

# *SuperPerformance-XL*



*Calibrating and sanding  
for CLT panels*



**IMEAS**

1966 50 Years of 2016  
Innovation and Service

# Features & Benefits

This state-of-the-art series of machines have been specifically engineered for processing thick, cross-laminated boards.

The offset units configuration, the wide machine opening (up to 400mm), the powerful main motors and feed gearboxes, the precise electronic unit positioning all, work together to deliver a perfect, smoothly sanded surface.

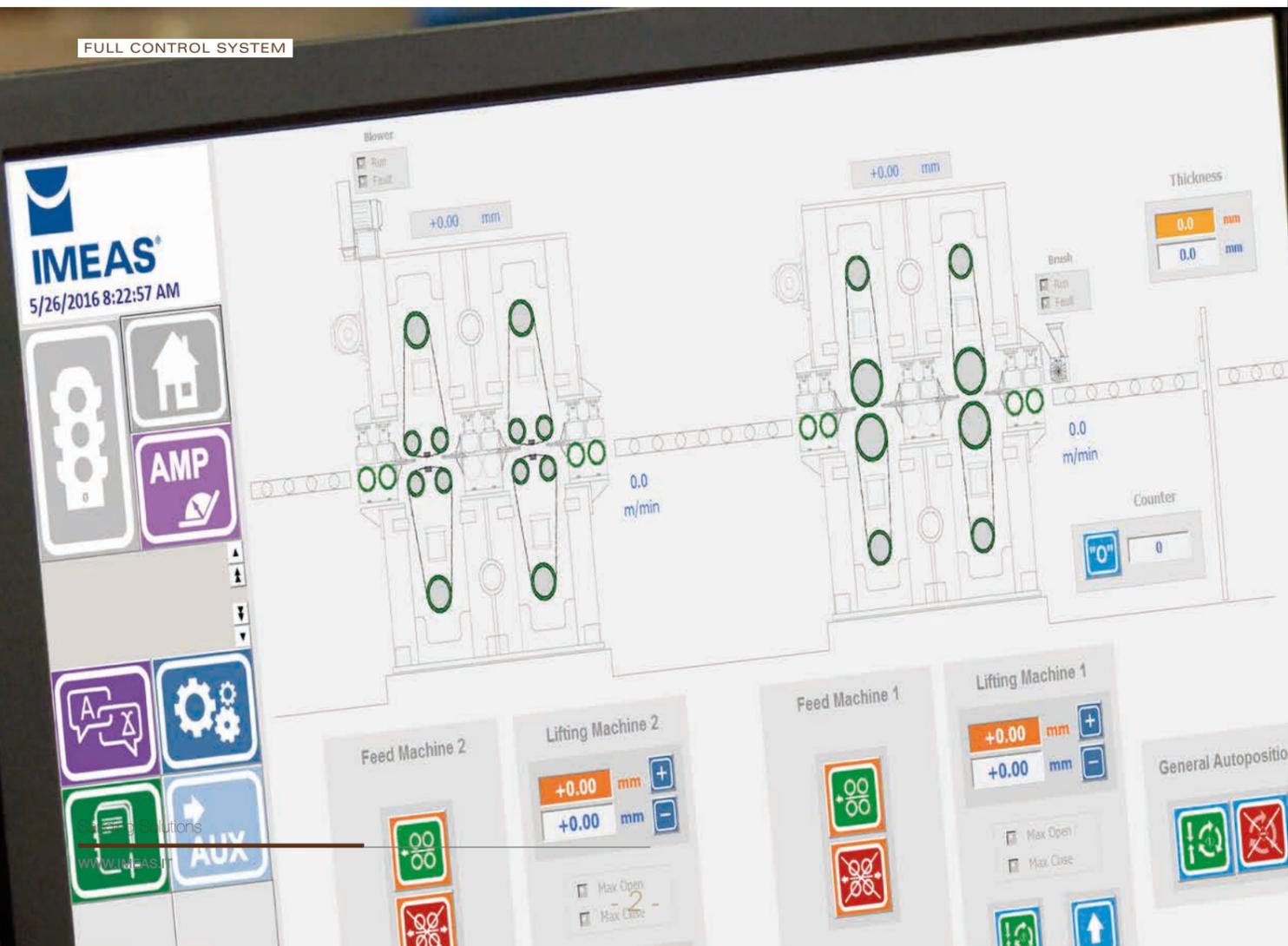
The advanced graphical HMI interface combined with our FCS and FCB systems for unit positioning and belt tracking, turn complex operations into simple activities.

Additionally, they assure increased abrasive belt life, reduced operational costs and increased overall productivity.



CLT CALIBRATING LINE

FULL CONTROL SYSTEM



## CONFIGURATIONS

Imeas' **SuperPerformance XL** are available as top/bottom or top-only configurations, with useful widths up to 3600mm (12 feet).

## CALIBRATING DRUM

The calibration is achieved through a wide diameter steel roll engineered to minimize bending and keep thickness tolerance within optimal values.

## SANDING PLATENS

Sanding platens have been developed in cooperation with first class suppliers to obtain an homogeneous, superior finish.

## SANDING BELTS

The use of extra long (XL) abrasive belts (4000mm) assures long life and reduced maintenance.

## INTEGRATION

Every machine is equipped with Imeas' premium **Full Control System™** technology (FCS) and can be combined with our Cross-Belt sander.

# Technical Data Sheet

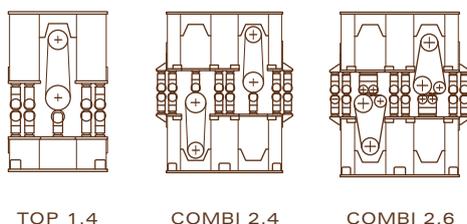
## STANDARD FEATURES

- 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
- Integrated grease lubricating system<sup>(1)</sup>

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

## OPTIONAL FEATURES<sup>(2)</sup>

- 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



Model <sup>(3)</sup>	TOP 1.4	COMBI 2.4	COMBI 2.6
No. of working units	One top calibrating unit	Two offset calibrating units	Two offset, combined calibrating/sanding units
Process type	Calibrating and sanding of CLT panles		
Useful widths	3.200 - 3.600 mm		
Thickness range	5÷300 mm (400mm available as option)		
Machine opening	350 mm (450mm available as option)		
Feeding speed	5÷50 m/min		
Main motors	up to 250 kW (calibrating) - 175 kW (combined) - 110 kW (sanding only)		
Abrasive belt length	4.000 mm		
Machine weight	25.000 - 45.000 kg (according to model)		

### NOTES

1. Only available on high-speed rotating bearings.
2. Some of these features may be available at extra price.
3. Other models available on requests.

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