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**CNC Machining center with  
linear drive technology**

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# **EXXCEL**

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**Single and Twin table models**

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# ANDERSON's linear technology for and plastic processing



With over 20 years of experience in machine engineering and production, ANDERSON has developed into a world leader of CNC processing machinery for heavy duty and high-accuracy applications. This is the basis for an internationally successful product range, fulfilling the highest demands of today's manufacturing companies, including aerospace industries around the world.

## Reliability and economy is our priority



The ANDI-Fanuc 18 M controller is the result of a consequent continuous development for the increasing demands of the woodworking industry. The circle interpolation of this new generation was once again improved. The optional i-series is available with a high-speed serial bus (HSSB) for connection with a PC and to operate with CAD/CAM system.



# Heavy - duty wood composite

## The advantages of linear technology



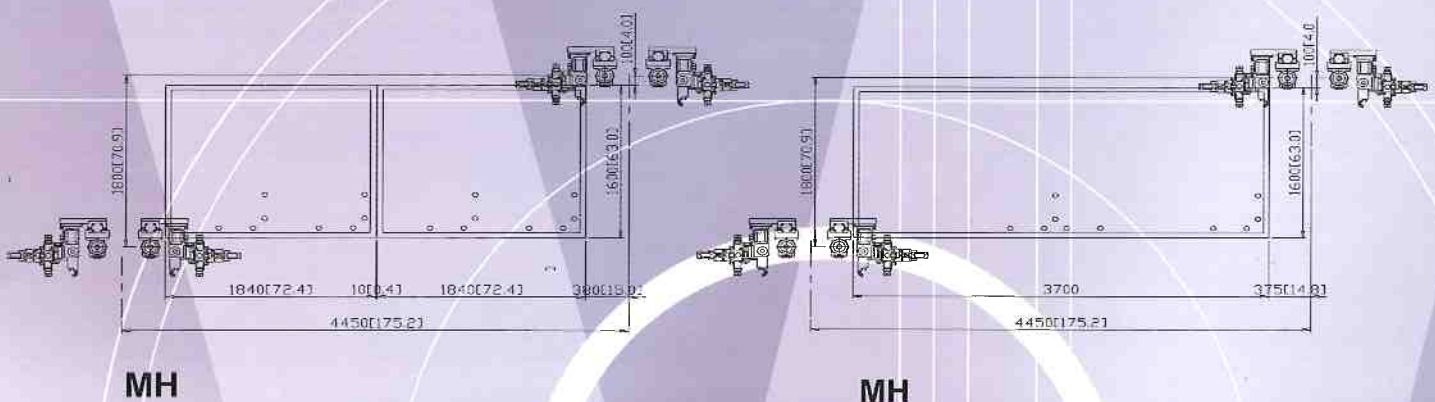
- Positioning accuracy lower than 1/1000 mm possible
- High static and dynamic rigidity
- Excellent drive synchronism
- Driving technology without mechanical wear
- Highest reliability
- Higher acceleration force and feed power

## Aggregate technology



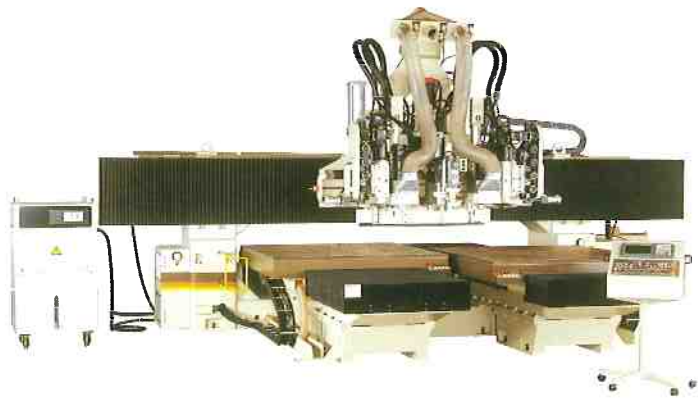
The versatility to individually configure the EXXCEL is a further key advantage of this machine series, allowing the utilization of different boring units, 360° C-axis and a variety of tool changer systems and other machining aggregates.

## Table configuration



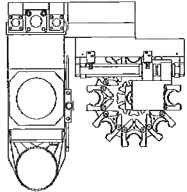
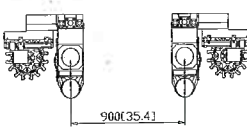
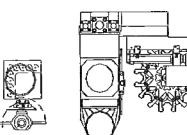
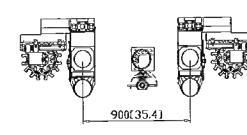
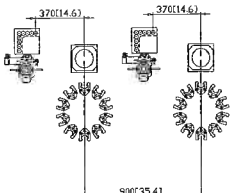
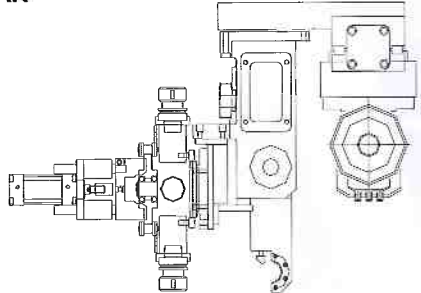
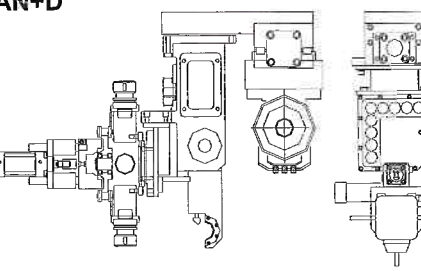
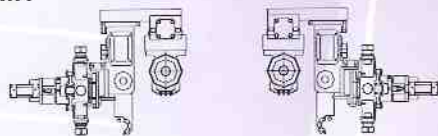
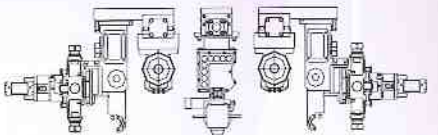
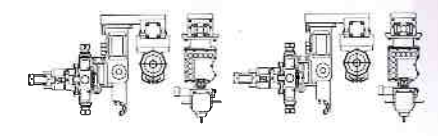
Each table has one set of 60 mm locating pop-up pins inside the working table. The tabletop surface is configured with HPL phenolic providing for multiple fixturing and clamping systems.

# The linear technology of the EXXCEL precision, speed and dependability



The machine base is fabricated from a reinforced welded construction using stress relieved and heat treated high-grade steel in above standard thickness providing excellent vibration compensation. Based on this intelligent and innovative construction ANDERSON has achieved a highly static and dynamic machine base.

## Available spindle configuration

TC / TC2 (+D drilling optional)	RAN (+D drilling optional)	MH (+D drilling optional)
<ul style="list-style-type: none"> <li>• One or two ANDI HSK 63 F (10HP)</li> <li>• 10 pos tool change with PMC system</li> <li>• Boring unit 9 vert + 2 hor + grooving saw</li> </ul>	<ul style="list-style-type: none"> <li>• 1 x ANDI HSK 63 F (10 HP)</li> <li>• 16 pos RanRob tool change with CW/CCW System</li> <li>• Boring unit 9 vert + 2 hor + grooving saw.</li> </ul>	<ul style="list-style-type: none"> <li>• 2 x ANDI HSK 63 F (10HP)</li> <li>• 16 pos RanRob tool change with CW/CCW System</li> </ul>
<p><b>TC</b></p>  <p><b>TC2</b></p>  <p><b>TC+D</b></p>  <p><b>TC2+D</b></p>  <p><b>TC2+D2</b></p> 	<p><b>RAN</b></p>  <p><b>RAN+D</b></p> 	<p><b>MH</b></p>  <p><b>MH+D</b></p>  <p><b>MH+D2</b></p> 



# Series fulfills the highest demands in

## Technical specifications

<b>Basic configuration:</b>	<b>EXXCEL</b>	<b>EXXCEL DUO</b>
Number of vacuum sections / tables	1	2
Table size in X-Y direction	3700 x 1600 mm	2 x 1840 x 1600 mm
Total weight	11500 kg	12000 kg
Total Power	50 KW	50 KW
Max positioning speed in X-Y	100 (m/min)	100 (m/min)
Max positioning speed in Z	30 (m/min)	30 (m/min)
Accuracy of the linear axis X,Y,Z	+/- 0.05 mm	
<b>Spindle data:</b>	<b>ANDI High frequency spindle</b>	
Tool clamping system	SK 30, SK 40, HSK 63 F	
Frequency of the spindle	Oil lubr. = 5,000 – 18,000 rpm Grease type= 5,000 – 24,000 rpm	
Power: S1 100% / peak	10 HP / 15 HP	
Torque: S1 100% / peak	3.98 Nm / 5.84 Nm	
Spindle cooling	Air	
<b>Tool changer</b>	Travel along tool change as selected option	

In this catalogue machines are shown with options. ANDERSON reserves the right to modify technical specifications without prior notice provided that such modifications do not affect safety as per CE- certification.

## Available options

ANDI SK 30 spindle with 10 HP
ANDI HSK 63 F spindle with 10 HP
ANDI water cooled HSK 63 F 10 HP/15 HP
C-axis interpolation system
ANDI boring block for 16 bits
Upgrade to FANUC 18i
Upgrade to FANUC 18i + Panel i
Vacuum preparation kit for 2 <sup>nd</sup> table
Vacuum pump type BECKER 250 m <sup>3</sup> /h
Vacuum pump type SIEMENS 250 m <sup>3</sup> /h