

PLUG & PALLETIZE

MOBILE & FLEXIBLE

AGV COMPATIBLE

3 COBOT VERSIONS

powered by
UNIVERSAL ROBOTS

**CE APPROVED & CERTIFIED
INDUSTRIAL APPLICATION**



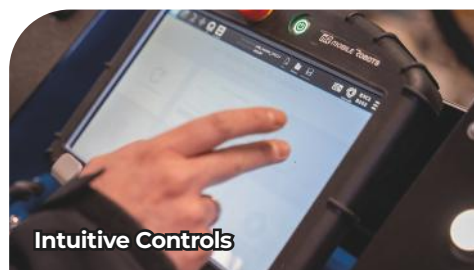
MobilePalletizing

PLUG & PRODUCE AUTOMATION FOR YOUR PALLETIZING READY FOR IMMEDIATE USE IN INDUSTRY, TRADE & SERVICE

Automate burdensome tasks related to packaging or confectioning. Thanks to the integrated collaborative lightweight robot, our Cobot Palletizers do not require a bulky protective housing and their compactness requires little space only. The smart design allows for changing locations in your production as required, while the programming-free, intuitive operation enables quick deployment.

Thanks to the modular design of the three basic versions with payloads of up to 12.5 kg, 20 kg and 30 kg (Universal Robots), the system can be configured individually with optional accessories and used in a wide variety of industries, e. g. in areas such as follow:

- **FOOD & BEVERAGE • PHARMACEUTICALS • AUTOMOTIVE**
- **CONSUMER GOODS • LOGISTICS ... and many others.**



Intuitive Controls



Config. Gripper with tactile Bumper



Option: Conveyor at choice



Option: Telescopic Lifting Axis

FEATURES, FACTS & BENEFITS YOUR EFFICIENCY ADDED VALUES

• **EFFECTIVE & SUSTAINABLE**

Complete automation of physically strongly demanding manual activities

• **COMPACT & INTEGRATIVE**

Smooth integration into existing process layouts for optimal workflow

• **MOBILE & FLEXIBLE**

Compact design enables change of location as required

• **COLLABORATIVE & SAFE**

CE-certified HRC application with high acceptance by employees

• **INDIVIDUALLY CUSTOMIZABLE**

Versatile configurable & optionally expandable - e.g. freely selectable end-of-arm tool for single or multiple handling, lifting axis, conveyor or safety scanner

• **EASE OF USE**

Intuitive control, user-friendly operation

ALL INFOS ON THE PALLETIZERS & TECHNICAL DATA ONLINE:



FLEXIBLE STACKING:

With an intuitive Palletizing Software you can simply insert intermediate layers and vary your palletizing pattern layer by layer as required.

FREE PACK PATTERNS

OFFLINE PROCESSING

DRAG & DROP EDIT

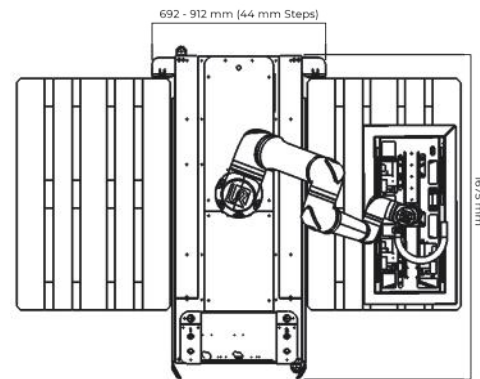
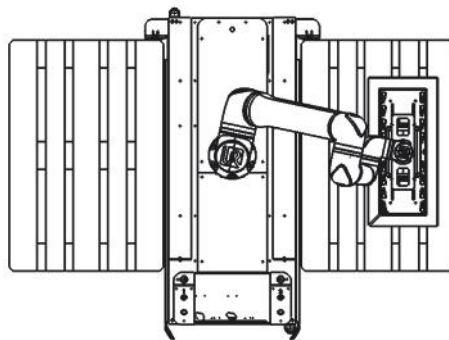
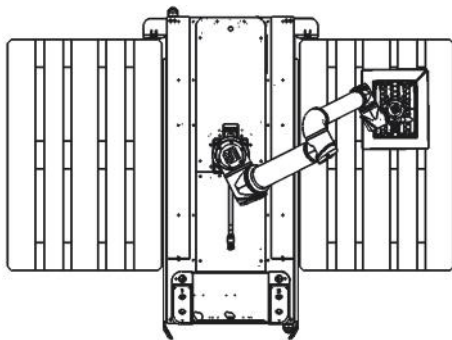
CUSTOMIZABLE PALLETIZING FOR YOUR FLEXIBLE WORKFLOW

TECHNICAL DATA

BASIC TYPE UR 10 (12.5 kg payload)

BASIC TYPE UR 20 (20 kg payload)

BASIC TYPE UR 30 (30 kg payload)



Pallet Bays:	2
Power Supply:	400V, 50 Hz 16A
Power Consumption (max):	Dependent on robot type & optional lifting axis: UR 20 & UR 30 1,020W; UR 10 885W (incl. lifting axis +480W)
Compressed Air:	6 bar (consumption resp. to gripper)
Interfaces:	I/O (freely available, if no conveyor is combined)
Safety:	MODBUS TCP Emergency-Stop (In & Out) 2x Digital Input; 2x Digital Output 1x Analogue Output Power (230V or 400V) KAT. 3 PId, CE conformity Following TS 15066 Power & Force Limitation (EN ISO 10218-1) Tactile Safety Contact Buffer (EOA)

Stacking Heights (max):	Up to 2,400 mm (UR 20 with lifting axis)
Cycle Speed:	Dependent on product weight, pack pattern & pallet type 4-36 packs/min.

SCOPE OF DELIVERY

- 1x Compact Palletizing Unit with switch cabinet & control desk
- 1x Cobot Universal Robots (at choice UR 10, UR 20 or UR 30)
- 1x End-of-Arm Tool at choice (e.g. soft areal vacuum gripper or mechanical gripper)
- 1x Tactile Safety Contact Buffer for gripper housing
- 1x Set flexible cable/hose guide for robot
- 1x Palletizing Software for free packing patterns & sort confectioning

OPTIONS

Customized or adjustable multiple grippers; conveyor (basic or accumulation roller version); telescopic lifting axis; image processing; machine signalling lights; safety scanner; OPC UA or Profinet interface; special stainless steel construction