Centex 481-AE



MOVING BRIDGE TYPE CNC MACHINING CENTER

FEATURES

- One spindle, one tool magazine + 7 vertical 2 horizontal line boring head
- Working table: 1220x2440mm
- Drum type auto. tool change system. Tool magazine capacity 8 tools. Tool change time only 8 seconds. (12 tools is optional).
- Two guide ways ,double sides driving structure, features better overall economy .
- Laser light curtain system, provides safety protection.
- Vacuum table area can be divided into two vacuum zones. When one zone is machining, the other zone can be fed material simultaneously. (optional)
- Full sheet of board can be processed directly, not needing prior sawing. This saves making moulds.
- Suitable for machining complex parts of various types and in small quantities.
- Typical applications: cabinet doors, solid wood doors, computer desks and panel type furniture, etc.



SPECIFICATIONS

	TABLE	Max. working stroke						
Model	Table size	X axis	Y axis	Z axis	Spindle elevation	Workpiece height	Pneumatic boring head lifting	
481-	1220x2440mm	2640mm	2520mm	250mm	150mm	Max.200mm	150mm	
AE	(4x8ft)	(8.66ft)	(4.99ft)	(0.82ft)	(5.9ft)	(7.87")	(5.9")	
481-	1220x2440mm	2640mm	2520mm	250mm	150mm	Max.200mm	150mm	
A	(4x8ft)	(8.66ft)	(4.99ft)	(0.82ft)	(5.9ft)	(7.87°)	(5.9")	



FEATURES

- One spindle, one tool magazine + 7 vertical 2 horizontal line boring head
- Working table: 1220x2440mm
- Drum type auto. tool change system. Tool magazine capacity 8 tools. Tool change time only 8 seconds. (12 tools is optional).
- Three guide ways ,one side driving structure, features heavy duty cutting.
- Vacuum table area can be divided into two vacuum zones. When one zone is machining, the other zone can be fed material simultaneously. (optional)
- Full sheet of board can be processed directly, not needing prior sawing. This saves making moulds.
- Suitable for machining complex parts of various types and in small quantities.
- Typical applications: cabinet doors, solid wood doors, computer desks and panel type furniture, etc.



Hapid :	speed	Spindle	Main	oower	Dimensions
X, Y Axis	Z Axis	Spindle speed	Spindle motor	Vacuum pump	Overall dimensions of machine (L x W x H)
60M/min	20M/min	1000 ~	11HP(8kw)x1	10HP	3400x3000x2300mm
(196.85ft/min)	(65.62ft/min)	24000rpm	HSD	(7.5kw)	(11.15x9.84x75.46ft)
60M/min	20M/min	1000 ~	11HP(8kw)x1	10HP	3500x1900x2300mm
(196.85ft/min)	(65.62ft/min)	24000rpm	HSD	(7.5kw)	(11.48x6.23x75.46ft)

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Centek 5101-A



MOVING BRIDGE TYPE CNC MACHINING CENTER

FEATURES

- One spindle, one tool magazine + 7 vertical 2 horizontal line boring head
- Working table: 1550x3050mm
- Drum type auto. tool change system. Tool magazine capacity 8 tools. Tool change time only 8 seconds.
 (12 tools is optional).
- Three guide ways ,one side driving machine structure, features heavy duty cutting.
- Electronic Safety Mat equipment provides safety protection during machining.
- Vacuum table area can be divided into two vacuum zones. When one zone is machining, the other zone
 can be fed material simultaneously. (optional)
- Full sheet of board can be processed directly, not needing prior sawing by other machine. This saves making moulds.
- Suitable for machining complex parts of various types and in small quantities.
- Typical applications: cabinet doors, solid wood doors, computer desks and panel type furniture, etc.



SPECIFICATIONS

	TABLE	Max. working stroke						
Model	Table size	X axis	Y axis	Z axis	Spindle elevation	Workpiece height	Pneumatic boring head lifting	
5101-	1550x3050mm	3250mm	1850mm	250mm	150mm	Max.200mm	Max.150mm	
A	(5.09x10ft)	(10.66ft)	(6.07ft)	(0.82ft)	(5.9ft)	(7.87")	(7.87")	
5121-	1550x3650mm	3850mm	1850mm	250mm	150mm	Max.200mm	Max.150mm	
A	(5.09x11.98ft)	(12.63ft)	(6.07ft)	(0.82ft)	(5.9ft)	(7.87")	(7.87")	



MOVING BRIDGE TYPE CNC MACHINING CENTER

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Rapid :	speed	Spindle	Main p	oower	Dimensions	
X, Y Axis	Z Axis	Spindle speed	Spindle motor	Vacuum pump	Overall dimensions of machine (L x W x H)	
60M/min	20M/min	1000 ~	11HP(8kw)x1	15HP	4050x2200x2300mm	
(196.85ft/min)	(65.62ft/min)	24000rpm	HSD	(11.25kw)	(13.29x7.22x7.55ft)	
60M/min	20M/min	1000 ~	11HP(8kw)x1	20HP	4650x2200x2300mm	
(196.85ft/min)	(65.62ft/min)	24000rpm	HSD	(15kw)	(15.25x7.22x7.55ft)	

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Centek

An Efficient and Versatile Ma Ideal for Milling, Sawin

MACHINE FEATURES



ROTATION TYPE BALL SCREW / NUT

- Repeatability accuracy ±0.05mm/m
- Features maximum stability and no noise. Rapid traverse rate is up to



PRECISION BEVEL GEAR TRANSMISSION MECHANISM

- Positioning accuracy 0.02mm/m
- Features maximum stability and no noise. Rapid traverse rate of up to 60m/min.



PRECISION SPINDLE, TOOL MAGAZINE AND PNEUMATIC **BORING UNIT**

- The spindle runs in ceramic bearings featuring high temperature resistance, heavy duty machining, high speed and lubrication free.
- The drum type ATC is driven by a Genova wheel mechanism. Tool magazine carries 8 tools for selection.
- Various high speed line boring units for choice.



CNC CONTROLLER (Syntec-900)

- 10.4" TFT LED screen display
- Great memory capacity of 2GB
- Graphic display
- Chinese/English conversion
- RS-232 and DNC transmission function



VACUUM SUCTION SYSTEM

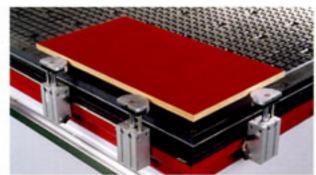
- Equipped with precision filter and check valve vacuum system ensuring long service life of pump.
- Great air exhaust capacity provides instant and secure suction on the workpiece.



PRECISION WATER REMOVAL DEVICE

 Outstanding water filtration efficiency up to 99.9% ensures long service life for all pneumatic components.





WORKPIECE POSITION DEVICE

The workpiece position device provides quick and precise workpiece positioning and lowers slanting amount of workpiece.



VACUUM SUCTION TABLE

Special groove design vacuum table keeps stripes of foam rubber from falling off when board sheets move on the table. Also the fixing vacuum table may function by collocating moving vacuum pads.

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TYPICAL APPLICATIONS

kitchen and cabinet doors



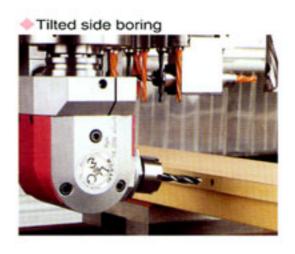
Pneumatic line boring



SOLID WOOD DOORS







Side milling and vertical boring

Sawing and milling

SOLID WOOD STAIRS







PROCESSING STAIR POST



OPTIONAL ATTACHMENTS



SIEMENS CNC Controller ◆ A German brand CNC control



OSAI CNC Controller

An Italian brand CNC control



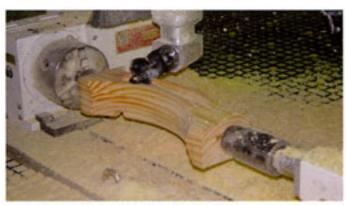
FANUC CNC Controller

A Japanese brand CNC control



C-Axis Rotation Mechanism

 May process any angle between 0° ~ 360° for side processing and saw cutting.



B AXIS WORKPIECE ROTARY MACHINING DEVICE

 Suitable for revolving cylinder type workpieces and stair handrails.



MOVING VACUUM PAD

It may fix on any position of the table to absorb workpiece, and prevents aggregates from colliding with working table.



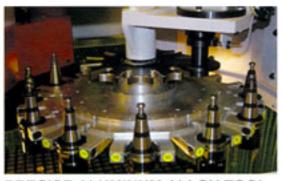
ROLLER CONVEYOR TABLES IN FRONT AND BACK OF MACHINE AND FLOATING TABLE TOP SYSTEM

 This can eliminate downtime for parts changing and also full board sheets can move more easily.



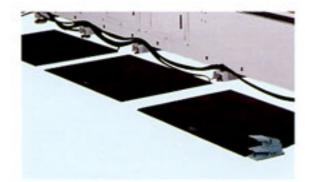
LASER LIGHT CURTAIN SAFETY SYSTEM

 It provides safety protection during operating.



PRECISE ALUMINUM ALLOY TOOL MAGAZINE

 This can tightly and easily fix the configured aggregates for rapid moving.



ELECTRONIC SAFETY MAT

 It provides safety protection during operating.



SPINDLE COOLING SYSTEM & HIGH FREQUENCY SPINDLE

 The circulated forced cooling system permits the spindle running at a constant temperature at all times, ensuring long services life of bearings.



ATS Horizontal Side Sawing Spindle



ATRS Horizontal Side Milling and Sawing spindle



AT2R Double Sided Milling



AT4R 4- Side Horizontal Milling Spindle



OHR Universal Routing and Sawing Spindle



VFR Vertical Trimming Floating Spindle



LRT Square Saw Spindle



UTR Undersurface Trimming Head

VERSATILE MACHINING FUNCTIONS



Profiled Planing ◆曲線平鉋加工



Internal Square Angle Machining ◆内部面角加工



Cross Side Boring 十字側钻加工



Bottom Milling ◆倒立統削加工



Horizontal Side Milling ◆横向側鉄加工



Tilted Sawing 傾斜鋸切加工

PNEUMATIC LINE BORING AND

SAWING ATTACHMENTS



Pneumatic Single Spindle Boring Head



Pneumatic 7 Line **Boring Head**



Pneumatic Saw Head



Milling, Boring and Saw Combination Head



9 Vertical Boring and 1 Saw Combination Head



7 Vertical and 2 Horizontal Boring Head



9 Vertical and 4 Horizontal Boring Head



14 Vertical and 3 Horizontal Boring Head



HOLYTEK

HOLYTEK INDUSTRIAL CORP.

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