

HS Grinding machines



High productivity on HPL sheets and flexible coils



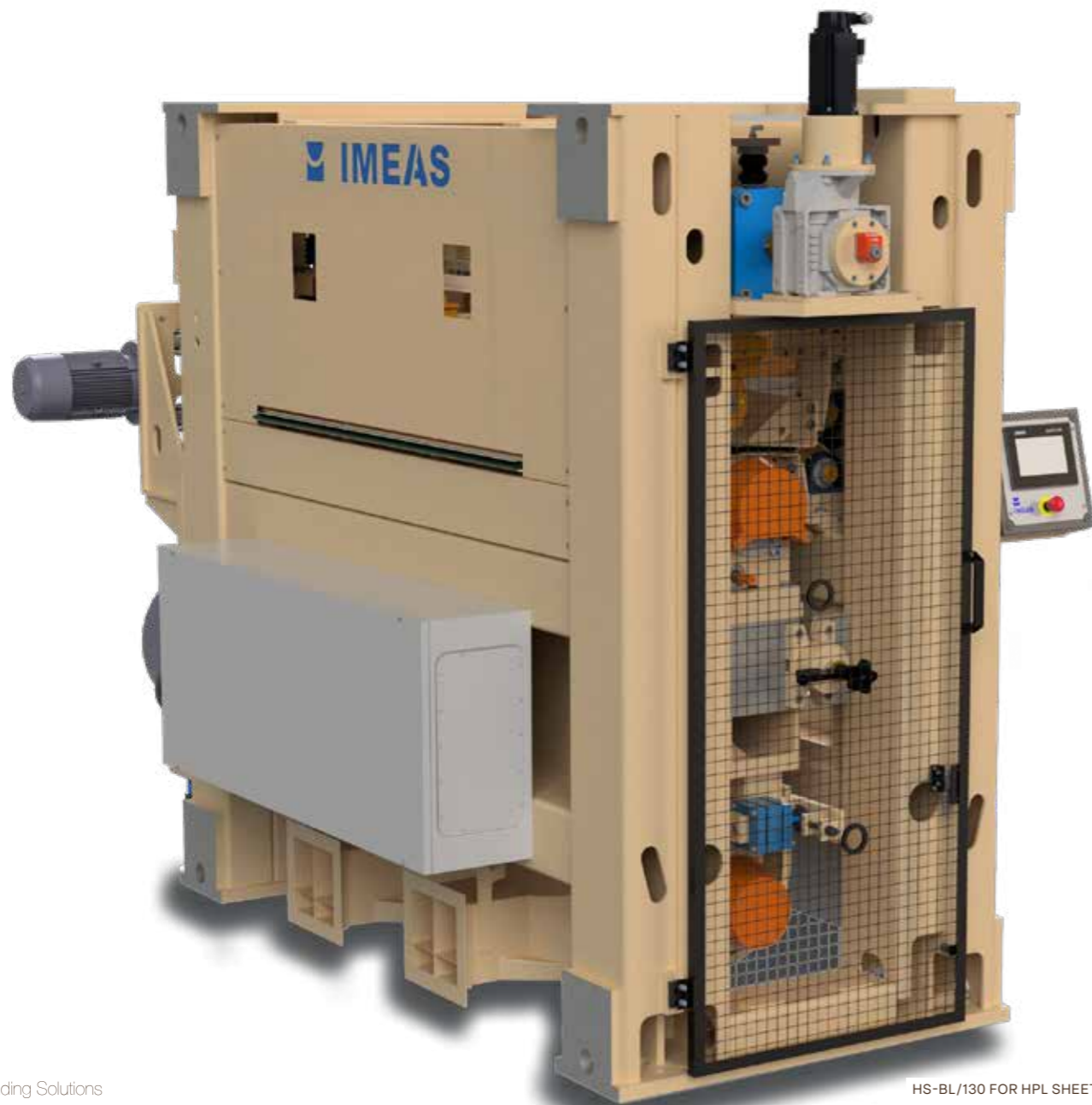
Features & Benefits

The **HS Series** – short for HPL Sander – represents the perfect blend of IMEAS's decades-long expertise in high-pressure laminate grinding and a modern, space-saving design.

Thanks to the integration of all electrical components directly onboard, the HS Series ensures lower transport costs and drastically reduces installation time, making start-up faster and more efficient than ever.

Designed with user-friendliness and performance in mind, HS sanders deliver high productivity with minimal maintenance requirements.

The base configuration features intuitive manual controls, while a wide range of optional hardware and software upgrades is available – including fully electronic management – to meet the needs of the most demanding production environments.



HS-BL/130 FOR HPL SHEETS



HS-BC/130 FOR FLEXIBLE PVC COILS

CONCEPT

IMEAS grinding machines for decorative laminates combine **calibration accuracy of up to 0.025 mm** with the ideal surface roughness required for optimal adhesive bonding to the panel.

The **bottom grinding head**, featuring a rubber-coated calibrating roll, works in conjunction with a counter-pressure Billy Roll, also rubber-coated, to ensure uniform thickness and surface consistency.

An **exclusive three-stage feeding system** keeps the HPL sheet perfectly tensioned throughout the process, guaranteeing high productivity and consistent quality, even when processing ultra-thin laminates, without risk of damage.

To ensure a clean and safe working environment, the machines are equipped with **advanced dust extraction, ventilation, and deionization systems**, which effectively remove grinding residues and eliminate electrostatic charges during processing.

MODELS

The **HS** machine is available to process either sheets or coils and can be built with one bottom or top grinding unit. The four models are:

- **HS-BL**: bottom unit for sheets
- **HS-BC**: bottom unit for coils
- **HS-TL**: top unit for sheets
- **HS-TC**: top unit for coils

Technical Data Sheet

STANDARD FEATURES

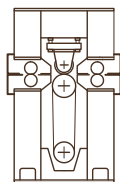
- Electro-welded steel frames, stress-relieved, CNC machined, primed and painted.
- High efficiency motors
- Siemens S7 PLC
- Touch screen panel with graphical interface
- Long-life grease-lubricated bearings
- De-ionizing bars
- Top cleaning brush at infeed and top/bottom air

cleaning system at outfeed

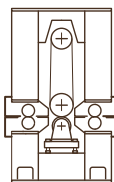
- On-board pneumatic unit with emergency tank, pressure gauge, regulator and lockable air inlet
- On-board electrical cabinet⁽²⁾.

OPTIONAL FEATURES⁽¹⁾

- Electronic interfacing and self-setting of sanding units
- Sound-proof enclosure cabinet
- PLC Allen-Bradley



HS-B



HS-T

Model	HS-B	HS-T
No. of working units	One bottom grinding unit (-B)	One top grinding unit (-T)
Applications	Grinding of HPL sheets (-L) and flexible coils (-C)	
Useful widths	1350 – 1650 – 1950 mm	
Thickness range	0,5÷6,0 mm	
Machine opening	25 mm	
Feeding speed	7÷70 m/min (higher speed available as option ²)	
Main motors	60÷75 kW	
Abrasive belt length	2800 mm	
Machine weight	9.500 - 10.500 kg (according to working width)	

NOTES

1. Available at extra price.
2. On request the electrical cabinet can be supplied as a stand-alone item. Extra price may apply.

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