



Anderson Group

3

HIGH PERFORMANCE MACHINING CENTERS

www.anderson.com.tw

SPECTRA

The next generation of CNC Processing Center

Extremely Rigid Steel Base

The base is constructed of heavy gauge bar and tube. Critical alignment surfaces are machined to the highest tolerance. The design of the frame maximizes the machine stiffness and minimizes the machine vibration.

High Accuracy Servo Motors

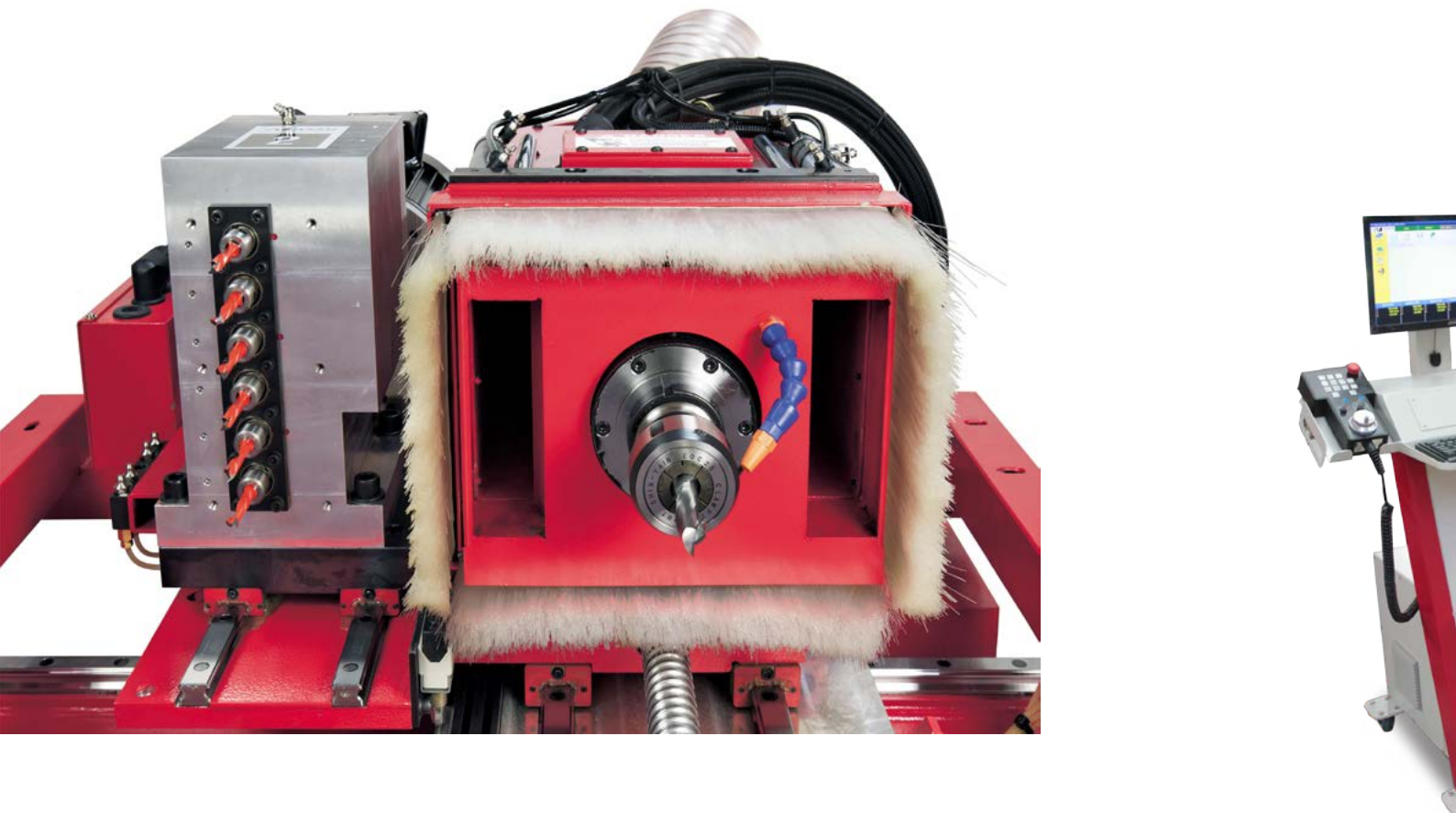
All axes are controlled by high tolerance AC Servo motors. The AC Servo motors allow the machine to position with the highest positioning accuracy, as well as acceleration.





SPECTRA

The next generation of CNC Processing Center



Machine Foundry Rigid construction with vacuum chamber. Standard spindle configuration is a 10 HP Air cooled plus line boring unit. High precision linear guide rails Installed on all axes. Phenolic Table Top With vacuum grid suitable for a variety of vacuum hold down possibilities from spoil-board, jigs to vacuum pods.

The diameter of Tool Touch Off device is 100mm. Movable Pedestal is with an adjustable joint of PC monitor for visually in different angles.

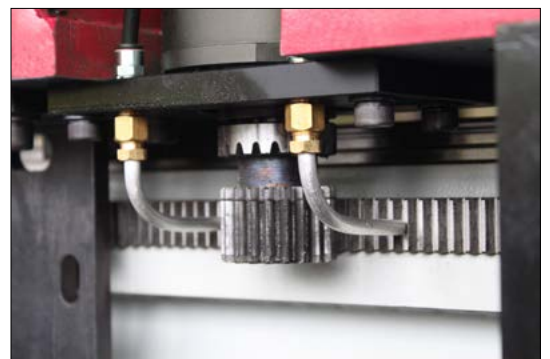
Z axis Ball Screw Diameter: 32 mm Pitch: 10 mm

Pop up pin

For rapid tool changing, saving time throughout the machining cycle.



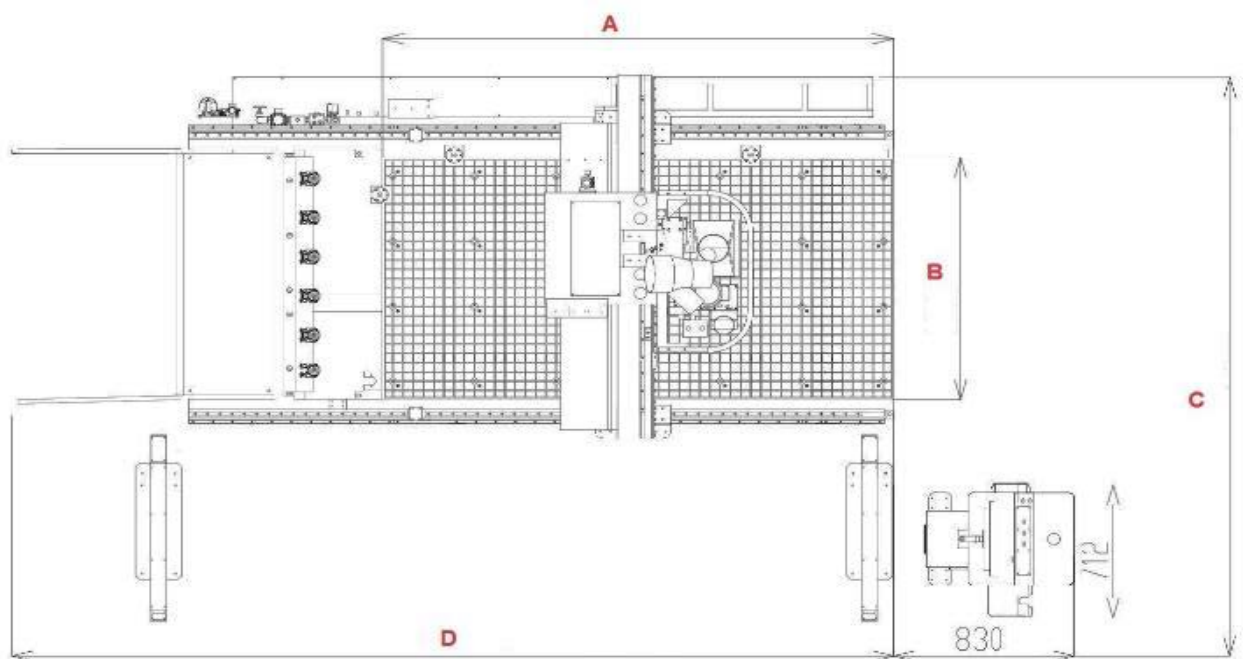
Automatic Tool Pick-up Station
For rapid tool changing, saving time throughout the machining cycle.



Air Nozzle device
For rapid tool changing, saving time throughout the machining cycle.

SPECTRA

Working Area



MODEL	A	B	C	D
SPECTRA 48	2500	1300	2950	4300
SPECTRA 510	3100	1600	3250	4900
SPECTRA 612	3700	1900	3800	6000

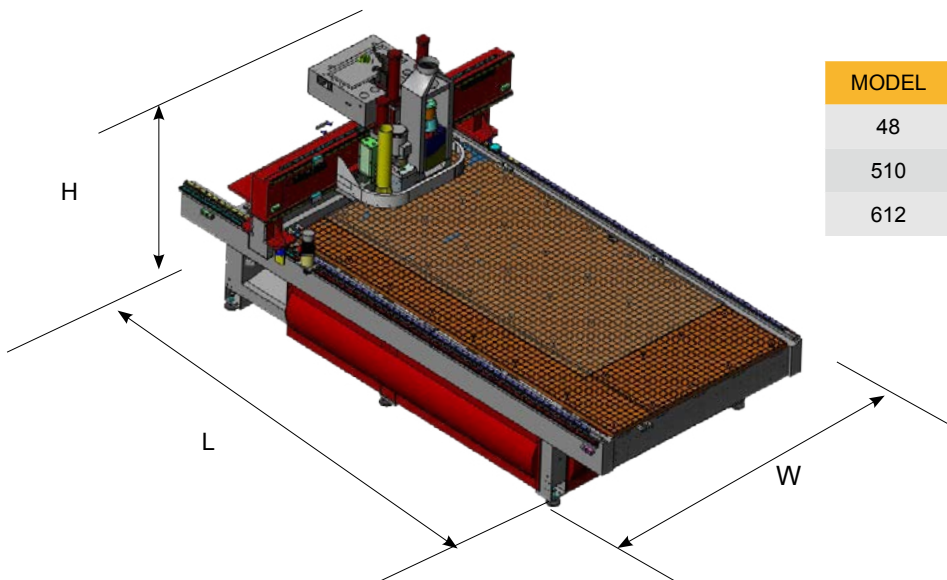
Unit:mm



SPECTRA

Technical Data

MODEL		SPECTRA 48	SPECTRA 510	SPECTRA 612
NO. VACUUM ZONES		1	2	2
TABLE SIZE		2650X1300mm	3100X1600mm	3700X1900mm
STROKE	X-AXIS	2,500mm	3,700mm	3,700mm
	Y-AXIS	1,600mm	1,600mm	2,200mm
	Z-AXIS	200mm	200mm	200mm
DRIVEN SYSTEM	X	RACK & PINION		
	Y			
	Z			
RAPID TRAVERSE	X	60 M/Min		
	Y	60 M/Min		
	Z	20 M/Min		
ROUTER SPINDLE	TYPE	SK-30 AIR-COOLED		
	POWER	10 HP		
	RPM	1,000 - 18,000 RPM		
SHANK DIAMETER	FOR ROUTER BIT	MAX @ 25mm		
AUTOMATIC STATIONARY TOOL CHANGER	ROTATION SPEED	6 POSITIONS	8 POSITIONS	8 POSITIONS
LINE BORING UNIT		5 x 5 VERTICAL DRILLING		
NC CONTROLLER		SYNTEC		
WEIGHT		3,000 KGS	3,500 KGS	4,000 KGS
VACUUM PUMP 250 CBM/HR		1	1	2
DUST EXTRACTION FOR SPINDLE		STANDARD		
LIGHT BARRIERS		3 sets		
POP UP PIN		3		
TOUCH OFF DEVICE		STANDARD		
SAFETY HOOD FOR SPINDLE		STANDARD		
APPLICATION SOFTWARE		CAM PRO HYBRID NEST		
PUSHER		STANDARD		
WARRANTY		12 MONTHS		



MODEL	L	W	H
48	3600	2700	2500
510	4500	3600	2500
612	5500	4000	2500

Unit:mm

Genesis EVO

The next generation of CNC Processing Center

Anderson has more than 40 years of global CNC engineering experience. During this period, Anderson has developed into a world leader of CNC processing equipment.

Anderson CNC routers can process wood, composites, MDF, Melamine board and other non ferrous materials in high accuracy and high production applications.

The machine frame has industrial level bearings and a PC based controller that will allow for a quick installation of both the machine and the software.

The machine provides a steadfast platform for variety of CNC applications.

Primary Applicable Industries:
Panel Industry
Sign & Graphic
Transformer Insulation
Composites
Thermo Plastic
and other Non-ferrous materials





Genesis EVO

Fully automated CNC machining center with touchless loading and offloading capabilities



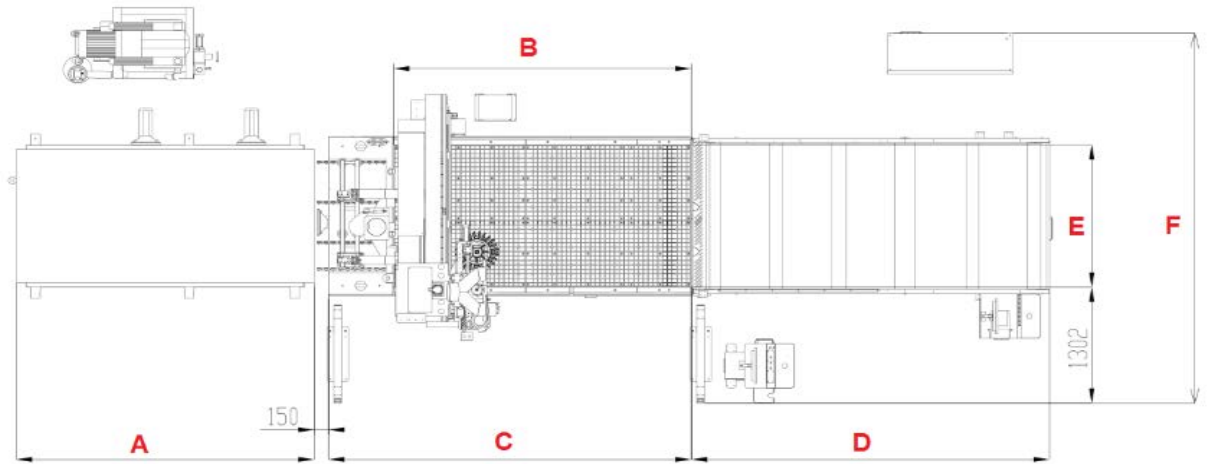
Tool Touch Off device

The diameter of this touch pad is 100mm.

Joint of PC Monitor

Movable Pedestal is with an adjustable joint of PC monitor for different angles.





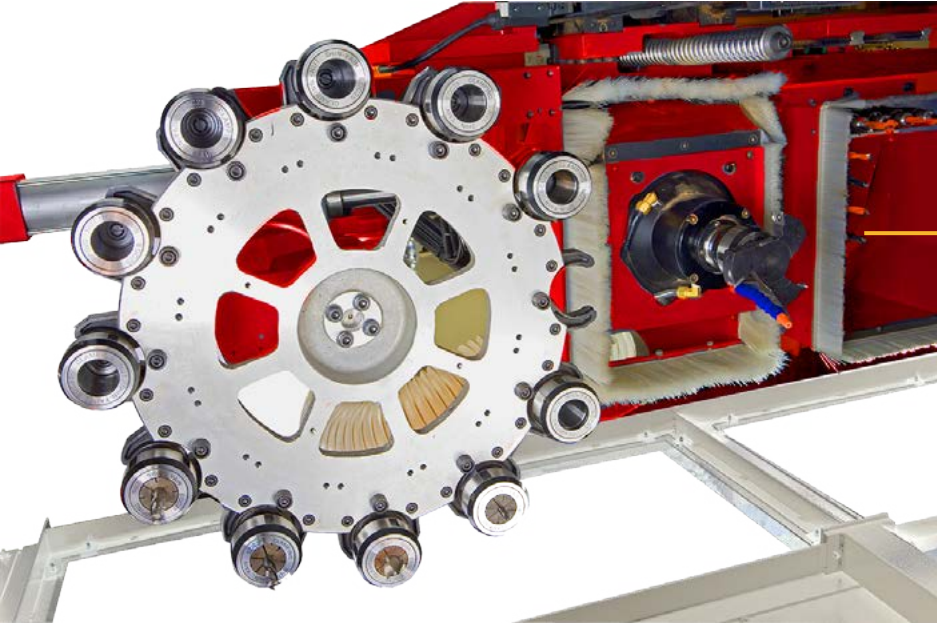
MODEL	A	B	C	D	E	F
Genesis EVO 49	2400	2700	3370	3324	1474	4134
Genesis EVO 510	3100	3100	3770	3924	1752	4034
Genesis EVO 612	3700	3700	4375	4314	2052	5320

Unit:mm



Genesis EVO

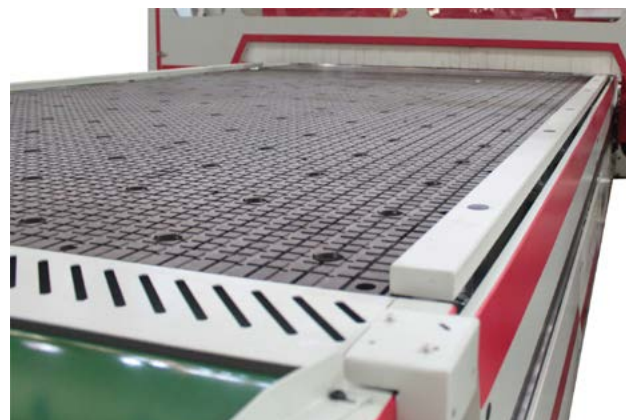
The next generation of CNC Processing Center



12-tool Carousel with PMM System
Boring Unit With 5x5 L Shape



Ball Bearing System for loading Panel



Pop Up Rail

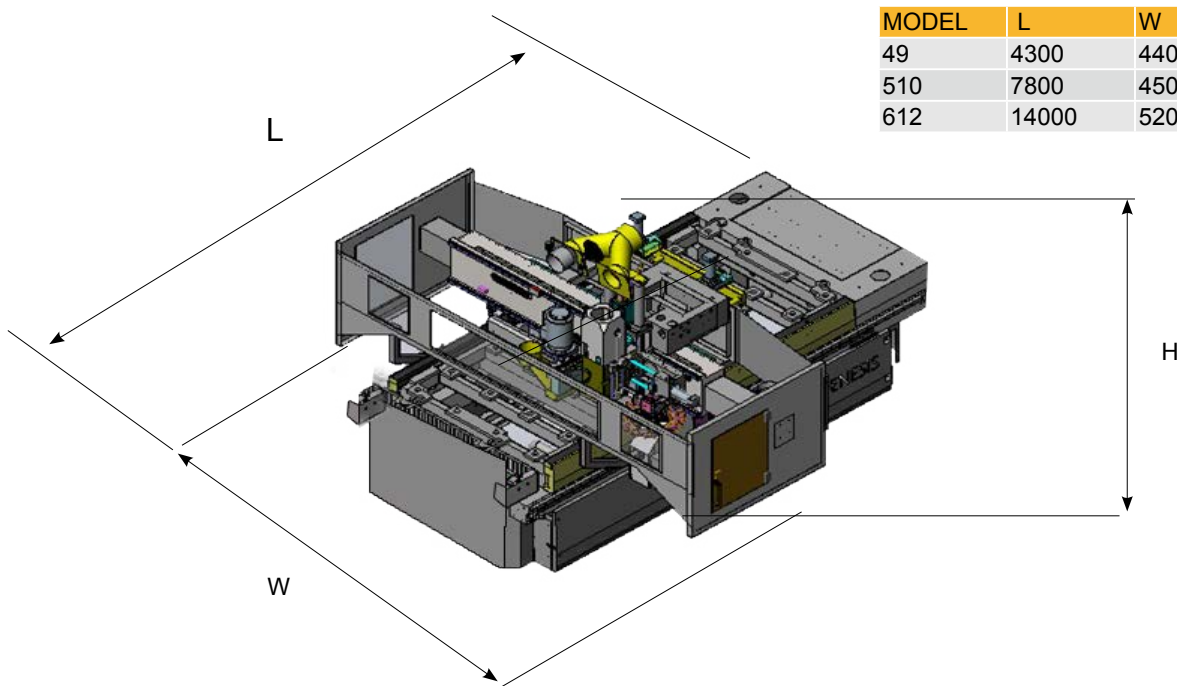
Pop up rail system for panel positioning and parts pushed off.



Genesis EVO

Technical Data

MODEL		Genesis EVO 49	Genesis EVO 510	Genesis EVO 612
STROKE	X AXIS	2900mm	3300mm	3900mm
	Y AXIS	1700mm	2000mm	2300mm
	Z AXIS	200mm	200mm	200mm
TABLE SIZE		2700x1300mm	3100x1600mm	3700x1900mm
VACCUM AREA		1	2	4
MAX.FEED SPEED	X AXIS	80m/min		
	Y AXIS	80m/min		
	Z AXIS	30m/min		
NO.1 ATC HEAD	SPEED	1,000-24,000rpm		
	SPINDEL	HSK-63F		
	POWER	11Kw	11Kw	7.5Kw
DRILL-UNIT	DRILL ROTATION SPEED	4800rpm		
	SHANK OF DRILL	ø10mm		
	POWER	1.5Kw		
TOOL	SHANK OF ROUTER BIT	MAX.ø25mm		
	NUMBER OF TOOLS	8	8	12
POWER		208/240/480V/24Kw65/55/27A		
AIR PRESSURE	HOS:3/4"	6kg/cm ²		
	CONSUMPTION	500L/min		
NC CONTROLER		SYNTEC		
WEIGHT		2200kg	3800kg	6500kg



MODEL	L	W	H
49	4300	4400	2500
510	7800	4500	2500
612	14000	5200	2500

Unit:mm

SELEXX

The next generation of CNC Processing Center

ANDI Routers are proven in the high production manufacturing industry . They are used in all facets of industry through the world , including Aerospace Technology , Woodworking

Production , Plastics and Composite Materials Processing . Due to the solid construction , high quality components , machine characteristics the ANDI Selexx series offers the best price and quality ratio of any cost efficient CNC router on the market today.

ANDI Selexx CNC Routers offers a first class CNC Machining centre . Selexx has been developed specifically to satisfy the client demanding the utmost in technical quality and reliability in a CNC Machining Centre within a cost effective investment.





SELEXX

The next generation of CNC Processing Center

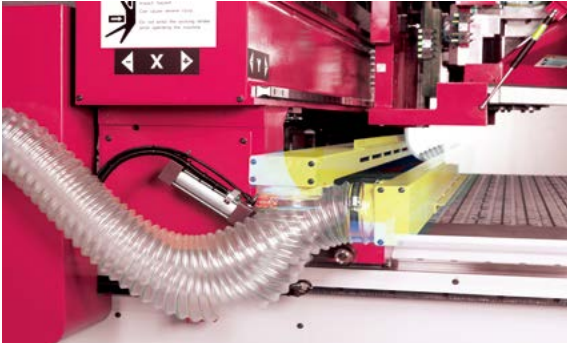


Induction hardened Rack and Pinion drive system

on the X axis ,each side with independent Servo Drive and zero acklash characteristics .High precision Ball Screw drive on the Y and Z axis.

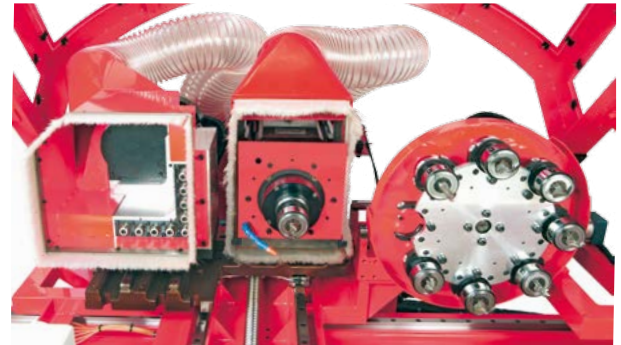
Phenolic Table Top

with vacuum grid suitable for a variety of vacuum hold down possibilities from spoil-board,jigs to vacuum pods



Automatic Unloading Pusher

Optional Pusher increases the machine productivity by up to 90%. At the completion of the machining cycle the pusher transports the completed nest of panels out of the working area allowing immediate loading of the next machining cycle.



Working Spindle

ANDI Heavy Duty High Precision HSK 10hp Router with Rapid Automatic 8 position tool changer making light work of any type of routing or grooving operations. Boring Unit with 9 independent vertical drill spindles allows row hole and point to point drilling operation. Independent Grooving Saw and Horizontal Drilling Units available as an option.



Handheld device

Handheld Device interface allows operator to jog the machine, perform system tests and run CNC programs from a remote computer system.

PC Front End Control

PC with Windows XP operating system allows network or USB interface for downloading of files and connection to other peripheral devices.



Tool Calibration Device

This unique touch-off device allows the cutting tools to be calibrated accurately, simply and safely, the control records the value automatically in to the tool offset file

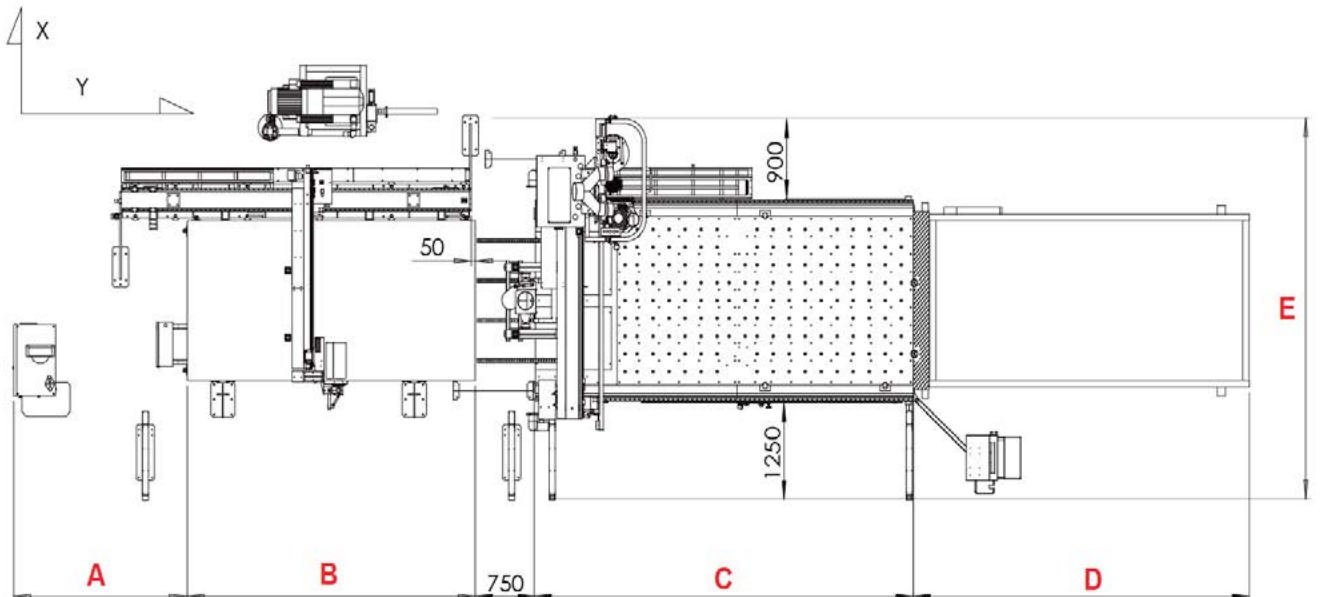


Tool Carousel

On board 8 position heavy duty tool carousel for rapid tool changing saving time throughout the machining cycle.

SELEXX

Fully automated CNC machining center with touchless loading and offloading capabilities



Working Area	A	B	C	D	E
SELEXX 3719 Full Line	2714	3600	4736	4200	4300
SELEXX 3722 Full Line	2714	3600	4736	4200	5200

Unit:mm



SELEXX

Technical Data



MODEL		SELEXX /2513	SELEXX /2519	SELEXX /3713	SELEXX /3719
STROKE	X AXIS	2630mm	2630mm	3900mm	3830mm
	Y AXIS	1720mm	2245mm	2300mm	2245mm
	Z AXIS	250mm			
TABLE SIZE		2500x1300mm	2500x1900mm	3700x1300mm	3700x1900mm
MAX.FEED SPEED	X AXIS	80m/min			
	Y AXIS	50m/min			
	Z AXIS	20m/min			
ROUTER SPINDLE	NO.1 SPINDLE	1			
	TOOL HOLDER SHANK	HSK-63F AIR COOLED			
	NUMBER OF TOOLS	8			
	SPEED	1,000-24,000rpm			
BORING BLOCK	NO.2 BLOCK	4800 RPM			
MOTOR POWER	ATC HEAD	7.5 Kwx1			
	BORING	1.5 Kwx1			
	VACUUM PUMP 250 BM/HR	5.5 Kwx1			
AIR PRESSURE		6kg/cm ²			
TOOL	SHANK OF ROUTER BIT	MAX.ø25mm			
	SHANK OF DRILL	ø10mm			
NC CONTROLER		ANDI-FANUC			
DIMENSIONS	FLOOR AREA	6000x4000mm	6000x4500mm	8000x4000mm	8000x4500mm
	HEIGHT	2450mm			
WEIGHT		3600kg	4500kg	4200kg	6500 kg
AIR CONSUMPTION		450 L/MIN			
DUST EXTRACTION CAPACITY FOR MAIN SPINDLE		2965 M ³ / HR			
TOTAL CONNECTED LOAD/RATES CURRENT		25 KW/47A			

STRATOS PRO

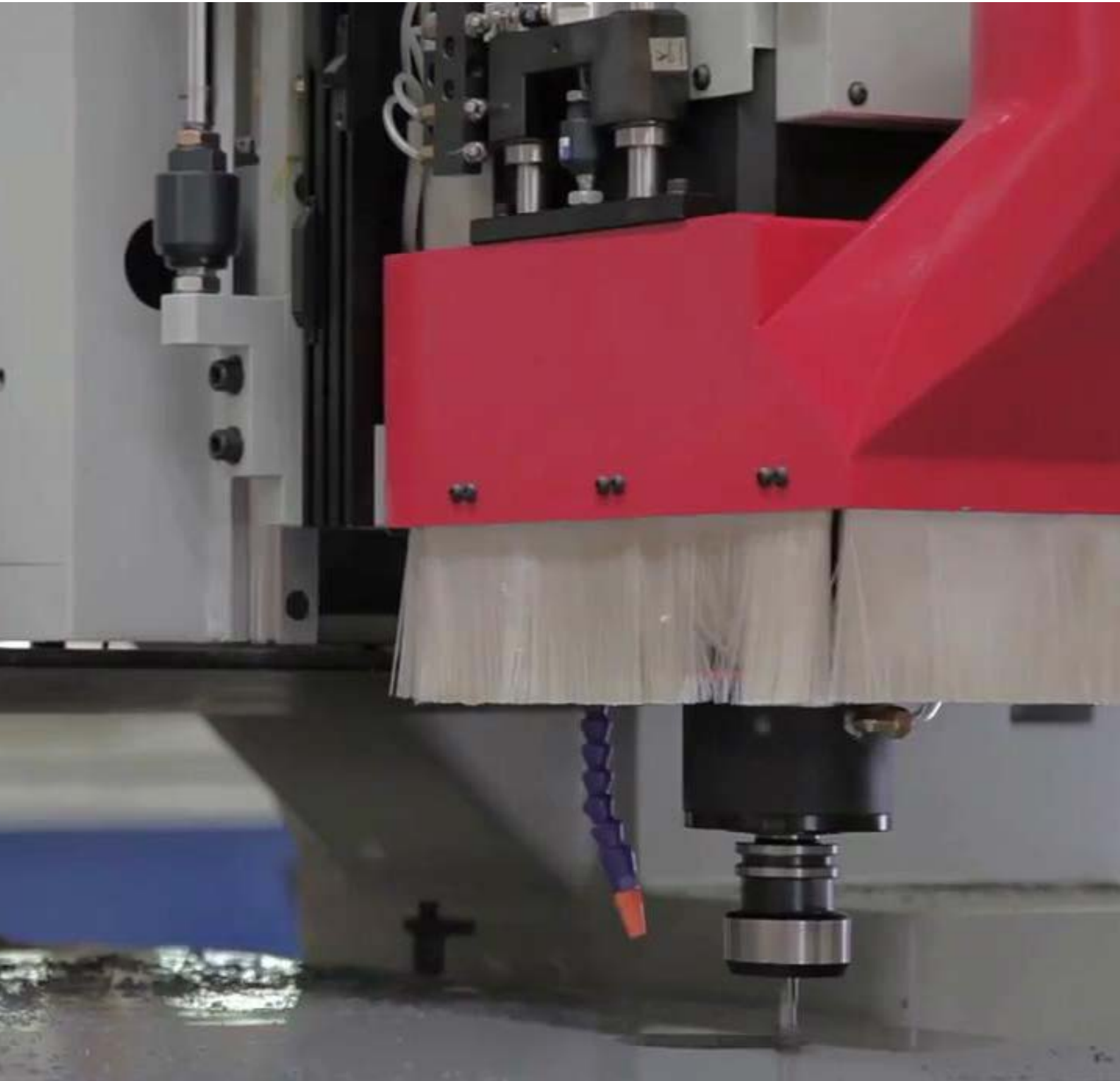
The next generation of CNC Processing Center

The STRATOS pro is especially designed for manufactures who require high production and a flexible machine for their process needs. And good for both individual and nesting based parts machining.

Greatest versatility with excellent processing performance. Reliability and economy is our priority.

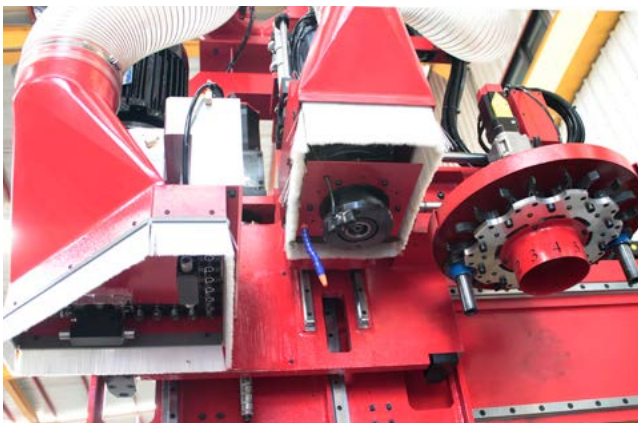
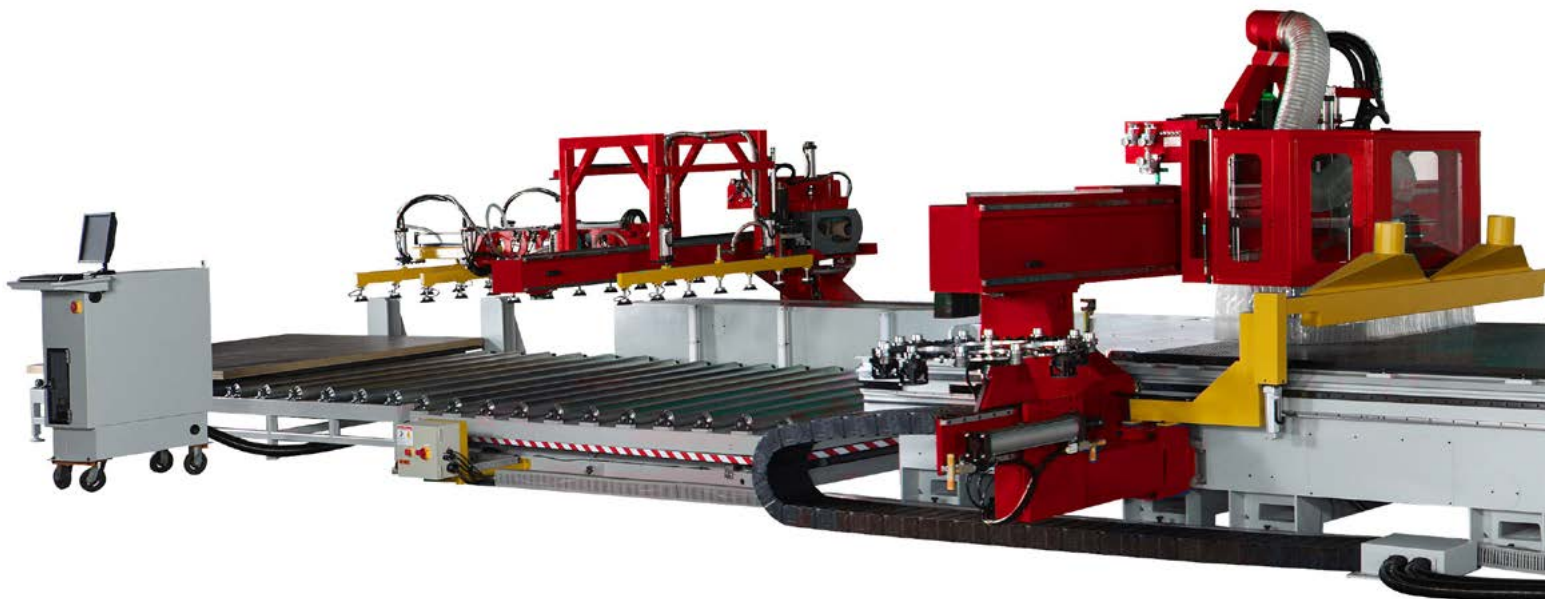
The helical rack & pinion drive allows fast and accurate positioning. Furthermore, this design is possible to extend the table dimensions in X-direction to match customer's needs.

Dual vacuum zones and mirror function. The machine has one set of 90 mm locating pop-up pins inside the working table. The grooved table surface is from HPL phenolic providing for multiple fixturing and clamping systems.



STRATOS PRO

The next generation of CNC Processing Center



The automatic tool change system provides 10 positions as standard and is available for HSK tool holders.



The boring unit is equipped with 16 vertical spindles and two 2-way-spindle unit for horizontal drilling.



Hand-held device

The Hand-held device is designed for easier machine operation.



Tool Touch Off device

The diameter of this touch pad is 100mm.

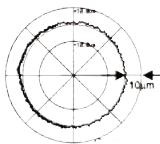
PC Front

The ANDI-Fanuc controller with PC Front-end is the result of a consequent continuous development process for the increasing demands of the woodworking industry.



ANDERSON has developed a high standard of heavy-duty spindle technology, spindle cones fit all commonly available tooling systems. In addition, the ANDERSON spindle is equipped with standard cooling systems and are available with optional water cooling systems.

This Spindles are available for the STRATOS series with a 360o C-axis to partner with standard automatic tool changers.



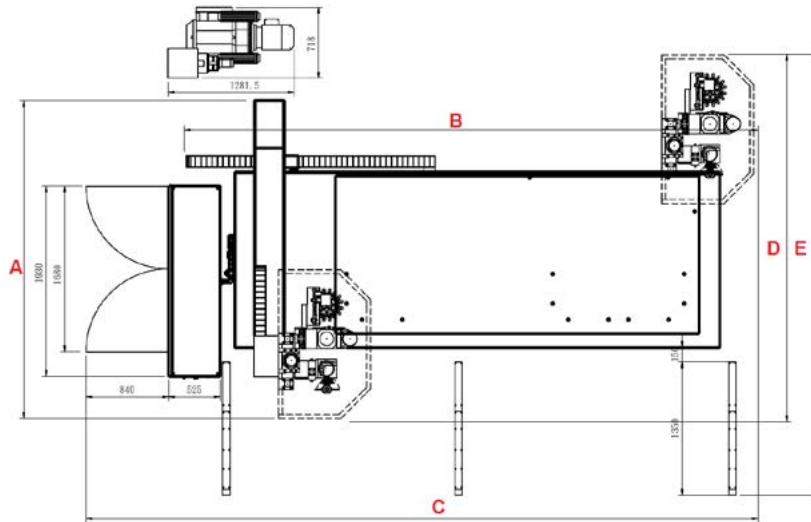
SERVO HRV Control



The circle interpolation of this new generation was once again improved. The i-series is equipped as standard with a high speed serial bus (HSSB) to operate with an CAD/CAM programming system.

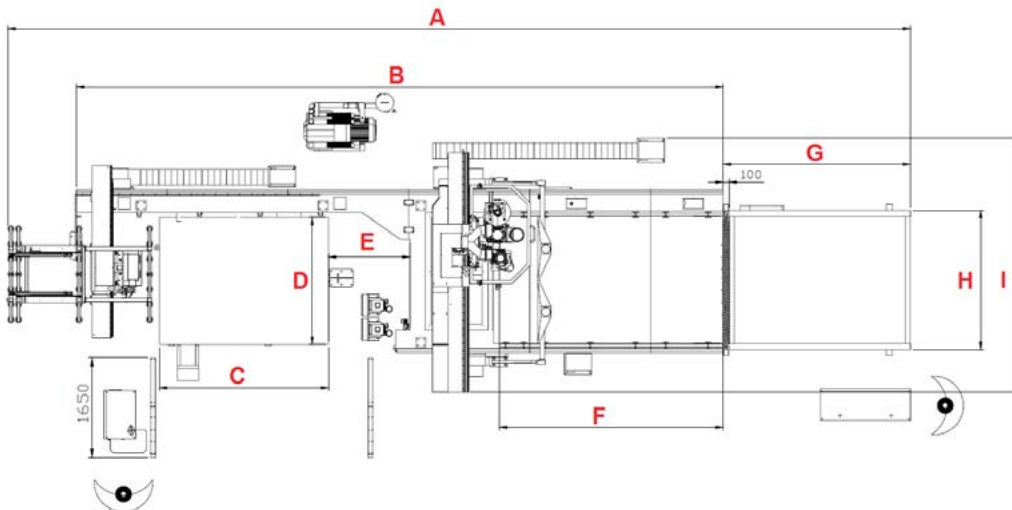
STRATOS Series

The next generation of CNC Processing Center



Model	A	B	C	D	E
STRATOS PRO 3719	3224	5840	6840	3725	4470
STRATOS PRO 3722	4424	5840	6840	4925	5670

Unit:mm



STRATOS FL	A	B	C	D	E	F	G	H	I
2821	14937	10400	2800	2100	1350	3700	3100	2300	4201
3719	21450	15850	3600	1800	1265	4700	4200	2100	6165
3722	21450	15850	3700	2200	1265	4700	4200	2200	6265

Unit:mm



STRATOS

Technical Data

MODEL		STRATOS SUP	STRATOS PRO	STRATOS PRO XL
STROKE	X AXIS	3,400mm	3,900mm	3,900mm
	Y AXIS	2,180mm	2,180mm	2,100mm
	Z AXIS	250mm	350mm	350mm
TABLE SIZE		3,200x1,600mm	3,700x1,600mm	3,700x2,100mm
VACCUM AREA		2		
MAX.FEED SPEED	X AXIS	50m/min	80m/min	80m/min
	Y AXIS 380V/29Kw	50m/min	60m/min	45m/min
	Z AXIS	12m/min	30m/min	30m/min
NO.1 ATC HEAD	SPEED	1,000-24,000rpm		
	SPINDEL	HSK-63F		
	POWER	7.5Kw		
NO.2 MULTI-DRILL	DRILL ROTATION SPEED	4800rpm		
(5 X 5 VERTICAL)	SHANK OF DRILL	ø10mm		
	POWER	1.5Kw		
TOOL	SHANK OF ROUTER BIT	MAX.ø25mm		
	NUMBER OF TOOLS	8		
POWER		380V/30Kw /56A		
AIR PRES-SURE	HOS:3/4"	6kg/cm2		
	CONSUMPTION	330L/min		
NC CONTROL-ER		ANDI-FANUC		
DIMENSIONS	FLOOR AREA	6,340x3,750mm	6,840x3,750mm	6,480x4,970mm
	HEIGHT	2,800mm	2,950mm	2,950mm
	WEIGHT	5,500kg	5,500kg	6,000kg



Option Device



Hydraulic Lifting system

Loading for panels up to 2 tons

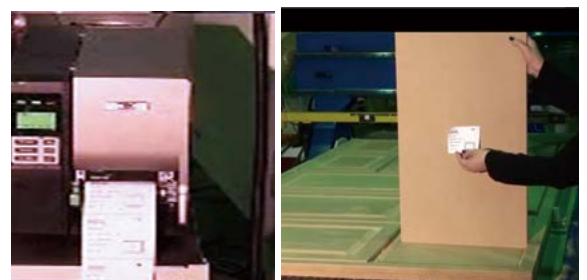


Off-Loading Conveyor system

With Chip collection system. There is a standard dust extraction system located at the rear side of the conveyor system for cleaning the belt.

Manual-Labeling with Touch Screen

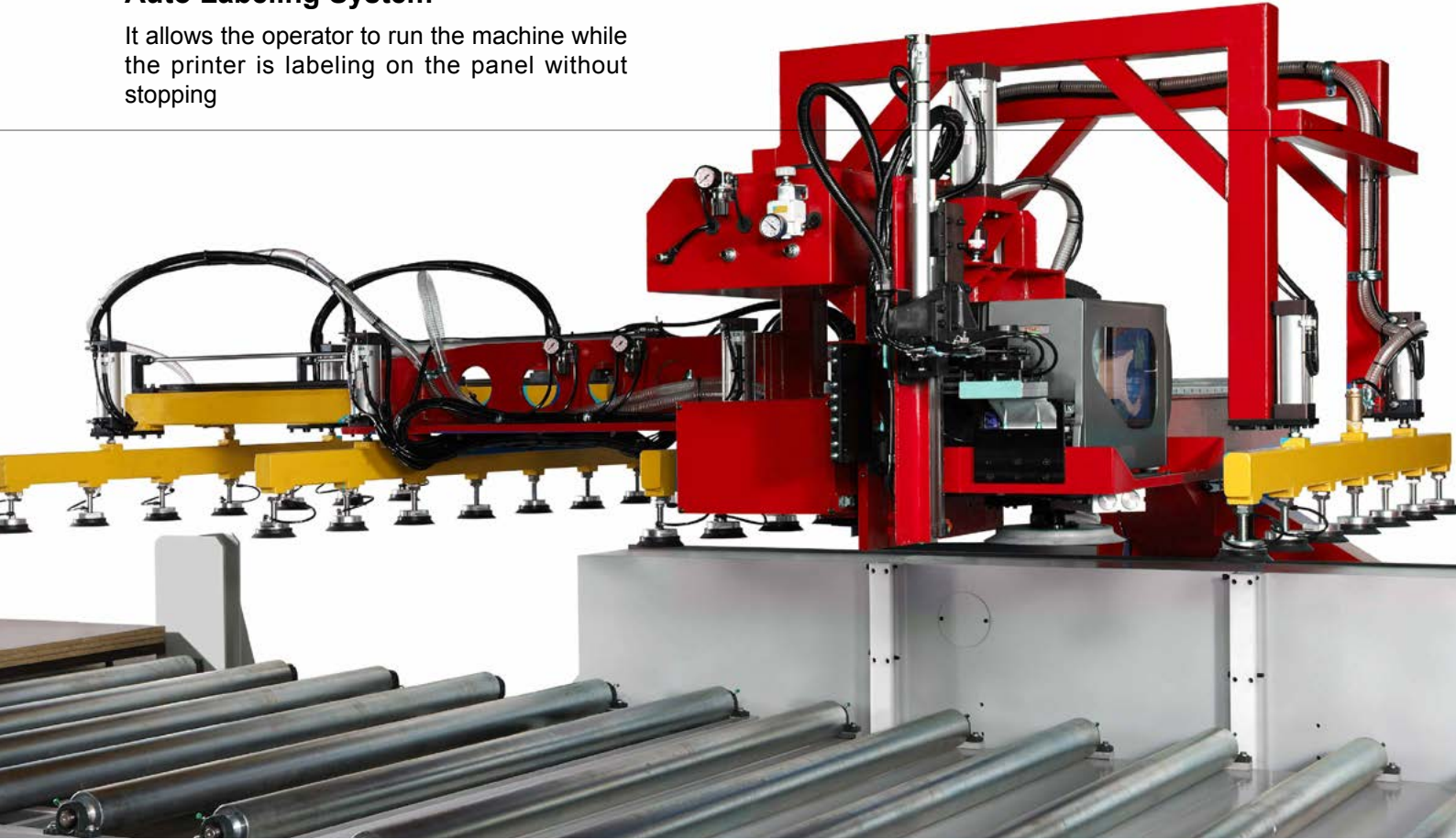
Operator can select any pattern displayed on the monitor to print out the required label.





Auto Labeling System

It allows the operator to run the machine while the printer is labeling on the panel without stopping

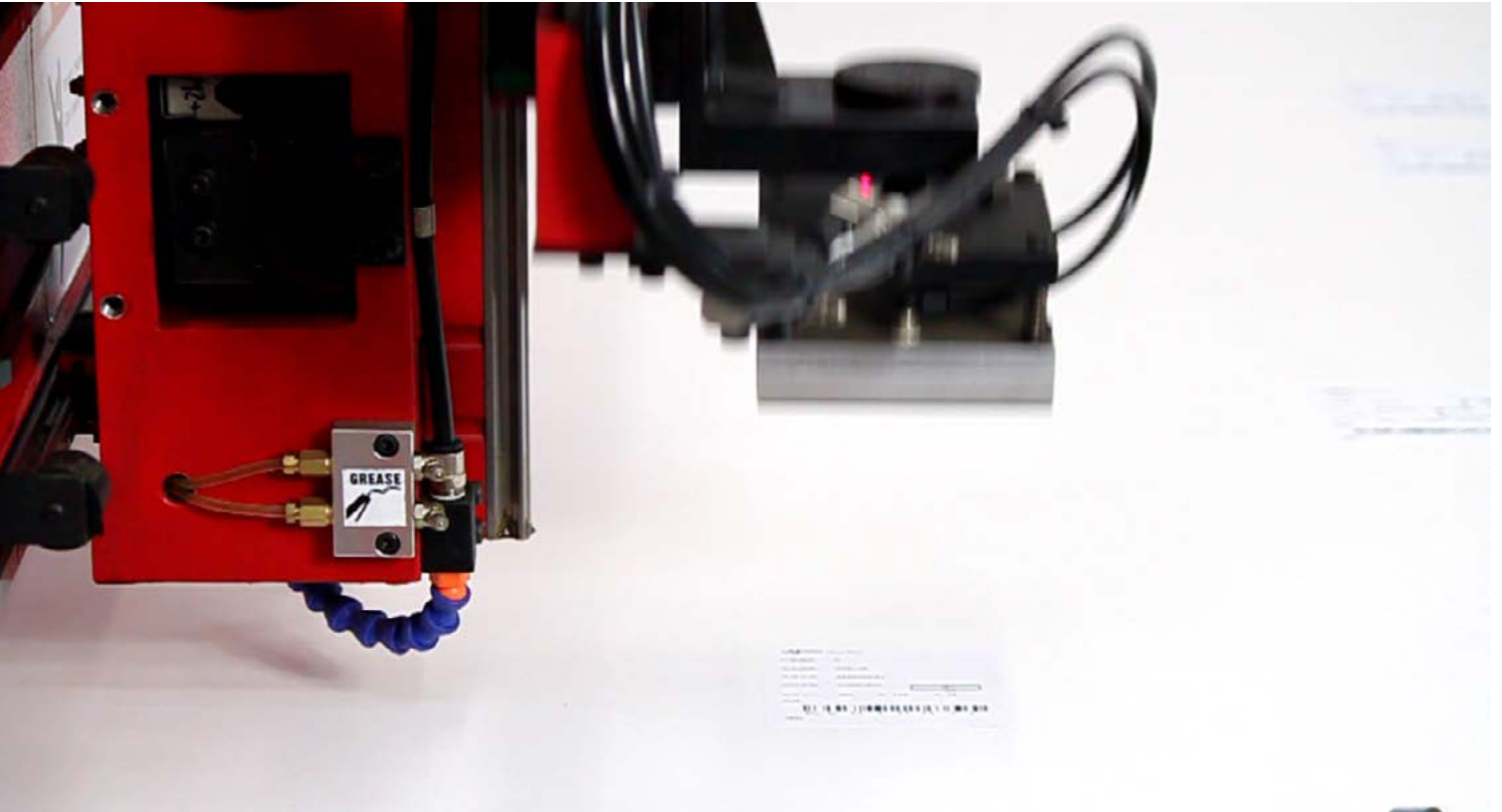


Pusher device with dust extraction

The pusher also can use off-loading & positioning.



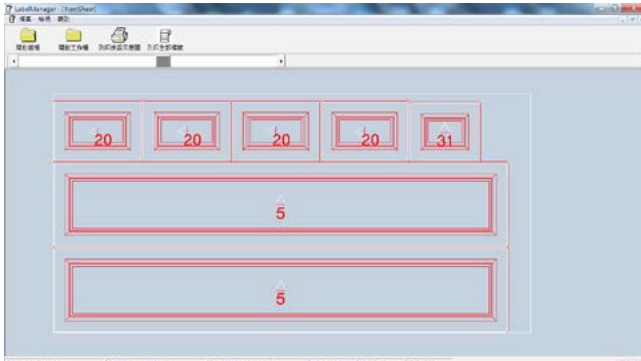
Software



Marco System

Hybrid Nesting has built-in modules for different patterns. After entering the parameters for different sizes and required quantities, the operator can execute the optimization to generate the CNC codes, i.e. tool path. Operator can also import XML file and accompany with CSV file to generate CNC codes.

Operator can select MACRO function and enter the require dimensions and quantities to generate the working list. Operator can importing working list in CSV format and system will generate a working list



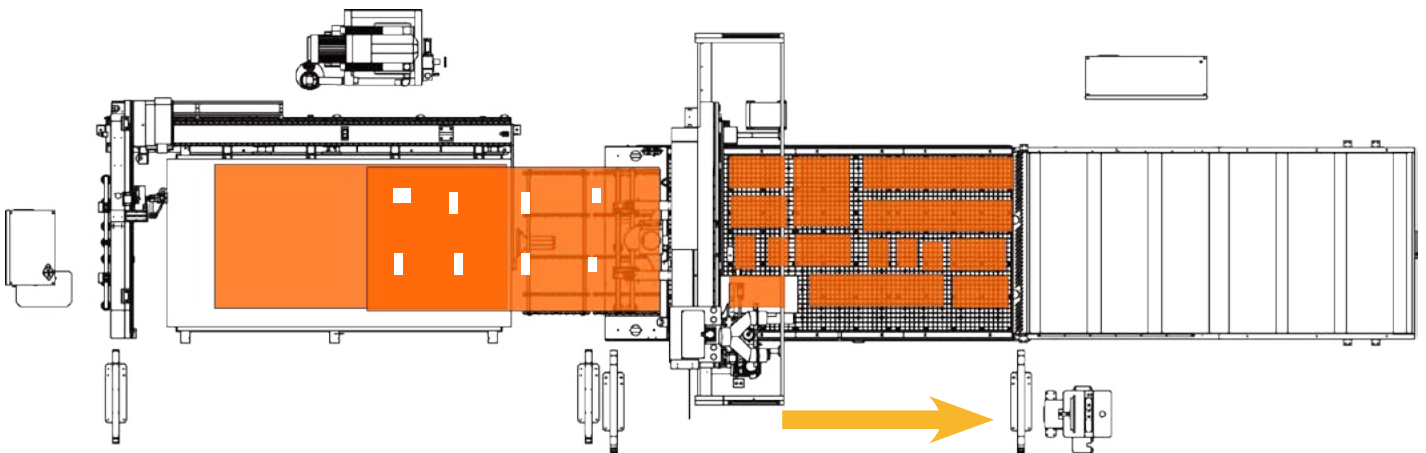
Importing working list in CSV format, and the system will output CNC codes after optimization the tool path, including labeling.



ANDERSON CAMPRO Hybrid Nesting

Why nesting?

- ☐ More customize cutting without board waste.
- ☐ Higher efficiency for processing.
- ☐ Vertical drill, labeling and cutting fished by serial processing.
- ☐ One person can operate two full line machine at once.



After cutting ,pusher system clean table and lead panel to off-load conveyor table. At the same time, the next panel will be loaded onto the working table.



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