



Machinery for the Woodworking, Stone,  
Glass, Plastic, and Metalworking Industries



**Date :** 05/13/2025 - 6:54 AM \*  
**EXF # :** MA-300007  
**Category :** MATL. HANDLING-AUTOMATION  
**Brand / Model :** NARDELLO "SM 450"  
**Machine Type :** PANEL SPLITTER  
**Year of Mfg. :** 2025  
**Condition :** Brand New w/Warranty  
**Elect / Voltage :** 400/440 V, 50/60 Cy, 3 Ph.  
**Special Note :**

**FOB / Region :** ITALY

**Appr. Repl. Cost. :** € 165,000

**Price :** €0 \*

**Comment :** Why process just 1-panel at a time...this NARDELLO

**Leasing :** Call for Quote

\* Pricing is valid at the time of printing and subject to change at any time.

#### Description :

- **NARDELLO SPECIAL PANEL SPLITTER:**

For Single Side Edgebanders only; Working Capacity for splitting (1) single part into (2) pieces;

- **Specifications:**

**Splitter to cut laminated board with HPL, to obtain 5 panel cabinet doors.**

- MDF parts, occasionally particleboard
- Length 2438 mm.
- Minimum width: 4.1875 inches&rarr; 106.36 mm, to be split into 2 pieces, each 2 inches wide&rarr; 50.8 mm
- Maximum width: 9.1875 inches&rarr; 233.37 mm, to be split into 2 pieces: one 6 inches (152.4 mm) and one 3 inches (76.2 mm)
- Minimum and maximum thickness of the parts:
- Minimum: 0.625 inches&rarr; 15.88 mm
- Maximum: 1 inch&rarr; 25.4 mm
- 2 sides edgebanded
- Daily production +/- 500 pcs

**It consists of:**



Please ask me

**Marcus Johansson**  
800-374-5009 ext. 355  
Intl. +1 704-841-2001 ext. 355  
marcus.johansson@exfactory.com

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**EX-FACTORY INC.:** 1805 Sardis Road North | Charlotte, NC 28270 USA | Ph +1 704.841.2001 | Fax 704.644.8068  
**Warehouse & Showroom:** 8191 Logistic Drive, Suite E | Zeeland, MI USA | Ph +1 616.772.1520 | Fax 704.644.8328



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Motorized infeed roller conveyor, with PVC-coated rollers

- Steel base, which is fixed on two shoulders, where the machine can move
- Plan with galvanized idle rollers to prevent damage to the delicate surface of the panels, as far as possible considering the residual dust factor on the panel and the type of suction used by the customer.
- Upper drive unit with two drive belts, different sizes, longer on the guide side, shorter on the outer side to bring the panel onto the cutting area.
- Bottom engraver, with 1.85 kW motor.
- The bottom scoring unit has a post forming function, it rises automatically after the panel has passed through, so that the end of the panel can be cut without chipping the side.
- Main saw with 4 kW motor
- Motorized exit roller conveyor, with PVC-coated rollers

**Technical data:**

EC safety regulations

- Electric scoring height adjustment
- Electrical alignment of the engraver with the saw blade
- Electric main blade lift
- Automatic lifting with pneumatic cylinder of the engraver (Post forming function)
- Time-controlled micro to regulate the rise time of the engraver with post forming function
- Towing unit with two drive belts. The speed can vary from 6 to 35 m/1'. This is the haul-off speed and does not correspond to the cutting speed, which depends on the material to be cut, and the tools.
- Electrical machine displacement

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- Control panel
- The machine is delivered without tools
- The machine cannot avoid the banana effect, but ensures the parallelism of the cut pieces
- Tolerance +/-0.2 mm/1mt.
- Scoring motor: kW 1.85
- Saw blade motor: kW 4
- Rotational speed: 4000 g/1'
- Volt 400/50
- Technical documentation: Instruction manual in English. Circuit diagram in English. CE certification in English.

**NOTE:** NARDELLO has other models & configurations to suit most standard production requirements. NARDELLO 's team of engineers can also study your detailed production requirements & if one of their standard machine models is not adequate, they will be happy to discuss a possible custom solution for your particular application.

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