# **CREATIVE WOOD**

### STREAM A 6.0 EDGEBANDER (SERIAL # 1000016262 / SPECS)

CODE	U.M.	QUANTITY
E9001500	NR	1

### STREAM A

Single-sided edgebanders for the application and processing of flat edge-banding material in rolls (melamine, PVC, ABS, veneer) and in strips (solid wood, Formica, planed veneers etc.)

### Standard features

### Smart-touch 21.5" control panel

The Numerical Control SMART-TOUCH 21.5" allows management of the machine and its functions. Technical characteristics:

- ☑ 21.5" Multi-touch, Full HD display.
- Thanks to 1920 x 1080 resolution, 10-point touch capability and 3000:1 contrast ratio, ensures bright and clear images with amazing onscreen detail, in a clean and efficient design.
- ☑ Windows operating system.
- Sintra HD software, simple and intuitive touch interface for all operators' quick learning. It supports the multi-language function.
- ☑ Dedicated interface to control edgebanders.
- $\square$  Integrated hard disk for filing media files and the programs back up.
- ☑ USB port for managing in a simple and efficient way multimedia files, programs and updates.

Some of the included functions:

- $\square$  Automatic start-up of the motors as defined in the program.
- $\boxtimes$  Direct buttons for the choice of the first and second passage, for fast working changeover.
- $extsf{M}$  Managing of the numerical axis and automatic working changes.
- ☑ Lists of programs with manual and/or automatic start.
- $\square$  Error diagnostic with codes and comments.
- Production statistic data.
- ☑ The Software assisted maintenance.
- imes The control is mounted to enable the easy adjustment of the working position.
- $\checkmark$  Execution of lists of programs.
- ☑ Video-assisted maintenance.

Structural components

Base. Provides the whole machine with stability and strength to allow precise, accurate machining even under intensive use. The base is made entirely of steel with a closed structure. Maximum cleaning of the machine is possible thanks to the integrated automatic chip removal system along the whole machine.

Panel movement. Provided by a conveyor track and top presser combining a system that ensures optimum clamping of the panel being processed, straight movement and resistance to side loads resulting from pressure when applying the edges.

The conveyor track uses an industrial chain with a 31.75 mm (1¼") ratio, with special selflubricating nylon-graphite slide blocks. The slide blocks slide on two hardened steel guides, one with a circular section and the other flat, complete with greasing nipples. The panel being edged is held by special low wear rubber pads with a high friction coefficient, which are individually interchangeable (dimensions 80x60 mm). The track can also advance when the gluing unit is turned off.

Top belt presser. It is made of extruded aluminium with a special profile whose section guarantees high rigidity. The panel being edged is held in position by a rubber belt with a stain-proof coating. The thrust exercised on the panel is provided by springs housed on technopolymer connecting rods.

exercised on the panel is provided by springs housed on technopolymer connecting rods. The top working units are hooked to the top presser and adjust automatically with the positioning of the presser itself moves. The top presser slides on linear guides when adjusted; the vertical adjustment is electronic NC controlled.

- Large dimension infeed fence, to facilitate proper infeed of the panel to be edged (the machines fitted with the Pre-milling unit have a manually adjustable fence or, as an option, an automatically adjustable guide). Complete with infeed panel distance spacer with capacitive sensor in addition to the light, to set the most efficient panels infeed pace.
- Side panel support with extruded aluminium guide, including support wheels. Quick manual positioning and locking system.
- Protective cabins coated with sound absorbing material and lights and manual pump for chain track lubrication.
- Automatic lubrication.

### Working units

### Gluing, edge feeding and pressing unit VC-710

Applies the hot melt glue on the panel, feeds the edge to be applied to the panel being machined, automatically cuts the rolls of edge-banding material to length and presses the applied edge ensuring that it adheres perfectly to the panel.

- The unit includes:
  - Glue container and glue spreading roller. The spreading roller is complete with a copying system to apply the correct amount of glue to the panel.
    - Tekno-Glue System, for perfect gluing in under any condition. It includes:
      - Controlled training movement of the glue spreading roller.
      - Automatic glue container exclusion when the track stops.
      - Pneumatic exclusion of the glue container.

No adjustment required when the panel thickness changes. Quick heating and double thermostat for differentiated temperature control. The glue container is completely coated with non-adhesive material. Electronic device for automatic temperature reduction of the glue container when the machine has been idle for a set period of time. Glue spreader which can turn with or against the direction of the panel. Quick change of the glue container for an easy maintenance or changing colour/type of glue.

- Automatic edge feeding system for edges in rolls or strips, complete with roll holder disk diameter 900 mm. The edge-banding strip is fed "meeting" the panel as it advances, avoiding any slipping of the edging material. The edge magazine table features a cooling system. The edge magazine table has a manual vertical adjustment.
- Cutter knife for the automatic cutting of edge-banding material in rolls with a maximum thickness of 3 mm and with a maximum section of 140 mm<sup>2</sup>. Automatic adjustment of working pressure according to the thickness of edge-banding material being used. Placed before of the 1st edge pressing roller.
- Edge pressing system with RPT (edge pressing rollers with temporized intervention), consisting of:
  - A first large diameter motorised roller (with clutch) with independent pneumatic pressure adjustment.
  - 5 idle rollers, diameter 60 mm, coated with non- adhesive material with pneumatic adjustment; the first 2 are opposing cones.

#### Teleservice

It allows an immediate and direct access to the machine numerical control via network. In this way it is possible to check machine data, user programs, input/output signals and system variables, and to install software updates, therefore granting:

- Real-time service intervention.
- Quicker problem solving.
- ☑ Consistent reduction of machine downtime.
- $\checkmark$  Real-time software updates.

\* The teleservice support is free of charge for the whole warranty period.

#### Electric system requirements

Protection of the machine against indirect contacts has been designed for TN type supply networks, so no differential protection has been foreseen. In the event of connection to other types of network (TT, IT) or if require by local laws or regulations, differential protection must be provided according to the characteristics of the system and taking into account electromagnetic interference containment devices may produce considerable high frequency dispersion currents.

#### **Technical Data** Description MIN MAX UM Panel height 10 60 mm Height of edge-banding material 14 64 mm Thickness of edge-banding material in rolls 0.4 3 mm Thickness of edge-banding in strips\* 22 0.4 mm Panel protrusion from track 25\*\* mm Min panel length 140 mm Min panel width with length 150 mm 85 mm Min panel width with length 250 mm 50 mm Max ensured length 3200 mm Track feed speed\* 12-18-20-(25) m/min Gear motor 3000 W Dust extraction system for pre-milling unit\* 1 hood Ø 100 mm Dust extraction for PU glue fume removal\* 1 hood Ø 80 mm Dust extraction system for end-trimming unit IN-801\* 1 hood Ø 100 mm Dust extraction system for trimming unit\* 2 hoods Ø 80 mm Dust extraction system for 2 motors corner rounding unit\* 1 hood Ø 100 mm Dust extraction system for 4 motors corner rounding unit\* 2 hoods Ø 100 mm Dust extraction system for spindle moulder\* 1 hood Ø 100 mm Dust extraction system for edge sanding unit\* 1 hood Ø 100 mm Dust extraction system for edge-scraper\* 1 hood Ø 100 mm Dust extraction system for glue-scraper\* 1 hood Ø 100 mm Pneumatic connection 7 bar Working voltage 400 V / 50 Hz three phase+ n Control voltage 24 V - CC Static frequency inverter 200 Ηz Glue container capacity 3 (approx.) Kq Glue container heating time at 1/2 load 10 (approx) minutes

\* Depending on the units selected.

\*\* 30 mm with cod. E8000132 - E8000133. As a result, the minimum panel width increases.

#### CE Norms included.

CODE	U	J.M.	QUANTITY	
E9001560	NR		1	
Single-sided edgebander STREAM A/6.0				

# Machine options

CODE	U.M.	QUANTITY
E8000011	NR	1
SURCHARGE FOR VOLTAGE CHANGE For any power supply other than standard.		
E8001163	NR	1
<b>BELT PRESSER FOR STREAM A/6.0</b> The top presser comprises a rubber belt with a stain-proof coating. The thrust exercised on the panel is provided by springs housed on	technopo	lymer connecting rods.
E8000086	NR	1
<ul> <li>NC AXIS PACKAGE - GROUP OF DEVICES THAT ENABLE THE AUTOR</li> <li>It includes the following devices:</li> <li>✓ AX-2: 2 NC axis on the infeed fence and on the 1<sup>st</sup> pre-millin</li> <li>✓ AX-1: 1 NC axis on edge pressing rollers.</li> <li>Code E8000508 (FINE TRIMMING UNIT RF400) required.</li> </ul>		

### E8000061 KIT FOR THE INSTALLATION OF THE WINNER W4

The kit includes the electrical wiring and the modifications in the out-feed area of the machine for the installation of Winner W4.

The included material is supplied in addition at the machine in its standard composition.

For dimensions, productivity and type of workable panels, refer to the Winner W4 technical data. ATTENTION: In case of Winner W4 configuration with cod. G280027S (Conveyor with fixed tilting air cushion table) or cod. G280028S (Automatic lifting air cushion table), cod. E8000096 (L2-Shaped air table at the machine infeed) is MANDATORY. In case of Winner W4 configuration with cod. G280026S (Conveyor with rollers and belts), cod. E8000097 (U-Shaped air table at the machine infeed) is MANDATORY.

Not compatible with cod. E8000092.

### E8000093

NR

NR

1

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### AIR CONDITIONER FOR ELECTRIC CABINET

It allows the perfect working of all the electronic components included in the electric cabinet, even at very high temperatures, up to  $40^{\circ}$ C ( $104^{\circ}$ F).

# Air table options

CODE	U.M.	QUANTITY	
E8000097	NR	1	
U-SHAPED AIR TABLE AT THE MACHINE INFEED Thanks to air table it is possible to handle big pane ☑ Electric fan power 0.75 kW.	els dimension at the ma	achine infeed.	
Gluing unit options			
CODE	U.M.	QUANTITY	
E8000041	NR	1	
2 POSITIONS EDGE MAGAZINE The rolls are supported by a cradle of rollers, so that the makes them extremely quick to replace. Edge banding strip presence detection device (using pho and the other is the same edge type. Automatic edge changement, NC managed. NC Z axis for edge guide device included as a standard.	otocell), also when the	-	
E8000101	NR	1	
PRE-MELT UNIT QM-705 FOR EVA HOT-MELT GLUE         Facilitates glue colour/type changing and feeds the glue         The glue is melted at 180°C and then sent to the glue collincludes the following:         ✓       Granulated glue container with capacity of appr         ✓       Pre-melt unit.         ✓       Glue pot with level sensor in replace of the stand	ontainer. ox. 5 kg, rapid glue cha	·	
E8000132	NR	1	
<ul> <li>AIRFORCE SYSTEM - P3</li> <li>Hot compressed air system for application of Laser Edg</li> <li>Powerful heating system combined with a compressed</li> <li>The nozzle has an automatic adjustment system for ope</li> <li>Range from 12 mm to 60 mm panel thickness.</li> <li>The types of edges applicable with AirForce System are</li> <li>✓ All edges prepared for Laser systems.</li> <li>✓ All edges dedicated to AirForce without absorbe Laser).</li> </ul>	air nozzle. ening and close accord	ling to panel thick	
The most used polymers are: ✓ PP+ABS or PP+PVC or PP+PMMA (functional la ✓ TPU pretreated edges, preglued edges. ✓ Minimum edge thickness 1 mm (with 1.2 mm fu Temperature and speed settings may change dramatica Cleaning maintenance using preglued edge is more imp Quality and look is far lower using preglued edges	unctional layer). ally using preglued edge		

Quality and look is far lower using preglued edges. It is not guaranteed correct device functioning with any kind of preglued edges, it is conditioned by material type (edge and glue treatment).

Maximum quality and best device functioning is performed using edges with coextruded PP functional layer.

Max speed 25 m/min is related to 18 mm panel thickness.

For thicker panels feed speed has to be reduced.

Feed speed is also conditioned by working units selected in machine configuration.

AirForce System is compatible with standard PUR or EVA systems available.

The minimum panel width increases (+5 mm).

#### **Technical Data**

Power consumption	9.5 kWh*
Compressed air consumption	350 (idle) - 980(work) NI/min*
Compressed air requirements	6 bar
* Condition: 20 m/min speed, 18 m Cod. E8000068 or E8000041 requi Cod. E4000231 or E4000232 requi	ired.

#### E8000072

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AX-1, NC Z AXIS FOR EDGE GUIDE DEVICE

Automatic adjustment of edge-guide height in proximity to the driven presser roller.

### E8000038

NR

NR

### ADAPTIVE INFRA RED LAMP AdIRL-700

Device placed before the Gluing Unit.

Heat up the panel side before the glue application, in order to optimize the adhesion process. Thanks to its exclusive self-adjusting function, Adaptive Infrared Lamp provides optimized functioning operations according to the temperature values detected by the sensor, ensuring high standards of quality and minimizing operating costs.

It is particularly useful in case of storage and/or processing of panels in cold areas.

# Pre-milling unit options

CODE	U.M.	QUANTITY
E8000314	NR	1

### PRE-MILLING UNIT FI-502

Rectifies the face that has to be edged before applying the glue.

The use of this unit produces a flat, even surface ideal to apply the proper amount of glue with a thin glue line.

Complete with 2 high frequency 12000 RPM and 3.5 kW motors.

The machining of the pre-milling unit ensure a chip-free finish thanks to:

- $\square$  Horizontal and vertical movement of the 2 motors on linear guides.
- $\square$  Independent automatic temporized intervention of the two motors.
- $\square$  Possibility to work with or without copiers.
- $ec{}$  Air blower to clean the milled surface of the panel before the glue application.
- The AUTO-SET device: ensures optimum positioning of the cutters according to the thickness of the panel being machined.

Symmetrical diamond tools H=45 mm Z=2+2 30° included.

### E8000032

NR

1

#### ANTIADHESIVE UNIT ADZ-700

The unit applies an anti-adhesive liquid on the top and bottom surface of the panel to ease a good cleaning of the workpiece being processed. It is positioned on the machine before the pre-milling unit. The anti-adhesive liquid is applied with precision by means of injectors controlled by the NC.

#### E4000232

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NR

PAIR DIAMOND-COATED CUTTERS H=65 mm Z=3+3 45°. In replacement of standard tools. Symmetrical tools.

# End trimming Unit options

<b>E8000225</b> NR 1	CODE	U.M.	QUANTITY
	E8000225	NR	1

#### **END-TRIMMING UNIT IT90-S**

Edge trimming unit complete with 2 motors, for edge banding strips with a thickness of up to 22 mm. Motors can be inclined on the vertical axis by between 0° and 25° with automatic rotation. Device to move the trimmer away rapidly during operation.

#### KIT 3 PNEUMATIC POSITIONS

Automatic disabling of the unit when motors are stopped. Central lubrication of slide guides. Pneumatic drive of two end-trimming units.

### **TECHNICAL DATA**

Description	Um	Min	Maxi
Speed	Rpm	12.000	
Motor size	KW	0.65+0.65	
Feed chain speed	m/min		25
Panel thickness	mm	10	60
Tools provided	Widia incl	uded	

# Top and bottom edge trimming unit options

CODE	U.M.	QUANTITY
E8000405	NR	1

#### TOP AND BOTTOM EDGE TRIMMING UNIT RS-100

Trims the top and bottom of the applied edge, using 2 high frequency motors complete with selfcleaning rotating vertical copier disks.

Can also be used for rough trimming of all types of edge-banding material and does not require adjustment when changing the thickness of the material being applied.

Made form a single, monolithic, high-rigidity structure ensuring precise machining even at maximum feed speed.

Slides on vertical steel guides with ball bushings.

All adjustment devices are in an ergonomic position, and the device is complete with 4 numerical indicators to facilitate adjustment.

The top unit is self-adjusting according to panel height.

Can be tilted up to 1 degree. Motors 12000 rpm complete with suction hoods.

Standard two positions pneumatic adjustment.

Pneumatic exclusion included.

Tools are not included.

E8000415	NR	1	
KIT PRO-NESTING FOR FINE TOP AND BOTTOM EDGE TRIMMING	UNIT		
Equipped with 2 bearing copiers in addition to the TOP vertical copi	er to perm	it processing of panels	
with holes up to diameter max. 35 mm and/or grooves.			

Distance between copiers 70 mm.

# Top and bottom edge trimming unit standard tools

CODE	U.M.	QUANTITY
E0001597	NR	1
PAIR OF STRAIGHT CUTTERS WITH DISPOSABLE INSERTS FOUNIT.	OR TOP AND BOTT	OM EDGE TRIMMING

# Fine trimming unit options

CODE	U.M.	QUANTITY
E8000508	NR	1
FINE TRIMMING UNIT RF400 Carries out top and bottom trimming or fine finishing of the edg vertical rotating self-cleaning disk copiers. The unit can also machine edges with door sealing gasket. Made form a single, monolithic, high-rigidity structure ensuring feed speed. The top unit is self-adjusting according to panel he Motors 12000 RPM complete with suction hoods. 4 NC axes driven by brushless motors and recirculating ball set It is possible to select and command the positioning of the cut control board to carry out all possible machinings available wit Thickness of edge-banding in strips: from 0.4 to 22 mm. The motors have fixed tilting. Pneumatic exclusion included. Tools are not included.	precise machinir ight. rews. rers and copying	ng even at maximum devices from the
E8000512	NR	1
INCREASED MOTOR POWER TO 2 KW ON FINE TRIMMING UN	IT	
E8000527	NR	1
KIT PRO-NESTING FOR FINE TRIMMING UNIT		

Equipped with 2 bearing copiers in addition to the TOP vertical copier to permit processing of panels with holes up to diameter max. 35 mm and/or grooves. Distance between copiers 70 mm.

# Fine trimming unit standard tools

CODE	U.M.	QUANTITY
E0001637	NR	1
PAIR OF MULTIFUNCTION CUTTERS FOR FINE TRIMM Possible machining operations: bevel 25° + R=1,5/2/3. 2 motors corner-rounding unit opt		
CODE	U.M.	QUANTITY
E8000706	NR	1
The unit carries out the corner rounding and the top and synthetic material up to max. edge thickness of 3 mm. T on panels with straight profiles and standard post-soft/ High finishing quality thanks to: movement on linear gui oscillating copying system, frontal copying device with p NC axis quick and reliable changeover (it doesn't require thick edges (i.e. between 0.4 mm and 3 mm). The adjustment is fully NC controlled. Two high frequency motors 12.000 RPM. Function for rounding only included. Pneumatic exclusion included. Tools are not included. Maximum working speed: 20 m/min for panels H ≤ 25 m	The corner rounding proce formed panels with 90 and des with recirculating ball pre-copying system. any manual intervention)	essing is possible both d 180 degrees. screws, vertical between thin and
E8000744	NR	1
LPT-700 DEVICE FOR THE APPLICATION OF SLIDING L Dedicated to very sensitive edges or edges coated with on the glued edge to prevent damages or to avoid detac copiers of the corner rounding unit. The sliding liquid is precisely applied by means of injector	protective film, it applies a hment of the film during t	a sliding liquid directly
E8000701	NR	1
Q-SYSTEM DEVICE FOR QUICK WORKING CHANGE		

This device allows NC quick change of 2 radius edges without the need for tool changeover.

# 2 motors corner-rounding unit standard tools

CODE	U.M.	QUANTITY
E0001714	NR	1

PAIR OF DIAMOND MILLING CUTTERS FOR 2 MOTORS CORNER ROUNDING UNIT AR30 NC/Q-SYSTEM, bevel 25°, R =1.5/3 MM

### Edge scraper unit options

CODE	U.M.	QUANTITY
E8000910	NR	1
<ul> <li>EDGE SCRAPER UNIT RB400</li> <li>Complete with chips collection box.</li> <li>Multi-Profile controlled by NC, with motorized control.</li> <li>Automatic change of machining operations via control panel, using a DC motor applied to the unit drive.</li> <li>Carries out finishing operations on thick PVC/ABS edge-banding strips.</li> <li>Standard accessories include compressed air blowers on the copiers.</li> <li>Pneumatic exclusion included.</li> <li>Tools are not included.</li> </ul>		
E8000914	NR	1
KIT PRO-NESTING FOR EDGE SCRAPER UNIT Equipped with 2 bearing copiers in addition to the TOP vertica with holes up to diameter max. 35 mm and/or grooves.	al copier to permit pr	ocessing of panels

Distance between copiers 60 mm.

# Edge scraper Unit standard tools

CODE	U.M.	QUANTITY
E0001913	NR	1
PAIR OF MULTIPROFILE KNIVES FOR EDGE SCRAPE		

Possible machining operations: bevel 25° + R=1,5/2/3 mm.

### Glue scraper unit options

CODE	U.M.	QUANTITY
E8001011	NR	1

### **GLUE-SCRAPER UNIT RCC-701**

Auto-aligning with the panel surface and auto-adjusting with the thickness to remove the exceeding glue in the junction panel-edge.

Complete with turning discs copying device and flat blade knives.

It includes as standard:

- $\ensuremath{\boxtimes}$  Pneumatic exclusion.
- $\overrightarrow{\square}$  Timed intervention of the flat knives.

 $\checkmark$  Air blowers with nebulised liquid for the tools cleaning.

 $\square$  Dust extraction kit.

# Brushing unit options

CODE	U.M.	QUANTITY
E8001035	NR	1
SUPERIMPOSED BRUSHING UNIT SP-501 To carry out the cleaning and polishing of the applied edge u and self-adjusting to the panel height. It includes two 0.37 kW motors at 2800 Rpm.	using cloth disc brushe	es. The unit is tiltable
E8000034	NR	1
LPT-700 DEVICE FOR THE APPLICATION OF CLEANING LIQUID FOR BRUSHING UNIT It applies a cleaning liquid on the glued edge at the end of the milling operations, giving a perfect cleaning and polishing of the edge thanks to the brush action. The cleaning liquid is applied precisely applied by means of injectors driven by the NC.		

# Hot air blower unit options

CODE	U.M.	QUANTITY
E8001000	NR	1

### HOT AIR BLOWER PH-700

To reactivate the color of thick plastic (i.e. 3 mm PVC/ABS) after the scraping operation. Fitted with 2 hot air blowers, 2 kW each, with adjustable temperature control.