

# ***Challenge Line***

## ***Single-side edge banding Machine***

***Of-120.11 - Challenge 4.3***

TO:



<b>OFFER NR.: Of-120.11</b>		Messrs.
<b>Date:</b>	28-04-2011	
<b>Your Ref.:</b>	Mr.	
<b>Our Ref.:</b>	ZV/dz	
Ref.		

## nr. 01 Edge Banding Machine mod. Challenge 4.3

**CE V. 415/3/50**

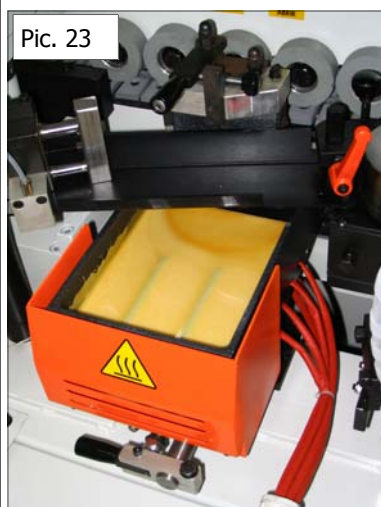
Especially designed for the application of veneer, PVC, ABS, melamine and solid wood strips from **0,4 mm** up to **3 mm** of thickness. The machine is composed as follows:



Pic. 21a

### Introduction steel fence (pic. 21a):

heatable from 0° to 90° approx. with a thermometer; with heavy steel support for the panel



Pic. 23

### Teflon Coated Lower glue pot (pic. 23a):

with quick heatin time (5-6 min.) **Capacity of 2 lt.** With granulated glue. The insertion of the unit is made by hand using the handle (pic. 24). The unit is equipped with the automatic lowering system (is settable) up to 150° from the working temperature example 200°.



Pic. 24



Pic. 25

Coils magazine installed. (pic. 25). No automatic strips magazine available.

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Coil support is Ø 650 mm.



**Vertical shear for cut the ABS and PVC up to 3 mm thick** and 54 mm width, with vertical movement and horizontal copying movement. The fonctionnement is electro-pneumatic (Pic. 27e).

Pressure rollers zone **composed by nr. 03 rollers made of steel**. The first pressure roller is motorized (pic. 30). The other 2 idle rollers are with opposing degree tilt for a perfect pressing. This unit is equipped with the **manual movement** with a **digital counters** (pic. 27e).



Pic. 30

Automatic adjustment of the top groups.



Control panel mounted at infeed end of the machine for operator convenience (Pic. 31g).

T.: 205°  
 velocità: 7,5  
 Pezzi lavorati: 1234  
 Metri lavorati: 012,3

MICROPROCESSOR control system. This system control the fonctionnement of the electro-pneumatic unit. Is also controlling the temperature and the lowering system of it. This system control and give information about: the number of meters worked, the number of pieces worked and the number of hours worked.

All our production are assembled right hand, is also possible to have the machine left hand just on demand.

CE standard security.

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**WORKING UNITS**

**Vertical end trimming (pic. 01):**

with two 0,4 HP motors at 12,000 rpm, workpieces unit 70 mm minimum length (with max 3 mm edge thick). **Nr. 02 dust extracion outlet Ø 80 mm..** The unit is inclinable from 0° to 15°, the inclination is made manually from the handles. Tools details: nr. 02 circular blade Ø 85 mm.

Panel width: min. 08 mm. - max. 50 mm.  
 Edge thick: max. 3 x 54 mm.


**Fixed edge trimming unit (pic. 03):**

with two 0,75 HP motors at 12,000 rpm. Vertical and lateral tracers, dust extracion outlet Ø 80 mm. The unit is manually adjustable: is inclined at 15°. Is also equipped with a 2 positions system, where we can preset the adjustment for other 2 different edge thick (ex.: 0,4 mm, or 2 mm edge thick). The unit is completed with **4 numerical counters** for the **vertical tracers** and **motor axial adjustment**. The unit is equipped with combinate R=2 or R=3 tools (this tools are med to work edge up to 3 mm wood made and R=2 or R=3 mm radius ABS made)

Panel width: min. 08 mm. - max. 50 mm.  
 Edge thick: max. 0,4 - 2 or 3 mm.. (2 or 3 mm for coil edges as veneer, melamine or PVC and ABS).



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Pic. 05

**MR Scraping unit (pic. 05):**

to remove and clean the knife marks. Vertical and horizontal tracers with nr. **02 tools R=2 or R=3** for radius clean. The unit can be manually excluded. Nr. 02 digital counters are installed on the tools-holders for a precise adjustment. The liquid sprinkler help the cleaning operation taking off the excess of glue (pic. 05a) and the **chip box with dust outlet**.



Pic. 05a



Pic. 11

On request we can install the **RCL Glue Scraper** (is include also a 300 mm basement lenght encrase) (**pic. 11**):

to remove the eventually glue exceed remained on the edge. Vertical tracers and nr. 02 reverseble knives. On the unit we have installed two air blower used for the tools cleaning. The unit is equipped with **pneumatic On/Off positioning** controlled by the control board.

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**Buffing unit (pic. 06):**

with two 0,35 HP inclinable motors at 3,000 rpm for removing the glue excess. The unit is equipped with: nr. 02 rag disks Ø 100 mm.

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TECHNICAL DATA		DIMENSIONS	
Edge thick:	0,4 - 3 mm.	Length:	3.000 mm.
Min. panel lenght:	60 mm. ca.	Width:	825 mm.
Min. panel width:	90 mm. ca.	High:	1.270 mm.
Installed power:	7 Kw ca.	Weight:	750 Kg ca.
<b>Max panel thick:</b>	<b>50 mm. ca.</b>		
Min panel thick:	08 mm. ca.		
<b>Working speed:</b>	<b>10 mt/1'</b>		
Dust outlets:	400 V / 3 fasi / 50 Hz		
Volt:	Nr. 01 Ø 150 mm		
Pneumatic Operating Pressure:	6 ATM		