

# IHRESS

PREMIUM PACKAGING MACHINERY

**NEW!**



## iCBP200

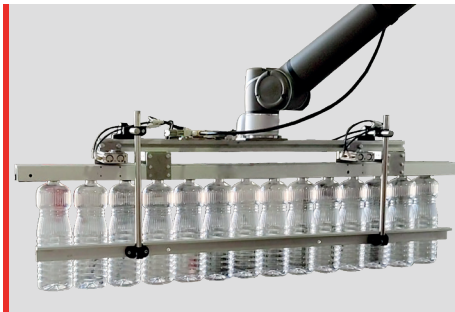
***Collaborative Robot Palletizing Station***



Pol. Ind. La Serra  
C. Camí de la caseta, 3-A | 08185 Lliçà de Vall (BARCELONA)  
+34 936 555 600 | [ihress.com](http://ihress.com) | [info@ihress.com](mailto:info@ihress.com)



Multifunction Gripper – Suction Cups



Multifunction Gripper – Side Blades



Multifunction Gripper – Vacuum Plate



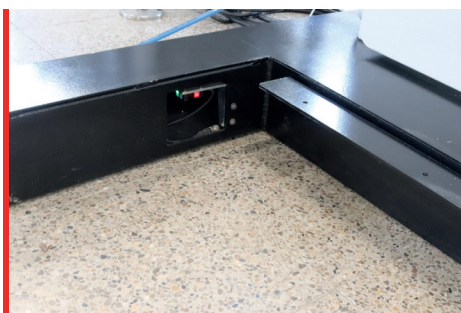
Load Capacity: Up to 20 kg



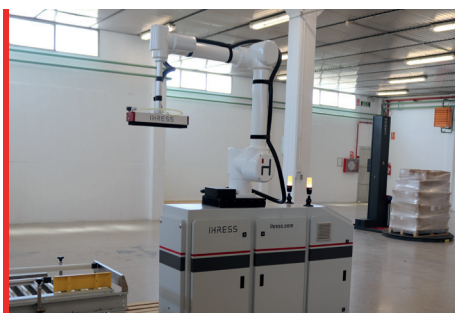
Lifting Column Stroke: Up to 2,400 mm



Visual and Acoustic Beacons for Status Indication



Pallet Presence Detection Sensors



Speed: Up to 10 boxes/min



12" Full-Color Touchscreen HMI

## Standard Technical Specifications

Specification	Description
Power Supply	220V, 2.0 kW
Maximum Load Capacity	20 kg
Box Size and Pattern Type	Programmable
Maximum Pallet Size	1200 mm * 1200 mm
Maximum Load Height	2.400 mm (including pallet)
Maximum Speed	10 cases/min (in non-collaborative mode)
Maximum Working Speed	1.2 m/s
Maximum Reach	1600 mm
Number of Robot Arm Axes	6 axes

Joint Movement Range	J1	J2	J3	J4	J5	J6
	±180°	±180°	±175°	±180°	±180°	±180°
Maximum Joint Speed	A1	A2	A3	A4	A5	A6
	100°/s	100°/s	120°/s	180°/s	180°/s	180°/s

Communication Protocol	EtherCAT
Display	12-inch full.color touchscreen
Status indicators	Integrated signal lights
Safety Functions	Emergency stop function and reserved external safety interface (I/O controlled) *Optional: Safety fence, Safety LiDAR.
IP	Robot Arm IP54, Gripper and accesories IP32
Operating Temperature Range	0-55 °C
Material	Aluminium alloy

Configuration	Controller: Keba Servo driver: Bosch Group Gripper: IHRESS vacuum plate / Other options Safety Relay: Pilz Circuit breaker: Schneider Electric Push buttons: Siemens APT
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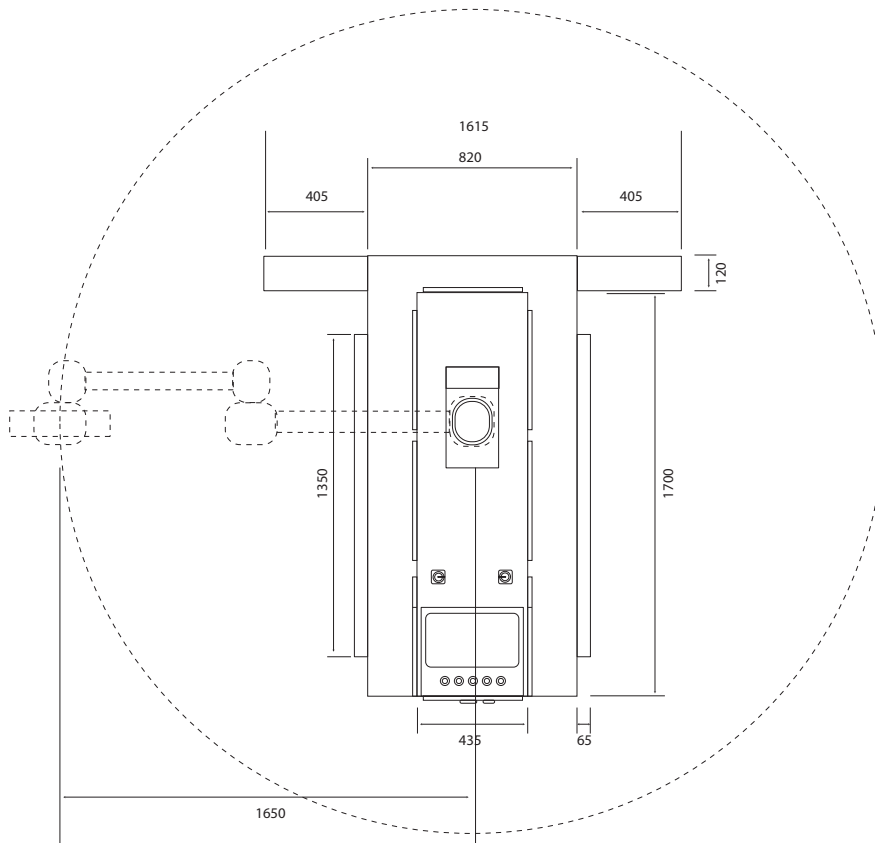
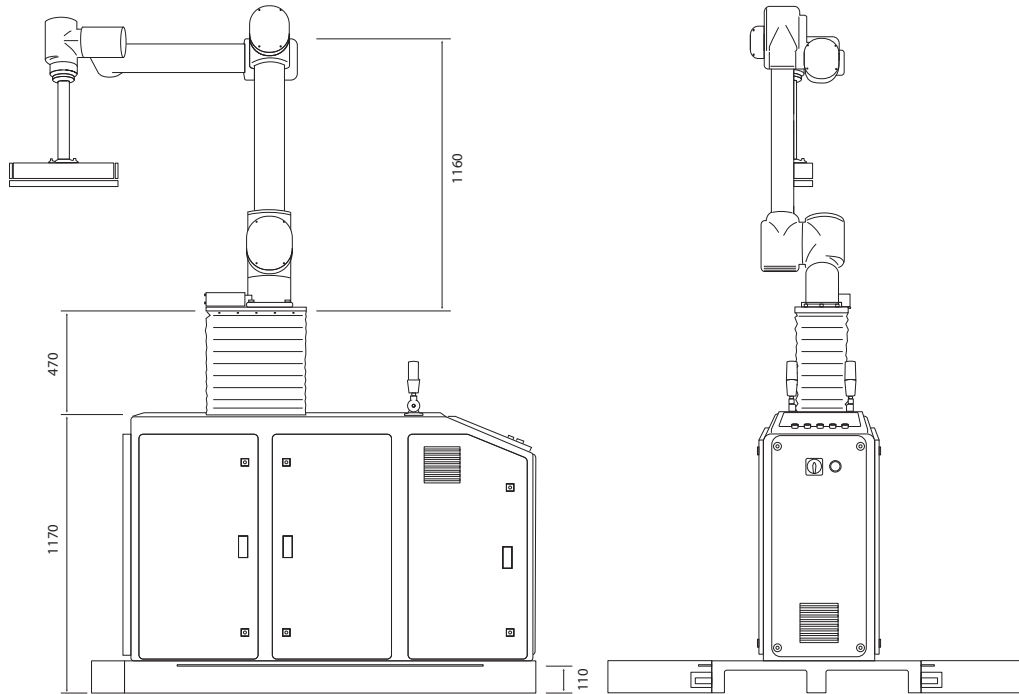
### Options

Laser sensors for increased safety and faster palletizing

Machine vision system

Multiple gripper or clamp options depending on product type

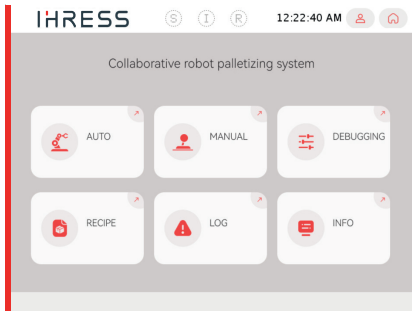
**STANDARD SYSTEM DIMENSIONS**



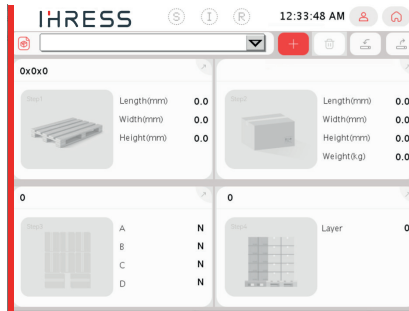
## CONFIGURATION VIA HMI

The system includes palletizing software with a simple and user-friendly interface designed for operators. It allows the configuration of all essential parameters required for the correct and efficient operation of the equipment.

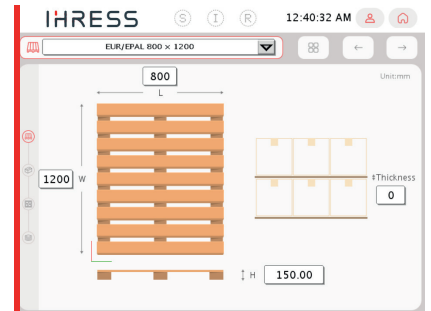
All software functionalities are managed directly through the integrated 12" touchscreen.



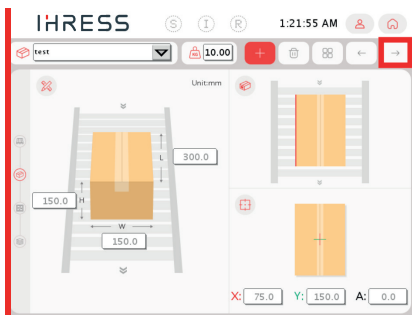
**Home Screen**  
Menu



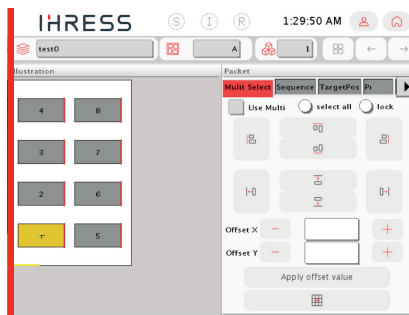
**RECIPE Menu**  
Pallet configurator / Box dimensions and orientation / mosaic layout and number of layers



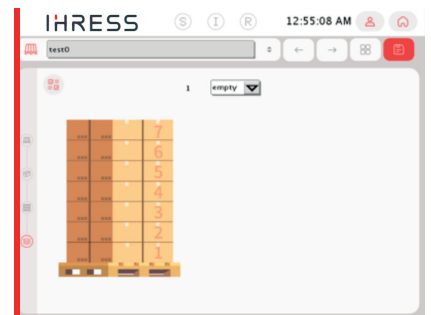
**RECIPE / PALET Menu**  
Pallet / liners size configurator



**RECIPE / BOX Menu**  
Box size configurator

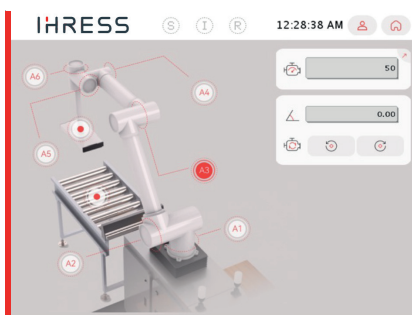


**RECIPE / MOSAIC LAYOUT Menu**  
Box Position Configurator for Layer-by-Layer Mosaic Palletizing



**RECIPE / LAYERS Menu**  
Box Layer Configurator on Pallet

Manual mode allows for axis position adjustments and provides easier access for maintenance tasks.



**MANUAL Menu**  
For Custom Movement of Each Axis, Gripper, and Roller Conveyor

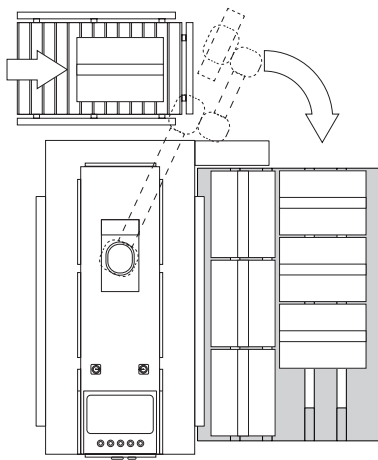


**DEPLOYMENT OPTIONS**

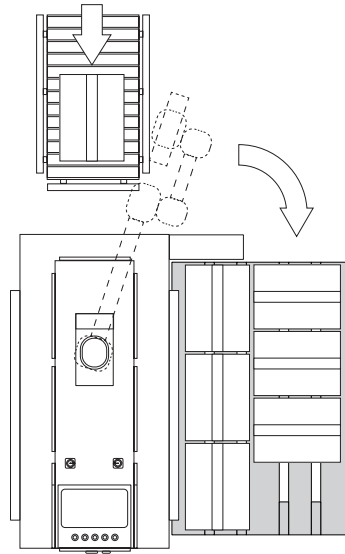
*These layout options allow flexible integration into different production lines and warehouse configurations, depending on available space and material flow.*

*Frontal entry with one side pallet*

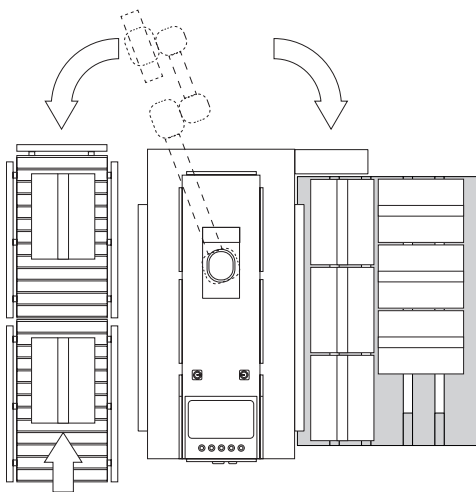
A//



B//



*Lateral entry with one side pallet*



*Frontal entry with two side pallets*

