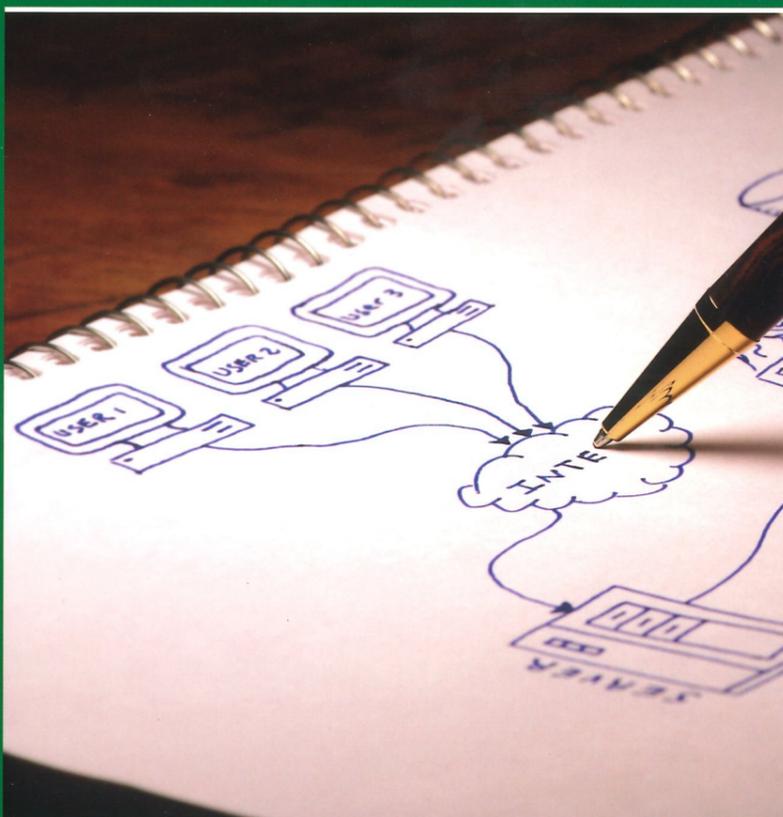
### Compact module design

The structure of the module makes on-site service easy and fast. It adopts industrial PC based hardware and a real time multi-task software platform for the controller. The firm structure meets requirements for stability of the CNC controller, and even exceeds.



### Connection to CAD / CAM software

Generating the CNC program while you are drawing the workpiece. Almost all CAD / CAM systems used in the wood and engineering industries can be used with the control system.



### Built-in FTP network connecting server

The **HOLYTEK** controller is provided with connecting interface of Ethernet network, and it can directly link with PC networks. The controller, as such, is an FTP server, and the online computer can upload, download, and manage the CNC processing program file by the software on the client-side. The user can process A program as uploading B file. Additionally, it can also link up several CNC systems via several CAM workstations.



## HOLYTEK numerical controller

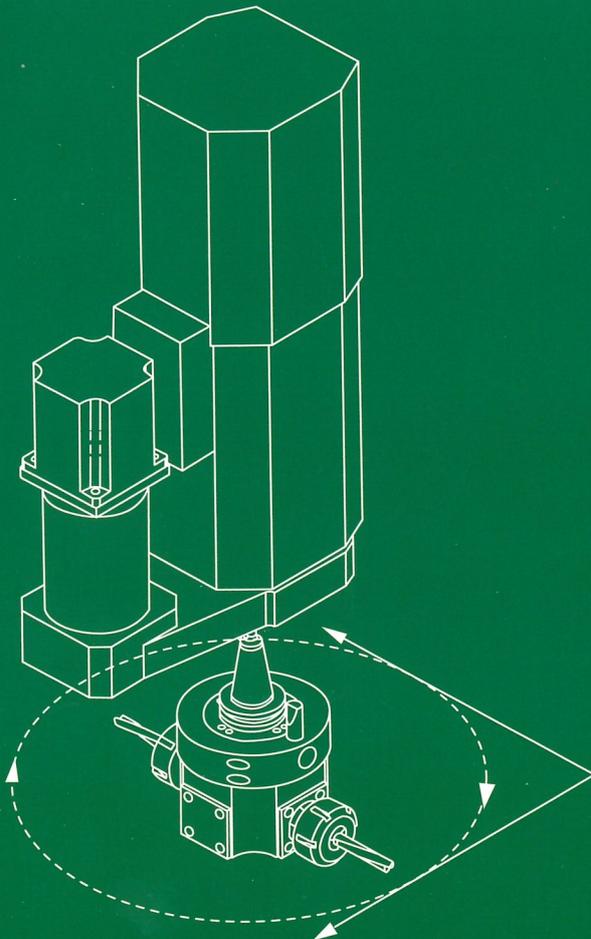
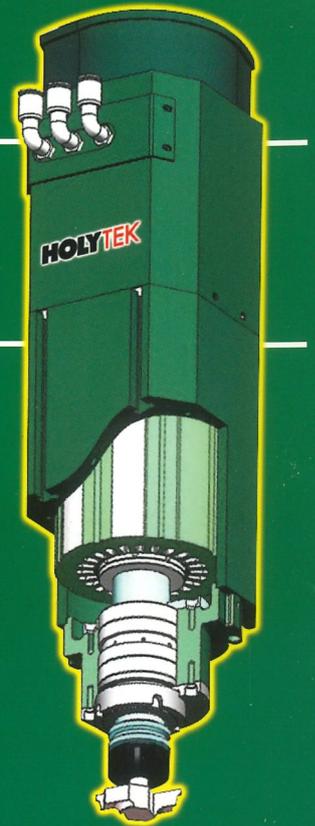
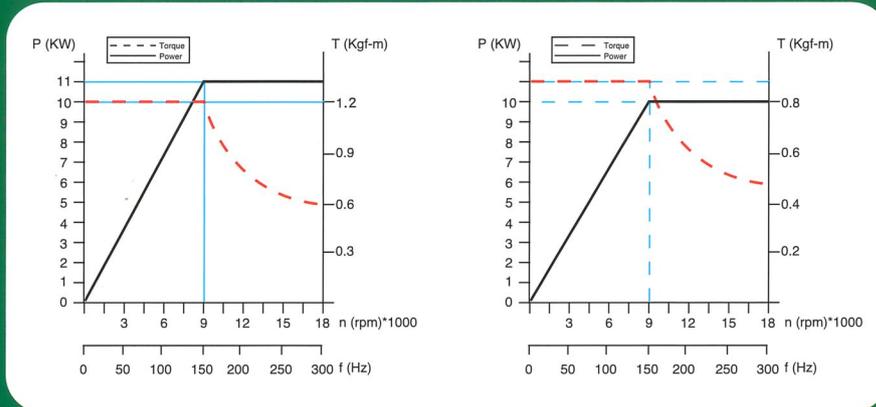
- ▶ Architecture on industrial PC basis.
- ▶ Windows based pull-down menu.
- ▶ Form-filled type programming aid and displays the relative illustration.
- ▶ Error diagnostics with explanatory messages.
- ▶ Teach-in aid program generation.
- ▶ Context sensitive help.
- ▶ DNC function provides long program direct execution of over 64K-byte sent from host computer through RS-232 in 38400 BPS transmission rate and offers a 16 MB buffer for the transmission.
- ▶ Software packet is complete with diskette for editing programs on a remote PC.

# Innovative Research And Development

## HOLYTEK spindle

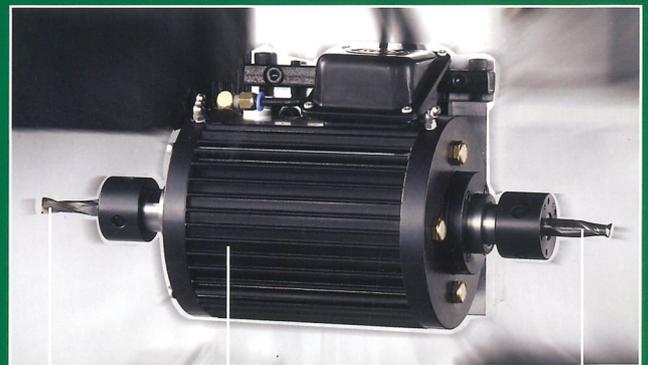
One of the highest standards of electric spindle, having been designed and manufactured for years at HOLYTEK.

Power and torque curve examples high power even at low speeds.



**C-axis:**  
Vector axis "C" enables numerically-controlled positioning of various types of aggregate on the X and Y axes.

## Horizontal spindle with dual outputs.



- ① Tool with length up to 80mm can be used for the machining of hinge pocket.
- ② Adjustable tilting device as optional for the machining on inclined plane.
- ③ Tool with length up to 150mm can be used for the machining of door lock housing.



Rotating head with ATC spindle for 5-axis machines.



ISO 30 ATC spindle.



HSK F-63 ATC spindle(optional).



Spindle with C-axis device.



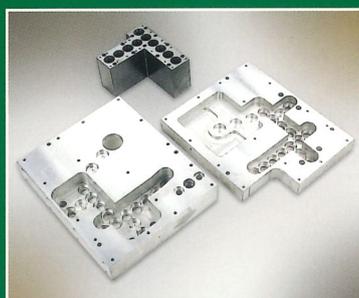
Bottom view of C-axis device.

## High performance components

Multi-spindle boring head. The maximum boring thrust is up to 110 kg, which is much higher than other similar products on the market.



Various kinds of ground gear and spindle for multi-spindle boring head.



All gear boxes of multi-spindle boring head are machined from a single-piece, high-strength aluminum alloy.



Assembled with high-precision tooth-ground gears to ensure a very smooth running.

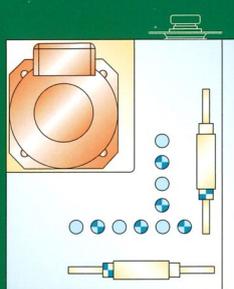
## Boring head configuration



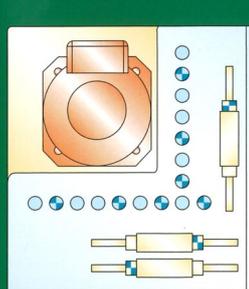
5V+4H



7V+2H



10V+4H+S



16V+6H

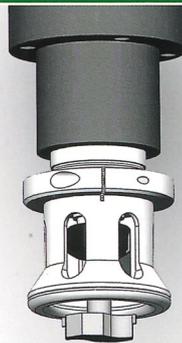
# Machine & Accessory Details



Aggregate with 2 horizontal boring spindles.



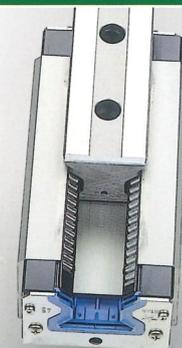
Aggregate with horizontal router spindle.



Tracing head.



Multi-spindle mortising unit.



Roller-type rail system for top load capacity.



Vacuum blocks and retractable stops on router-type table.



Pneumatic stops.



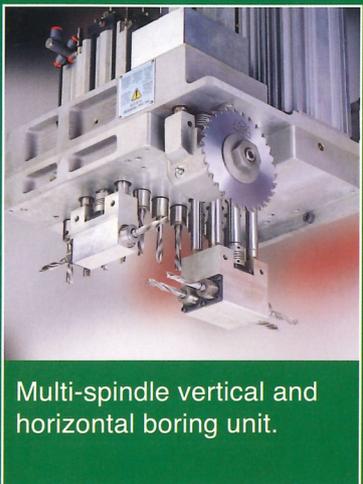
Sawing aggregate.



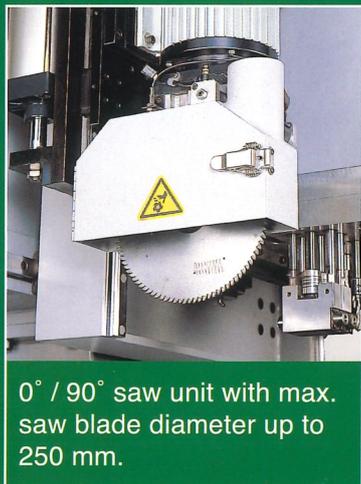
Aggregate with tilting spindle.



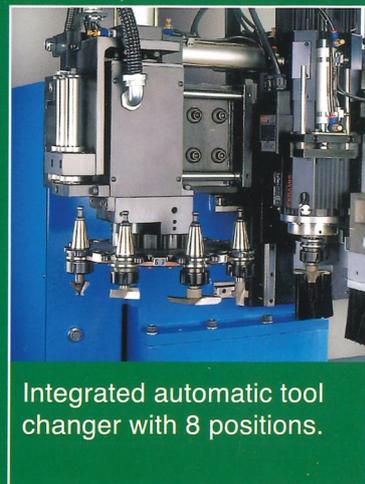
ISO 30 ATC routing spindle with C-axis.



Multi-spindle vertical and horizontal boring unit.



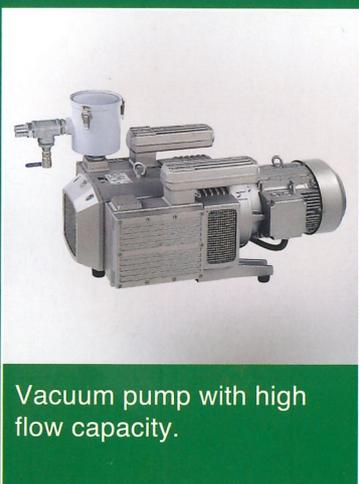
0° / 90° saw unit with max. saw blade diameter up to 250 mm.



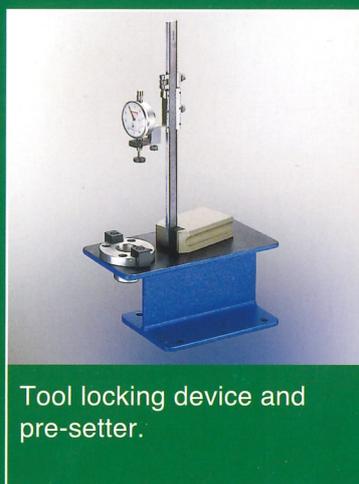
Integrated automatic tool changer with 8 positions.



work-piece



Vacuum pump with high flow capacity.



Tool locking device and pre-setter.



Various types of tool holder with collect.

## The World of Holytek

Over the years , the growth of the company has been steady and strong-going hand in hand with continuous product improvement and customer loyalty and care. It is only through consistent service and customer satisfaction that any company can survive and prosper.

This has been Holytek's mission and is clearly evident in the company's strength and current range of the best quality woodworking machinery available to meet you creative applications and provide increased profitability.

# HOLYTEK

**HOLYTEK INDUSTRIAL CORP.**

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