

ROBOTIC PALLETIZERS



WATCH THE VIDEO

COBOTPACK 100 COBOT

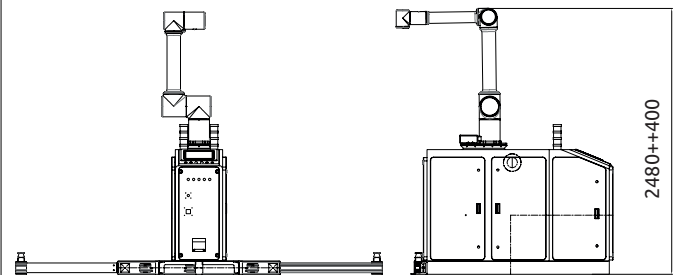
The COBOTPACK 100 palletizing system is a collaborative robotic arm designed to automate the end of the production line. It performs stacking of boxes, bundles, or other packages onto pallets, operating safely alongside operators without requiring protective fencing in most applications. It is an advanced solution that enhances productivity, precision, and safety in the industrial process, with easy integration into existing lines and high flexibility of use.

Advantages of the collaborative Robot

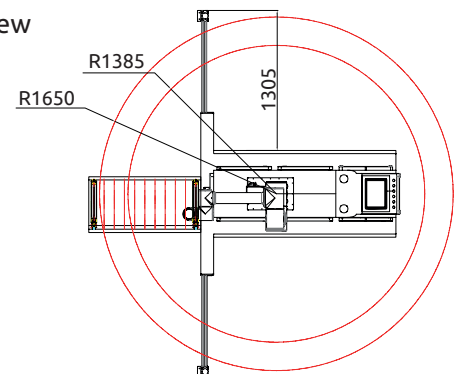
- Safe operation alongside humans without protective cages
- High flexibility and easy reprogramming for different products
- Small installation footprint compared to classic robots
- Reduced errors and increased production rate
- Direct integration into existing production systems

MACHINE DESIGN

■ Side view



■ Top view

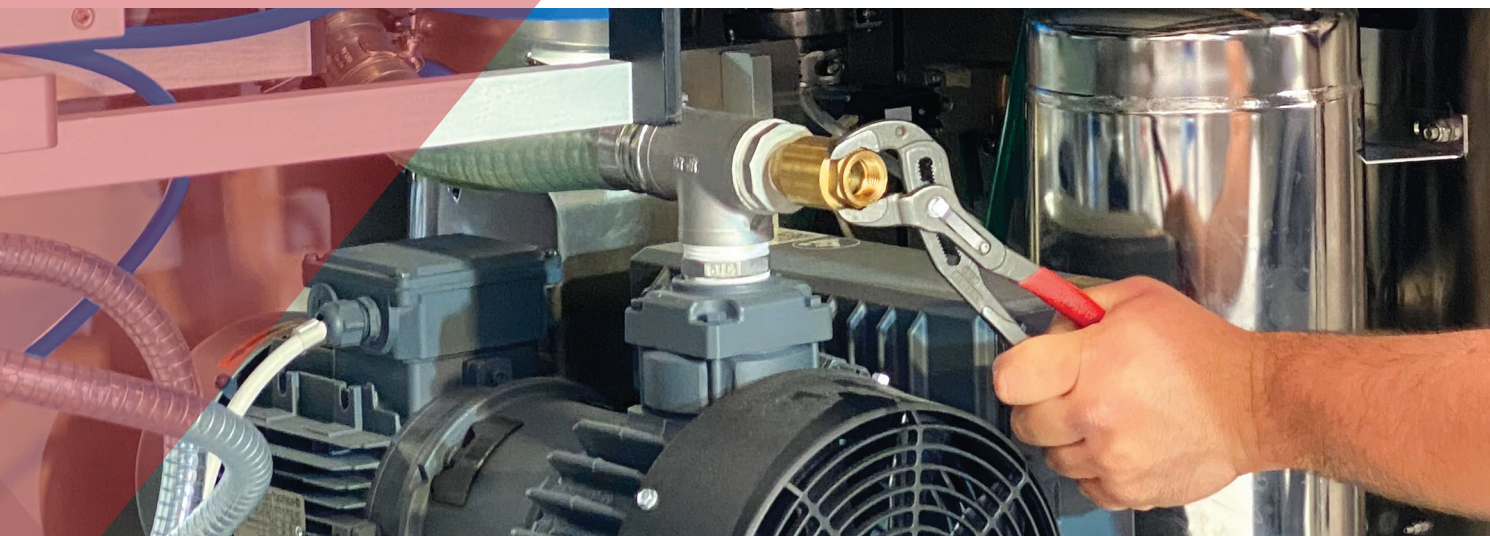




Technical details

HMI	Touch control panel with capacitive touch screen and graphics customization capability
ELECTRICAL SUPPLY AND CONSUMPTION	20V single-phase power supply, 50/60 Hz, Maximum power consumption 2650 Watt
AIR PRESSURE AND CONSUMPTION	Maximum air consumption 380 liters per minute Operating pressure 0.5 to 0.8 MPa
LOAD CAPACITY	Maximum lifting weight 20 kg including the gripping tool
SUCTION AND GRIPPING SYSTEM	Suction cups with sponge option or alternative suction system
PRODUCT DIMENSIONS	■ Length 260 to 500 mm ■ Width 200 to 450 mm ■ Height 150 to 400 mm Possibility of adaptation to other dimensions upon request
PALLET	Maximum size 1000 x 1200 mm
STACKING	Maximum palletizing height 2150 mm including pallet, depending on the stacking pattern Lifting stroke 400 mm
PERFORMANCE	Speed up to 12 boxes per minute depending on the product Movement speed up to 1.2 meters per second
MOVEMENT	Maximum working radius 1650 mm Robot body weight 60 kg Vertical multi-articulated construction 5 axes with possibility of expansion to 6
COMMUNICATION	■ EtherCAT ■ Modbus TCP ■ TCP IP
CONTROL SYSTEM	Touch screen supporting multiple safety signals such as emergency stop and external control interfaces
INDICATORS	Green indicator during normal operation Off when the system is not in operation
SAFETY	Emergency stop and external safety interfaces via I/O Possibility of using fencing or LiDAR sensors as an option Protection rating IP54 for the robot and IP32 for the gripping tool
MACHINE DIMENSIONS	1950 x 1900 x 2300 mm
OPERATING CONDITIONS	Temperature 0 to 45 degrees Celsius
SYSTEM WEIGHT	1500 kg
EQUIPMENT CONFIGURATION	■ PLC KEBA ■ CUSN control panel ■ HCFA servo drives ■ YOUNGSUN suction cups ■ SIEMENS switch ■ PILZ safety relay ■ SCHNEIDER contactors ■ SIEMENS buttons

AFTER SALES



After Sales

Kapelis Packaging provides a set of professional services to its customers to fully meet their requirements, from first contact and installation to machine training and after sales service.

Our technicians possess many years of experience in packaging machines. They participate in continuous training activities both in Greece and abroad, while they are certified by the cooperating manufacturing companies for maintenance and installation of packaging machinery that we offer.



Maintenance and Spare Parts

The company strives to provide immediate and effective solutions, offering comprehensive maintenance contracts that ensure regular checks and proper operation of each machine.

A large stock of spare parts is available in order to repair and restore any breakdown immediately, effectively reducing any lost production time.



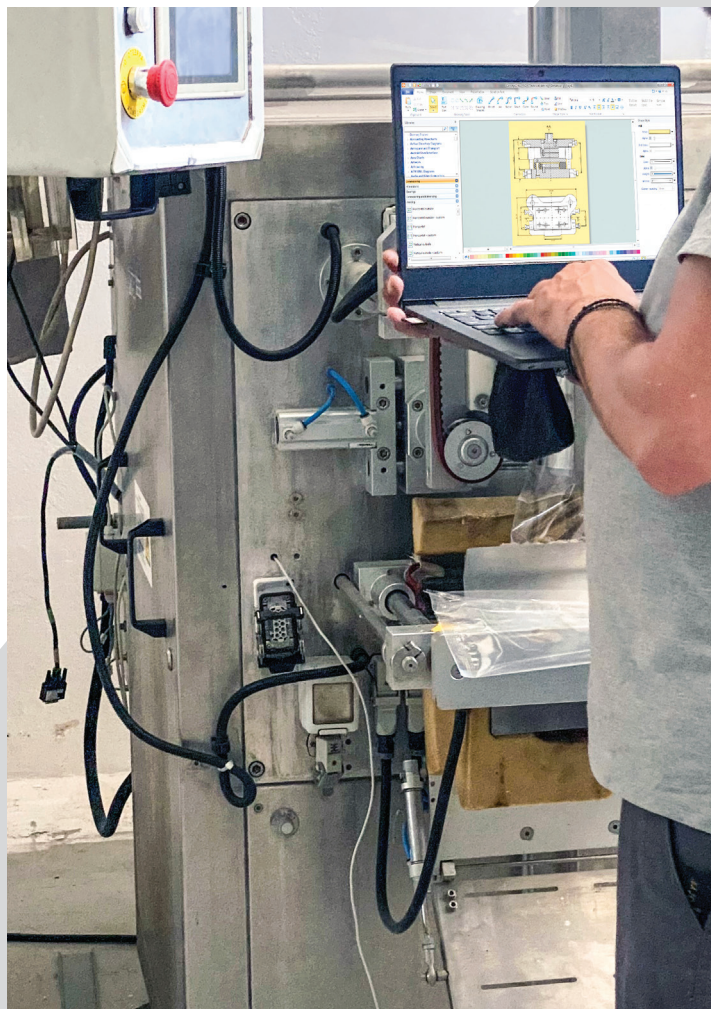
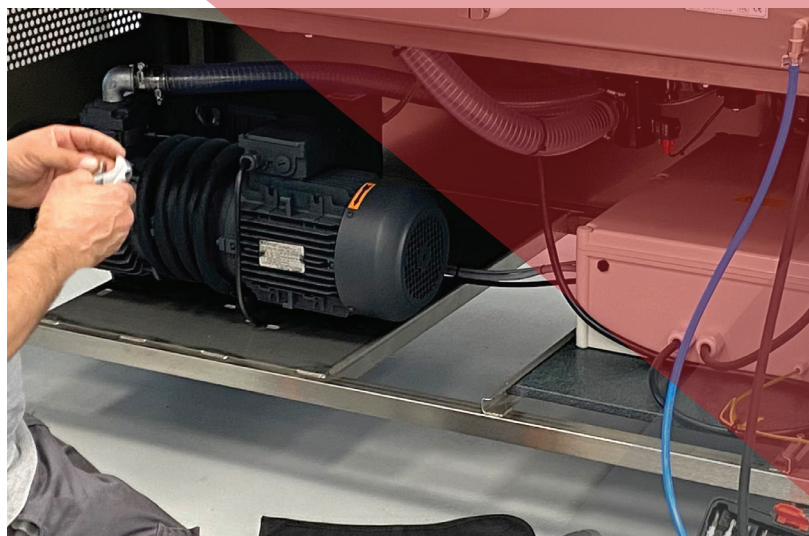
Preventive Maintenance Agreement

As part of its continuous service upgrades and the expansion of its after-sales service, Kapelis Packaging now offers specially tailored machine maintenance contracts in accordance with the manufacturer's specifications.

With customized programs based on your machine's productivity, your products, your site conditions, and your production requirements, the Kapelis Packaging team offers a comprehensive proposal for periodic inspection, preventive, and corrective maintenance of your packaging machine(s), providing multiple benefits and advantages for your production, such as:

- Early detection/prevention of wear and tear, and consequently, avoidance of breakdowns with higher final repair costs.
- Reduced downtime (scheduled maintenance can be carried out at times set by the Production Manager).
- Advance notice of upcoming spare parts replacement costs, with parts kept in stock according to requirements.
- Priority for urgent, unscheduled service calls.
- Assignment and retention of a dedicated Kapelis Packaging technician, ensuring continuity and a complete history for each machine.
- Increased productivity, reaching 100% of the equipment's capabilities.
- Significantly lower cost (up to 35%) compared to standard technician rate lists, along with a discount on spare parts.
- Minimized risk of unexpected breakdowns during production or periods of increased demand, protecting against the risk of missed scheduled product delivery agreements.
- Ongoing training for staff operating the machinery.
- Provision of technological and mechanical support for developing your company's applications and optimizing processes, with the opportunity for supplementary operator training.
- Extended equipment lifespan.

Contact us to build the maintenance plan that fits your needs!



The preventive maintenance contract does not replace the current cleaning and maintenance procedures carried out according to our instructions and those of the manufacturer. It operates in addition to these procedures, offering further assurance of the uninterrupted operation of your equipment and production.



Dedication in Innovation



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