

highTech



WOODWORKING MACHINES

European Technology

High Quality

Convenient Operation



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2018 catalogue

Edge Banding Machines ERGO - TT series

Edge Banding Machines ERGO - XF series

Automatic Panel Saw - D series

Sliding Table Saw - D series

Boring Machines - D series

CNC Work Center - X series

ABOUT US

Hightech woodworking machinery Co., Ltd is a globalized company with various factories across the world.

HighTech manufactures high quality and low cost machinery that process wood, metal and plastic. It accumulates a large number of specialized technicians who study, design and supervise the construction of the machines. They constantly follow the global machinery market, and adapt our technology respectively.

It is our duty to keep offering more to meet the market requirements.

HighTech offers a wide range of high-precision equipment. We are one of the main enterprises of skyrocketing technology in the field of processing panel furniture.

Our leading technology CNC equipment, as well as the specialized staff, allow us to manufacture high speed and precise machines, minimizing the cost for the benefit of the customer.

We use world-class automation material such as SIEMENS, TELEMCHANIQUE, SCHNEIDER, OMRON, DELTA, YASKAWA, AIRTAC, PARKER from Germany, France, Italy, Taiwan, Japan.

Most of our production machines operate electronically either with a mouse or a touch screen.

Our customers are selected machinery trading or manufacturing companies in the industry around the world. Sales is never done directly to final buyers, but only through our authorised dealers in many countries of Europe, Asia, Australia, America etc. As an outcome, HighTech is a manufacturing company with minimum to zero advertising costs.

The machines' price that reaches the final buyer corresponds to its actual total cost, omitting any overcharging.

Quality and responsibility come first on our list of priorities. We aim at quality machines provided with the best after sales service.

A B O U T ERGO-XF series, our best-selling Automatic Edge Banding Machines

Range of applications:

Edging of furniture, wardrobes, cupboards, office furniture, etc.

Main features:

- Body and binder beam made of heavy-duty steel and with special heat treatment process, leading to better stability
- Electrical components are supplied by SIEMENS, SCHNEIDER, OMRON, DELTA and LG
- AIRTAC air-operated system to ensure accuracy
- Large and small knives eliminate the limitations of material choice
- Five edging and rolling system makes the fit fine and smooth
- Stable high speed edge feeding system

12 & 22 m/min. (Optional, Speed adjustment 9-22m)

- Panel width min. 60mm
- Wood edge thickness max. 15mm and min. 0.4mm
- Easy operation when changing the edge thickness
- All parts are made with fine processing of high precision CNC Center, ensuring a stable and high efficiency operation
- Defined and precise assembling process, ensuring that every machine exceeds the quality standards

ERGO-T306DB



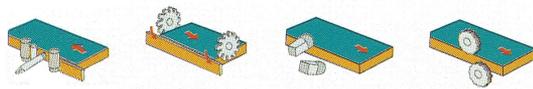
Gluing pot, End tape cutting, Pneumatic pressure zone



Cabin interior - all working units and groups



Electronic command through PLC - Pneumatic safety stop in feeding area



Gluing End trimming Fine finishing Buffing

Automatic, small and compact, hot melt edgeworking machine. Fits in the tiniest of carpentry workshops, requiring only one operator to feed and receive the panels.

TECHNICAL DATA			
min. panel length (mm)	120	input voltage (V)	220-380
min. panel width (mm)	80	input frequency (Hz)	50
panel thickness (mm)	10-45	total power (kw)	4 T306D 4.36 T306DB
edge width (mm)	12-48	required air pressure (Mpa)	0.5
edge thickness (mm)	0.4-3	dimensions (mm)	1400(1950)x600x1470
feeding speed (m/min)	8	weight (kg)	535 T306D 565 T306DB

List of working units:

- Gluing pot
- End strip cutter
- Adjustable pneumatic pressure zone
- End trimming
- Fine finishing
- Buffing
- Working conveyor speed up to 9 m/min
- Overall length 1.40 m
- Total length 1.95 m
- Width 0.60 m
- Available with 1 phase and 3 phase electricity

ERGO-T308DSP



Pre-Milling unit with reinforced high speed motors, Pneumatic safety stop in feeding zone and gluing pot



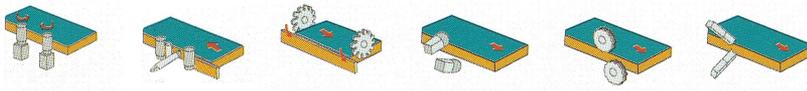
Pre-Milling with easy operation



End trimming, fine finishing, scraping, buffing



Electrical panel with PLC, Inverts and other automation components



Pre-milling

Gluing

End trimming

Fine finishing

Buffing

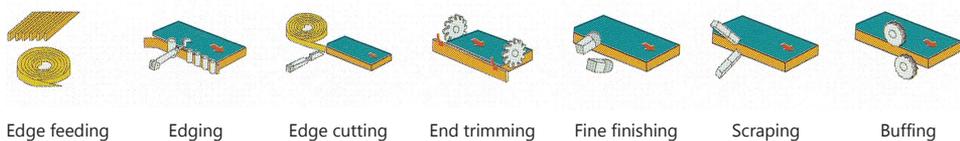
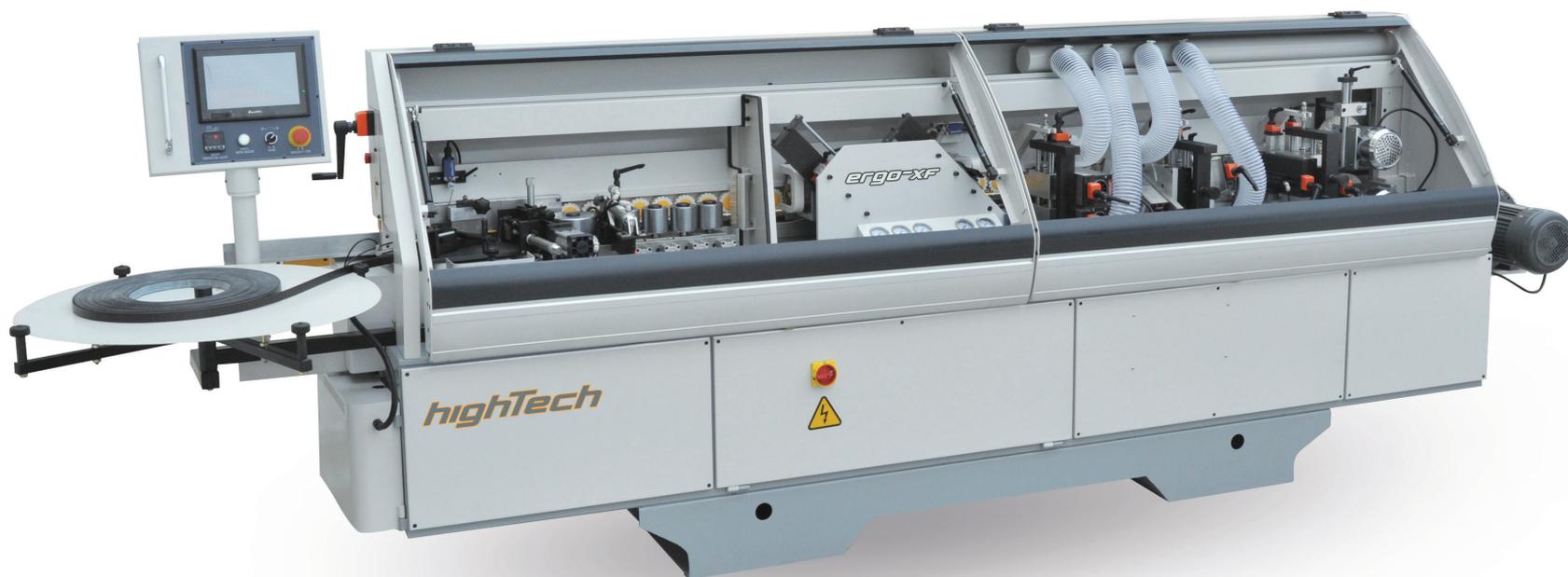
Scraping

TECHNICAL DATA			
min. panel length (mm)	100	input voltage (V)	380 (220 optional)
min. panel width (mm)	80	input frequency (Hz)	50
panel thickness (mm)	10-45	total power (kw)	8
edge width (mm)	12-48	required air pressure (Mpa)	0.6
edge thickness (mm)	0.4-3	dimensions (mm)	2980(2450)x650x1550
feeding speed (m/min)	12	weight (kg)	900

The unique automatic Edge Banding machine with Pre-Milling unit with reduced length, equipped with the following working units:

- Pre-Milling with blower
- Pneumatic safety stop in feeding area
- Gluing pot
- End strip cutter
- Adjustable pneumatic pressure zone
- End trimming
- Fine finishing
- Scraping with Blower
- Buffing
- Working conveyor speed 13 m/min
- Overall length 2.45 m
- Total length 2.98 m
- Width 0.65 m

ERGO-XF-60C



Edge feeding

Edging

Edge cutting

End trimming

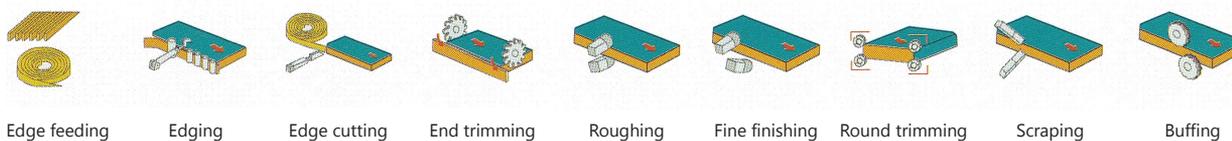
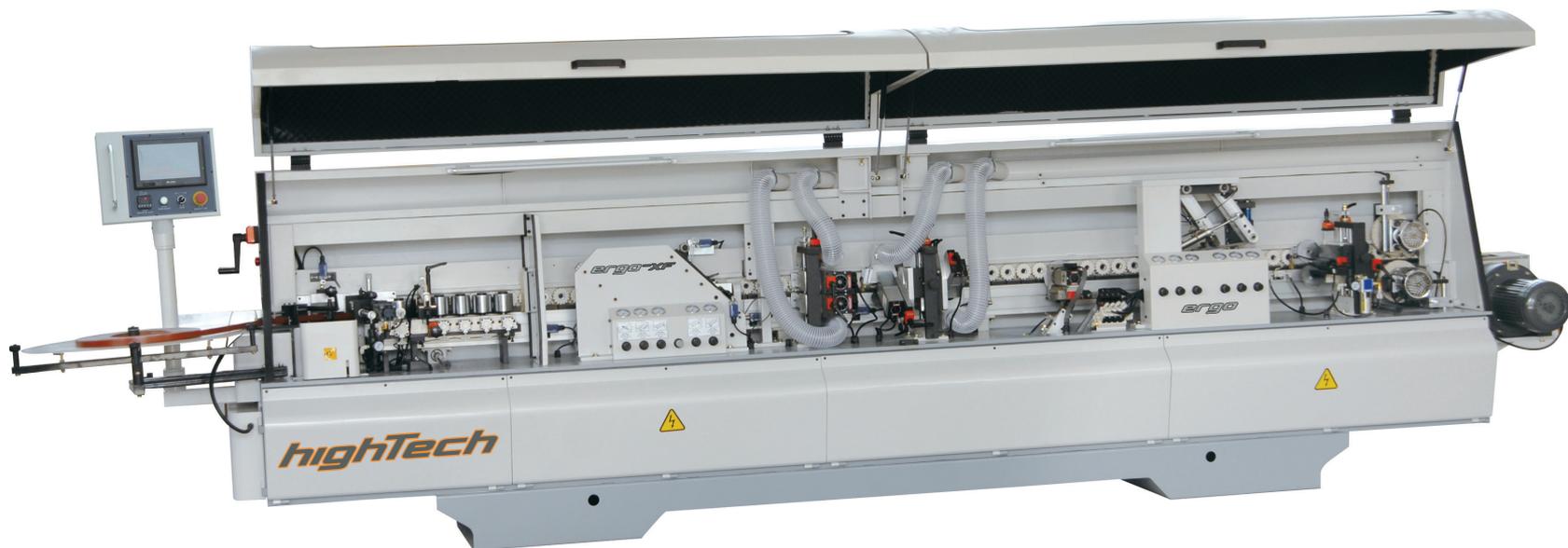
Fine finishing

Scraping

Buffing

TECHNICAL DATA			
min. panel length (mm)	120	input voltage (V)	380
min. panel width (mm)	60	input frequency (Hz)	50
panel thickness (mm)	10-60	total power (kw)	5.98
edge width (mm)	15-65	required air pressure (Mpa)	0.7
edge thickness (mm)	0.4-15	dimensions (mm)	3700x850x1380
feeding speed (m/min)	14-18-22	weight (kg)	1400

ERGO-XF-60CF



Edge feeding

Edging

Edge cutting

End trimming

Roughing

Fine finishing

Round trimming

Scraping

Buffing

TECHNICAL DATA			
min. panel length (mm)	120	input voltage (V)	380
min. panel width (mm)	60	input frequency (Hz)	50
panel thickness (mm)	10-60	total power (kw)	9.62
edge width (mm)	15-65	required air pressure (Mpa)	0.7
edge thickness (mm)	0.4-15	dimensions (mm)	5900x850x1650
feeding speed (m/min)	15-19 (12)	weight (kg)	2700

ERGO-XF-60CY



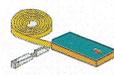
Pre-milling



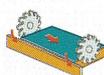
Edge feeding



Edging



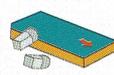
Edge cutting



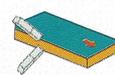
End trimming



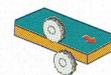
Roughing



Fine finishing



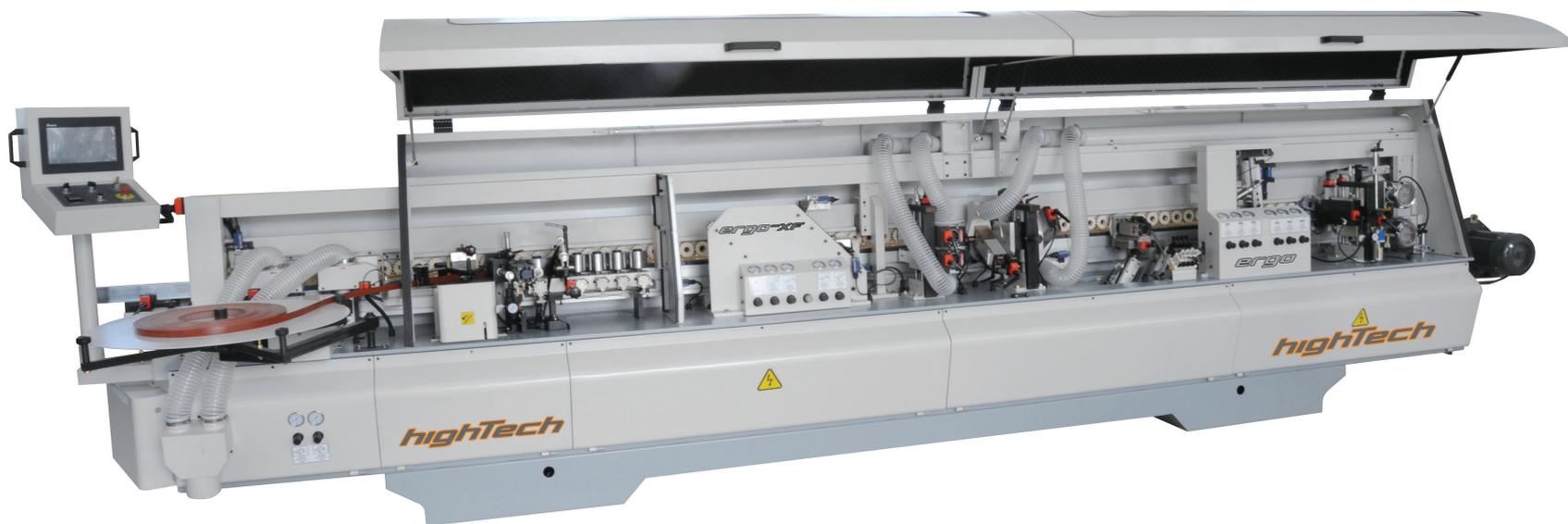
Scraping



Buffing

TECHNICAL DATA			
min. panel length (mm)	120	input voltage (V)	380
min. panel width (mm)	60	input frequency (Hz)	50
panel thickness (mm)	10-60 (47)	total power (kw)	12.48
edge width (mm)	15-65	required air pressure (Mpa)	0.7
edge thickness (mm)	0.4-15	dimensions (mm)	4930x850x1350
feeding speed (m/min)	9-19	weight (kg)	1780

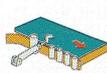
ERGO-XF-60CYF



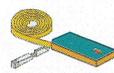
Pre-milling



Edge feeding



Edging



Edge cutting



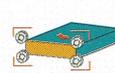
End trimming



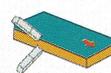
Roughing



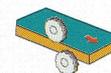
Fine finishing



Round trimming



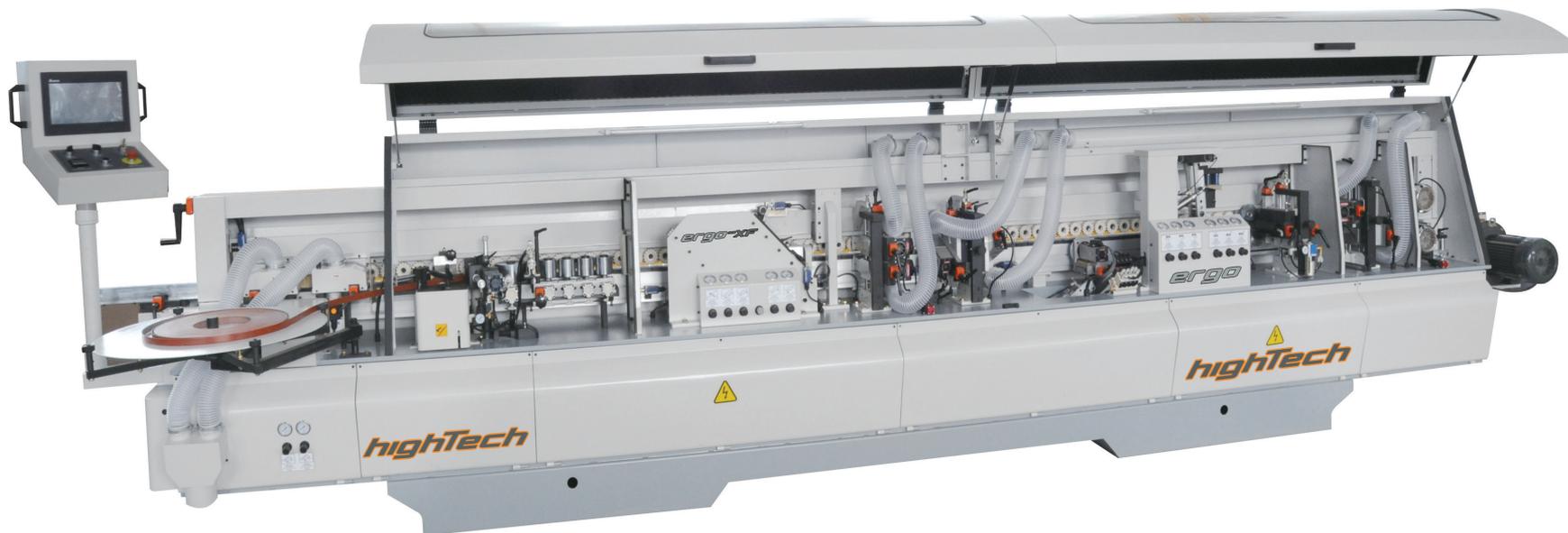
Scraping



Buffing

TECHNICAL DATA			
min. panel length (mm)	120	input voltage (V)	380
min. panel width (mm)	60	input frequency (Hz)	50
panel thickness (mm)	10-60 (47)	total power (kw)	13.22
edge width (mm)	15-65	required air pressure (Mpa)	0.7
edge thickness (mm)	0.4-15	dimensions (mm)	6800x850x1650
feeding speed (m/min)	15-19	weight (kg)	3100

ERGO-XF-60CYFH



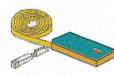
Pre-milling



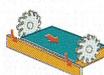
Edge feeding



Edging



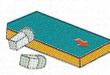
Edge cutting



End trimming



Roughing



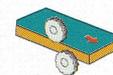
Fine finishing



Round trimming



Scraping



Buffing



Slotting

TECHNICAL DATA			
min. panel length (mm)	120	input voltage (V)	380
min. panel width (mm)	60	input frequency (Hz)	50
panel thickness (mm)	10-60 (47)	total power (kw)	15.42
edge width (mm)	15-65	required air pressure (Mpa)	0.7
edge thickness (mm)	0.4-15	dimensions (mm)	7200x850x1650
feeding speed (m/min)	15-19	weight (kg)	3500

ERGO-XF-working units



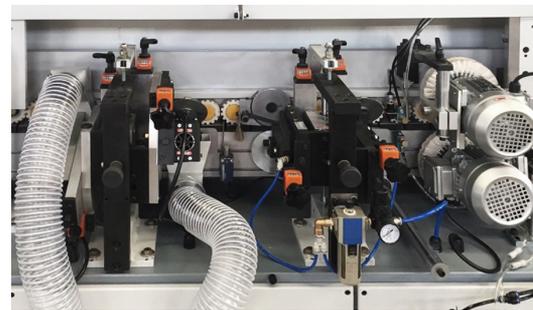
Pre-milling unit: 2x2.5 HP high speed motors, stable and accurate, ensures a perfect milling of panel edge.



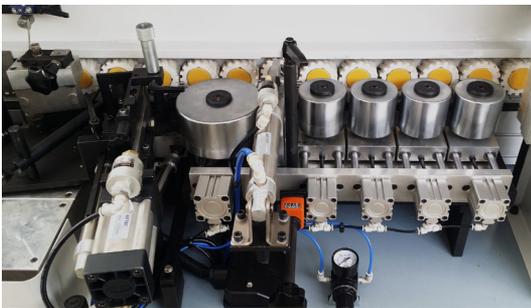
Fine trimming unit with two motors placed in diagonal position. On the left, the reinforced pressure bar support



Pre-milling unit (cover removed)



Fine trimming, scraping unit and buffing unit with blowers to clean edge



Strip press zone with 5 rolls, the first one with feeding at big diameter, all of them with pneumatic adjustable pressure.

Double end band cutting knife, one for thin and one for thick strip.



Italian high quality motors at rough trimming and fine trimming units

Fast and accurate change of fine trimming unit setting



End trimming unit. Two motors are sliding on two linear guides



Corner rounding unit, with two motors, one for down front and rear part, one for upper part, can do rounding perfectly on any shape of panel

Top Selling Automatic Edge Banding Machines

ERGO-XF

automatic edge banding machines series

High quality, low prices, simple operations, stability & effectiveness

XF-600



XF-60C



XF-600Y



XF-60CY



MAIN TECHNICAL DATA	XF600	XF60C	XF600Y	XF60CY
Panel length	Min.120mm(PVC)	Min.120mm(PVC)	Min.120mm(PVC)	Min.120mm(PVC)
Panel width	Min.60mm	Min.60mm	Min.80mm	Min.60mm
Panel thickness	10 ~ 60mm	10 ~ 60mm	10 ~ 47mm(Pre-milling) 10 ~ 60mm(No Pre-milling)	10 ~ 47mm(Pre-milling) 10 ~ 60mm(No Pre-milling)
Edge width	15 ~ 65mm	15 ~ 65mm	15 ~ 65mm	15 ~ 65mm
Edge thickness	0.4 ~ 15mm	0.4 ~ 15mm	0.4 ~ 15mm	0.4 ~ 15mm
Feeding speed	14、18、22m/min	14、18、22m/min	9 ~ 19m/min	9 ~ 19m/min
In-put voltage	380v	380v	380v	380v
In-put frequency	50Hz	50Hz	50Hz	50Hz
Out-put frequency	200Hz	200Hz	200Hz	200Hz
Total Power consumption	5.98kw	8.18kw	10.28kw	12.48kw
Required air pressure	0.7Mpa	0.7Mpa	0.7Mpa	0.7Mpa
Net weight	1390kg	1490kg	1690kg	1790kg
Overall dimensions(L × W × H)	3705 × 850 × 1380	4025 × 850 × 1380	4930 × 850 × 1380	4930 × 850 × 1380

Units Standard											
	Pre-milling	Edge feeding	Edging	Edge cutting	End trimming	Roughing	Fine finishing	Round trimming	Scraping	Buffing	Slotting
XF60ET		●	●	●			●			●	
XF60AT		●	●	●	●		●			●	
XF600		●	●	●	●		●		●	●	
XF600Y	●	●	●	●	●		●		●	●	
XF60C		●	●	●	●	●	●		●	●	
XF60CY	●	●	●	●	●	●	●		●	●	
XF600F		●	●	●	●		●	●	●	●	
XF600YF	●	●	●	●	●		●	●	●	●	
XF60CF		●	●	●	●		●	●	●	●	
XF60CYF	●	●	●	●	●		●	●	●	●	
XF60CYFK	●	●	●	●	●	●	●	●	●	●	●

Top Selling Automatic Edge Banding Machines

ERGO-XF

automatic edge banding machines series

High quality, low prices, simple operations, stability & effectiveness

XF-600F



XF-600YF



XF-60CF



XF-60CYFH



MAIN TECHNICAL DATA	XF60CYF	XF600F	XF600YF	XF60CF	XF60CYFK
Panel length(Round-Trimming/PRE-Milling)	Min.120 (140/320) mm(PVC)	Min.120 (140/) mm(PVC)	Min.120 (140/) mm(PVC)	Min.120 (140/) mm(PVC)	Min.120(140/320) mm(PVC)
Panel width(Round-Trimming/PRE-Milling)	Min.60 (120/) mm	Min.60 (120/) mm	Min.60 (120/) mm	Min.60 (120/) mm	Min60(120)/mm
Panel thickness(Round-Trimming/PRE-Milling)	10~60 (10~45) mm	10~60 (10~45) mm	10~60 (10~45) mm	10~60 (10~45) mm	10~60(10~45)mm
Edge width(Round-Trimming/PRE-Milling)	15~65 (15~50) mm	15~65 (15~50) mm	15~65 (15~50) mm	15~65 (15~50) mm	15~65(15~50)mm
Edge thickness(Round-Trimming/PRE-Milling)	0.4~15 (0.8~3) mm	0.4~15 (0.8~3) mm	0.4~15 (0.8~3) mm	0.4~15 (0.8~3) mm	0.4~15(0.8~3)mm
Feeding speed(Round-Trimming/PRE-Milling)	15、19 (12/) m/min	15、19 (12/) m/min	15、19 (12/) m/min	15、19 (12/) m/min	15、19(12)/m/min
In-put voltage	380v	380v	380v	380v	380v
In-put frequency	50Hz	50Hz	50Hz	50Hz	50Hz
Out-put frequency	200Hz	200Hz	200Hz	200Hz	200Hz
Total Power consumption	13.22KW	7.42KW	11.02kw	9.62KW	15.42KW
Required air pressure	0.7Mpa	0.7Mpa	0.7Mpa	0.7Mpa	0.7Mpa
Net weight	3100kg	2200kg	2600kg	2700kg	3500kg
Overall dimensions(L×W×H)	6800X860X1650	5600X860X1650	6400X860X1650	5900X860X1650	7200×860×1650

Units Standard											
	Pre-milling	Edge feeding	Edging	Edge cutting	End trimming	Roughing	Fine finishing	Round trimming	Scraping	Buffing	Slotting
XF60ET		●	●	●			●				●
XF60AT		●	●	●	●		●				●
XF600		●	●	●	●		●		●		●
XF600Y	●	●	●	●	●		●		●		●
XF60C		●	●	●	●	●	●		●		●
XF60CY	●	●	●	●	●	●	●		●		●
XF600F		●	●	●	●		●	●	●		●
XF600YF	●	●	●	●	●		●	●	●		●
XF60CF		●	●	●	●	●	●		●		●
XF60CYF	●	●	●	●	●	●	●	●	●		●
XF60CYFK	●	●	●	●	●	●	●	●	●	●	●

Automatic Curve Edge Banding Machine ERGO-XF4023



Range of applications:

Automatic edging and trimming of furniture parts such as wardrobes, cupboards, office furniture and profiled workpiece

Electrical components used are made by SIEMENS, SCHNEIDER, OMRON, DELTA, LG

AIRTAC air-operated parts to ensure the accuracy

PLC control system with touch screen, ease of operation

Programming is easy to learn

High precision rotary arm, with vacuum adsorption system

Reduced labor costs

All the parts are made with fine processing of high precision

TECHNICAL DATA			
min. working radius (mm)	30 (60)	input voltage (V)	380
panel thickness (mm)	10-45 (47)	heating power (kw)	1.86
edge width (mm)	15-50	required air pressure (Mpa)	0.7
edge thickness (mm)	0.4-3	dimensions (mm)	2100x1600x1800
feeding speed (m/min)	7	weight (kg)	900

Manual Curve Edge Banding Machine



curve work



line work



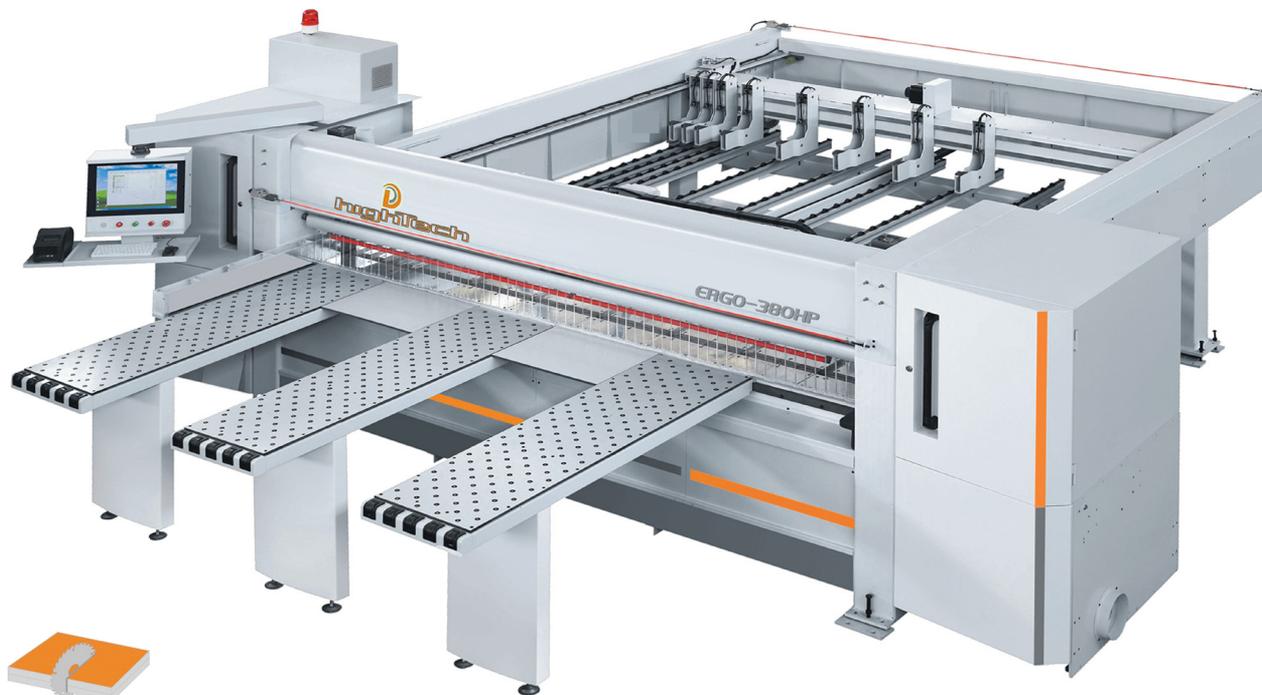
detail 1



detail 2

TECHNICAL DATA			
min. working radius (mm)	20	heating power (kw)	1.6
cutting width (mm)	50	motor power (w)	370
edge width (mm)	15-50	required air pressure (Mpa)	0.58
edge thickness (mm)	0.3-3	dimensions (mm)	1000x725x1505
feeding speed (m/min)	0-14	weight (kg)	280
power (V)	220 single / 380 3phase		

AUTOMATIC PANEL SAW ERGO-D380HP



125mm saw blade out of table height

TECHNICAL DATA			
cutting length (mm)	3800 (4200)	main saw blade motor (kw)	18
pusher feeding run (mm)	3800 (4200)	scoring saw blade motor (kw)	2.2
saw blade projection (mm)	125	pneumatic gripper No.	8
main saw blade diameter (mm)	400	slide aligner system	pneumatic double side wheels
scoring saw blade diameter (mm)	160	air floating tables	3 (4)
saw carriage speed (m/min)	5-100	dust collecting tubes diameter (mm)	200+100
saw backward speed (m/min)	100	floor area (mm)	6000X7000 (6500X7500)
pusher forward speed (m/min)	0-100	weight (kg)	6000(6600)
pusher backward speed	100		

D SERIES - SLIDING TABLE SAWS

M320D
table saw



M320C
table saw



M320M
table saw



M320DH
CNC sliding table saw



TECHNICAL DATA	
cutting length (mm)	3200/3800
max cutting height (mm)	90
max main saw blade diameter (mm)	350
scoring unit diameter (mm)	120
main saw blade motor (kw)	5.5
scoring saw blade motor (kw)	0.75
main blade velocity (rpm)	4200/5600
scoring blade velocity (rpm)	8500



high performance touch screen, easy operation



guide rail made of high chrome steel, improving working precision and extending service life. Sliding table has multipoint locking, greatly improving work efficiency



servo motor controls the fence movement, making the cutting more accurate

D SERIES - BORING MACHINES ERGO-HD407 // ERGO -HD305i

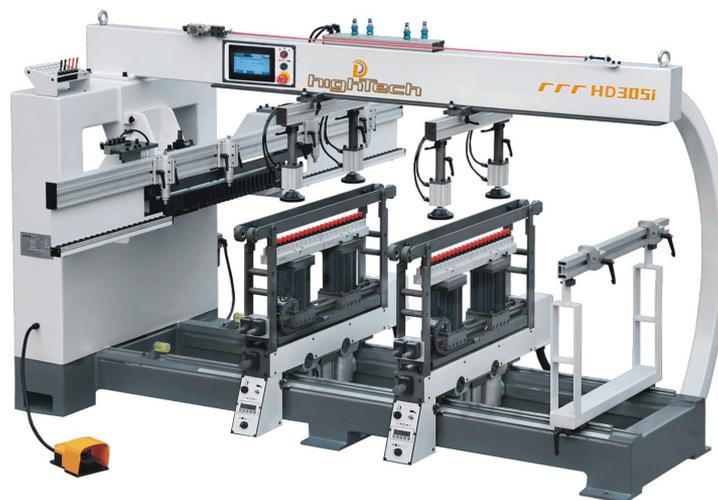
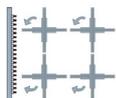
HD407

boring machine four-row drill



HD305i

boring machine three-row drill



TECHNICAL DATA (HD407)			
max processing width -x axis (mm)	1850	shaft rotation speed (rpm)	2800 (50hz)
max distance between the two holes of horizontal drilling (mm)	640	vertical drilling power (kw)	1.1
min distance of vertical drill (mm)	128	horizontal drilling power (kw)	1.5
max workpiece thickness (mm)	78	working pressure (Mpa)	0.6-0.8
max horizontal drilling depth (mm)	40	machine dimensions (mm)	2700x2500x1760
max vertical drilling depth (mm)	70	packaging size (mm)	2800x1280x1800

D SERIES - CNC BORING MACHINE HD29



Full automatic CNC drilling machine

TECHNICAL DATA			
x axis velocity (m/min)	60	spindle motor power (kw)	2.2
y axis velocity (m/min)	60	spindle velocity (rpm)	18000
z axis velocity (m/min)	15	min plate width (mm)	50
u axis velocity (m/min)	60	max plate width (mm)	1200
vertical drilling	7 (x axis) +6 (y axis) +1 (hinge drill)	min plate length (mm)	250 (170)
horizontal drilling	2 (upper) +2 (lower) +1 (left) +1 (right)	max plate thickness (mm)	50
drilling group motor power (kw)	2.0 (4000rpm)	working voltage (V)	380 (50Hz)
spindle type	Er32	working pressure (Mpa)	0.6-0.8



XH SERIES - ERGO-XPTP231 CNC MACHINING CENTER



TECHNICAL DATA			
axes length x-y-z (mm)	3400x1300x250	x axis velocity (m/min)	0-80
max working size x-y-z (mm)	3060x1220x150	y axis velocity (m/min)	0-80
main spindle power (kw)	9	z axis velocity (m/min)	0-30
main spindle max velocity (rpm)	24000	automatic tool changer (no.)	8
vacuum pump (kw/m ³)	4/160	boring type	9 vertical +6 horizontal + 1 saw
table type	No. 6 bars with 3 vacuum caps each		

Multifunctioned machine, suitable for diversified product processing: engraving, milling, drilling, cutting, side milling, sawing, etc.

The machine uses Italian high-power automatic tool change spindle, Yaskawa servo and Xinbao reducer, Schneider and other recognized electrical components, German vacuum systems and Taiwan operating system of stable performance.

Two zones working simultaneously, improving production efficiency

Automatic Tool Changer

One arm structure, convenient loading and unloading

highTech



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