

Series of robotic arms for palletising and depalletising applications



Palletising and depalletising robot

Flexrobot

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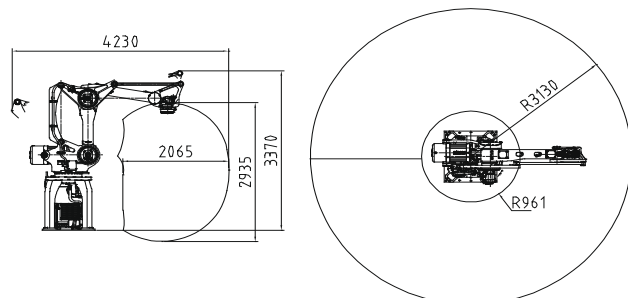
Gripper pick up system with suction cups for cartons.



Hand-held operator panel.



High flexibility with the multipurpose pick-up head.



The robot is optimised for high-speed point-to-point movements, designed to be flexible to the various production procedures involved in depalletising/palletising and unpacking/packing. It has four electronic movement axis with integrated controller, a long working arm with a wide operating field and short cycle times for high performance.

Wide range of pick-up systems

Due to the wide range of pick-up systems possible (Vacuum, mechanical pincer, magnetic or personalised to specific products requirements), many products can be handled such as loosen or shrink wrapped products or entire layers of product.

Ease of programming

Programming is made easy by use of the hand-held key-pad, which has an operating guide similar to that of a Windows environment, this allows total control of the movements allowing rapid changes to be made when new production requirements are needed.

High load capacity

The high load capacity up to 450 kg allows individual or entire layers of product to be moved.

Adaptable modular structure

Designed to be flexible and adaptable to a range of needs with wide circular working environment and small floor space, the robot allows extreme flexibility in system design combined with high precision and reliability.

General technical data

Speed:	up to 12 cycles/min.
Axis:	4
Recom. max. load:	up to 450 kg
Repeatability:	±0,5 mm
Reach:	3130 mm
Max. Power:	~13 kW

TMG Impianti reserves the right to carry out modifications to specifications and designs at any time and without notice

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