

CR-TB *Cross Sander*



*Superior finishing on
MDF and PB boards*



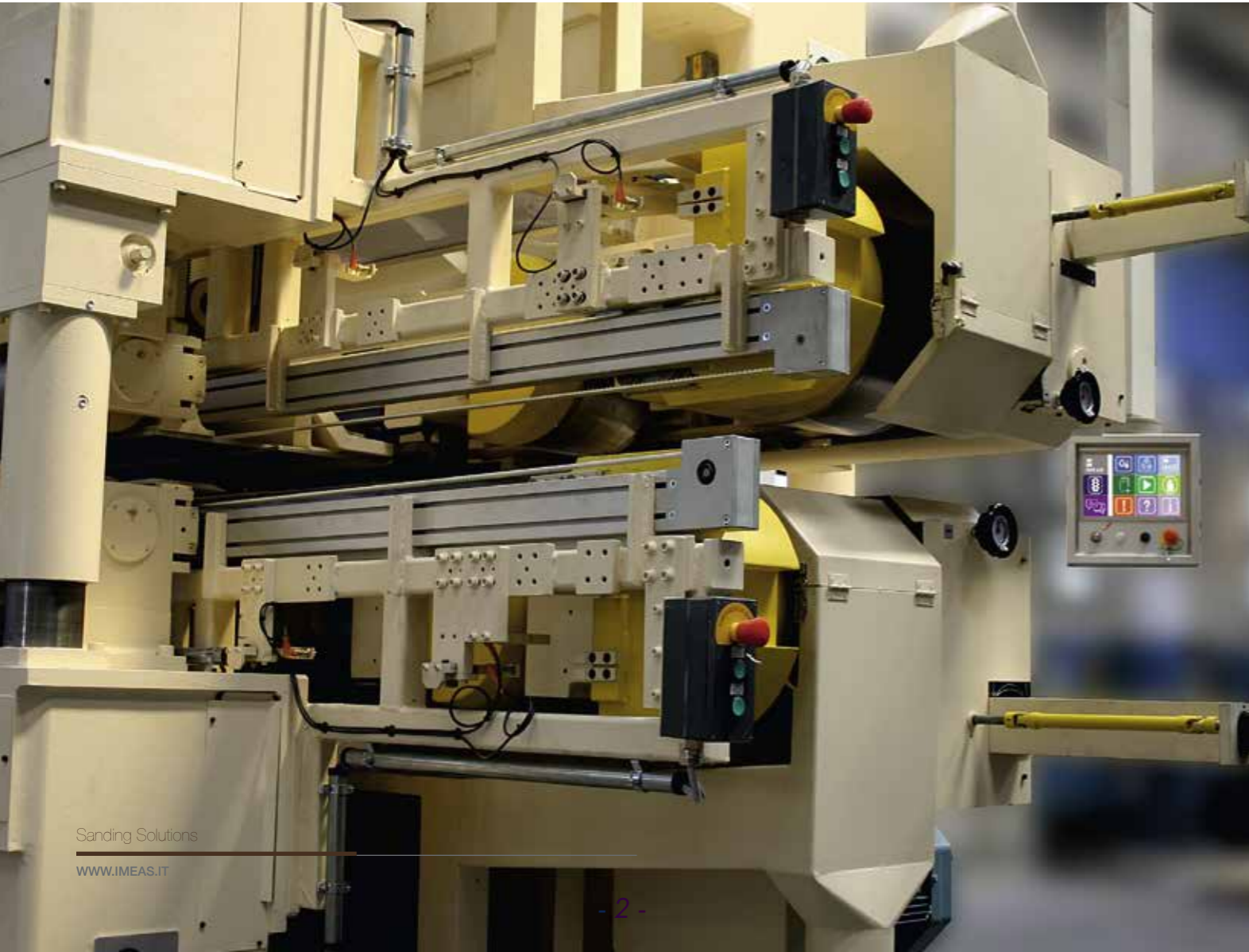
Features & Benefits

In nowadays highly competitive environment, the best way to create value is to differentiate its own products from competitors ones. Hence the need to integrate a value-added process into the sanding line to improve the surface quality. This is especially true for panels that have to be varnished or coated with light melamine paper.

The cross sander was developed for MDF, HDF and particle-board panels to reduce their roughness and improve the overall surface appearance. This is achieved by two abrasive belts that sand the panel crosswise its feed direction.

The cross sander allows:

- to remove marks and lines
- to reduce the surface roughness
- to decrease the quantity of paints and their cost
- to reduce the use of solvents
- to improve the impact on the environment.



CONCEPT

The concept of this sander type consists of the cross-cutting of the "micro-peaks" that are part of the normal roughness of every wood-based panel; this allows to obtain a more homogeneous and consistent surface.

The innovative "Chevron guide belt" makes this machine much more productive and reliable than any other available on the market.

ENVIRONMENTAL FRIENDLY

The cross-belt sanding is a process that helps environment by reducing the use of paints and solvents.

BELT REPLACEMENT SYSTEM

Abrasive belt replacement is easier than ever, thanks to the revolutionary built-in motorized trolley installed just in front of each sanding unit.

INTEGRATION

Imeas' cross sanders machines can be fully integrated with other Imeas' solutions, such as our **EvoL** sanders, as well as into existing lines.

Technical Data Sheet

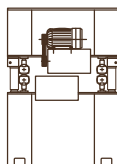
STANDARD FEATURES

- Frames made of electro welded steel, stress relieved, CNC milled, prime-coated and painted.
- High efficiency motors
- PLC Siemens S7 with ProfiNET™ connection
- Wide screen with touch panel graphical interface
- Pneumatic shock-absorption system on top feeding rolls
- Built-in abrasive belt replacement trolley
- Long-life grease lubricated bearings⁽¹⁾

- On-board pneumatic plant with emergency tank, lockable inlet, manometer and pressure adjustment

OPTIONAL FEATURES⁽²⁾

- Refrigerator with close loop for platens cooling
- Electronic interfacing and self-setting of sanding units
- Sound-proof enclosure cabinet
- On board vibrations monitoring system
- PLC Allen-Bradley



CR-TB

Model	CT-TB	CR-T
No. of working units	Two opposite and counter-rotating units	One top unit
Process type	Cross sanding for fine finishing	
Useful widths	1900 - 2600 - 3200 - 3600 mm	
Thickness range	1,5÷200 mm	
Machine opening	300 mm	
Feeding speed ⁽³⁾	10÷100 m/min (120 m/min available as option)	
Main motors	2x 18 kW or 2x22 kW	
Abrasive belt length	9.160 - 12.560 mm (according to working width)	
Machine weight	14.000 - 23.000 kg (according to working width)	

NOTES

1. Only available on high-speed rotating bearings.
2. Some of these features may be available at extra price.
3. We recommend 70m/min for best results.

IMEAS spa reserves the right to change any data without notice.