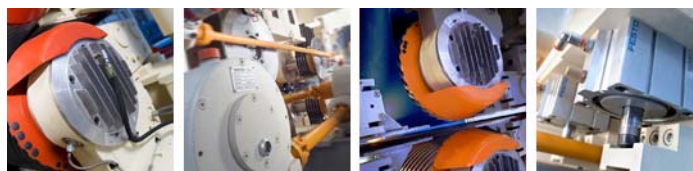


# HPL Grinding Machines

Solutions for HPL

## MODELS

LCIs belong to IMEAS HPL Grinding models and are available in two different configurations to meet all HPL Grinding needs.



## LCI

Equipped with one bottom unit, this machine is perfect to obtain a precise control of the grinding process on bottom HPL surfaces.

*High quality and reliable grinding equipment dedicated to the decorative High Pressure Laminates Industry*

## LCI-T

Equipped with one triangular bottom unit, this machine is perfect to obtain a precise control of the grinding process on bottom HPL surfaces with a low pass line.

The IMEAS grinding machines for decorative laminates match 0.01 mm accuracy calibration thickness with enough roughness of the surface for effective gluing on the panel.

The bottom grinding head, equipped with a calibrating roll either made of smooth steel or rubber-coated, is set against a Billy Roll that can be either chromium-plated or rubber-coated, depending on Customer's needs.

The exclusive three-step feeding system allows keeping the plate in tension during the whole process; this guarantees high production performances without damaging the material even in case of ultra-thin laminates.

Appropriate systems for ventilation, exhaust and deionization allow removing the dust produced during the grinding process, thus preventing the creation of electrostatic charges.

## General Data

### FRAMES & MATERIALS

- IMEAS uses only first choice materials from ISO 9001 certified companies
- All frames are made of electro welded steel. They are stress relieved, sanded, prime-coated and carefully painted

### MOTORS

- IMEAS uses only high efficiency motors of first class brands
- Feeding speed is controlled by AC motors and frequency controllers
- Installed powers in accordance with the job to be performed

### CONTROL & INTERFACING

- PLC Siemens S7/300
- Easy to use controls, with TFT operator panel or push-buttons
- ProfiBus™ connections by Siemens

### ELECTRIC CABINET

- Main switch for insulation from the main line power
- The cabinet is built in separated and disconnecting sections for easy transportation.
- Full cooling or air-conditioning

### PNEUMATIC PLANT

- Fully accessible
- With emergency tank
- Lockable inlet, manometer and pressure adjustment

### NOTES

1. Only available on high-speed rotating bearings.
  2. Option available at extra price.
- IMEAS spa reserves the right to change any information without notice.

## Data sheet & Comparison chart

### MODELS

	LCI	LCI-T
No. of finishing units	1 bottom	1 bottom triangular head
Head configuration	Rubberized and grooved contact roll	
Useful widths	1300 – 1600 – 1900 – 2300 mm	
Thickness range	0,4÷25 mm	
Main motors	Up to 90 kW	
Feeding system	Three independent and electronically controlled gearboxes	
Abrasive belt length	2620÷2800 mm depending on version	
Abrasive belt width	Useful width + 50 mm	
Machine opening	Up to 200 mm	
Machine weight	10.000÷15.000 kg (depending on width and configuration)	
Machine pass line	1400 mm	980 mm
Feeding speed	7-70 m/min	

### OTHER FEATURES

- Wide screen with touch panel graphical interface
- Integrated bearing temperature monitoring system with alarm interface<sup>(1)</sup>
- Integrated lubrication circuit<sup>(1)</sup>
- Integrated de-ionizing bars
- Top cleaning brush at machine infeed and top/bottom air cleaning device at machine out feed

### OPTIONAL FEATURES

- Sound proof cabin<sup>(2)</sup>
- PLC and OP of different brands<sup>(2)</sup>