



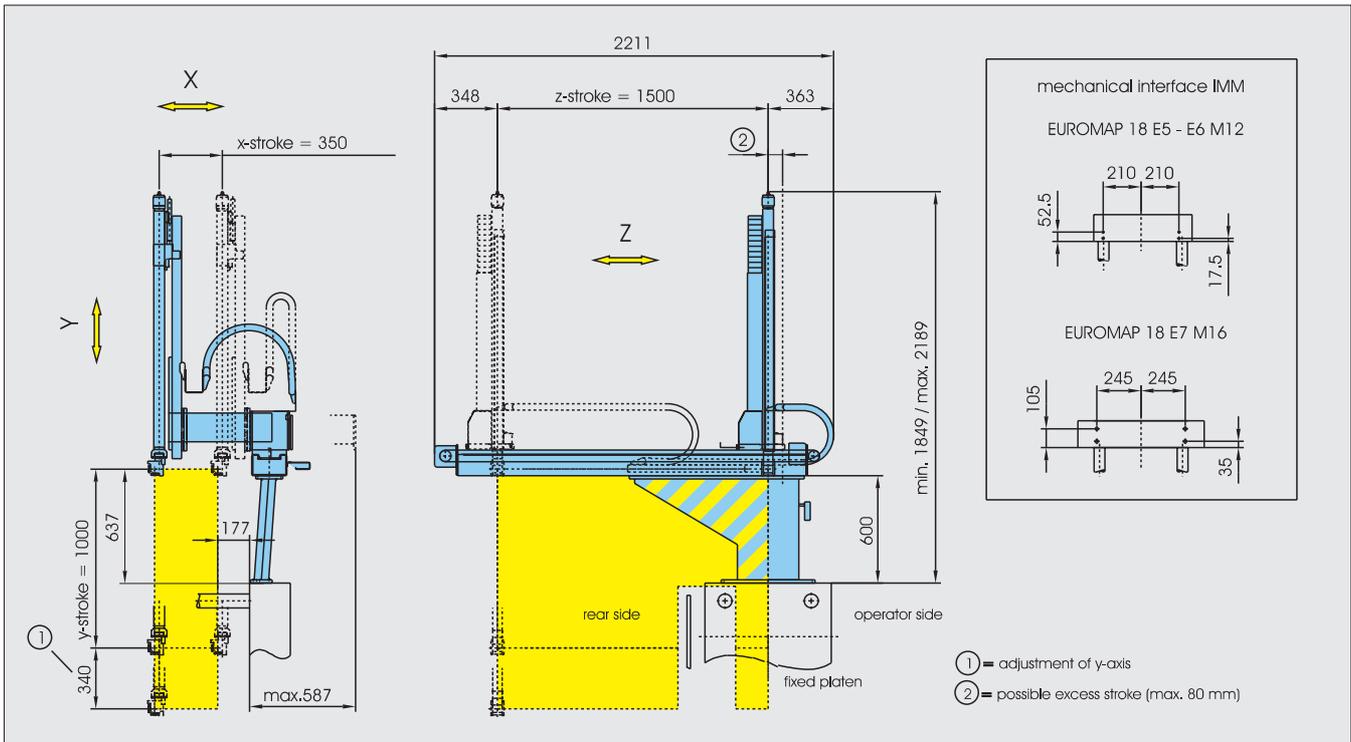
... Handling for Profit



Multi Function

Handling System
Robot Series RX 31

Specification Characteristics RX 31



Model		RX 31
Injection molding machine	tons kN	20 - 275 ¹⁾ 200 - 2500 ¹⁾
Demolding stroke X adjustable	inch mm	0 - 13.8 0 - 350
Vertical stroke Y	inch mm	0 - 39.4 0 - 1000
Adjustment of Y stroke	inch mm	13.4 340
Traverse stroke Z motor-driven	inch mm	59 1500
Tilting axis C degree /torque	Nm	90° / 15
Gripper functions		1 vacuum + 1 compressed air circuit
min. take-out time	s	2.5
min. cycle time	s	8.0
Cycles per minute		7.5
Working pressure (normal / max.)	PSI bar	87/100 6/7.5
max. pay load (6 bar)	lbs kg	6.7 (incl. EOAT) 3 (incl. EOAT)
max. air pressure	PSI bar	135 10
air consumption per cycle without vacuum	CF NI	0.71 20.0
Power supply		230/400 / 110/480 VAC, 60 Hz, 3 A
Weight	lbs kg	approx. 440 approx. 200

The special features of the REMAK handling system RX 31 are:

- REMAK SPS 2000 control. It is possible to teach and/or to program up to 30 sequence programs together with 30 subprograms each with freely selectable names. For each of the 30 sequence programs 4 deposit programs are available. Start / stop function at the end of record is possible, e.g. stop at the end of cycle. Existing programs can be copied and stored under another name. Programming will be done through the hand-held programming system with 3-position dead-man's-switch and key pad, 32 keys with LED, 2x 20-digit LCD display, illuminated with operator guidance. All displays - also error displays - in plain text.
- Molded articles can be removed from fixed or moving half of the mold. For that it is necessary to turn the connection of the tilting axis by 180°. The parts can be dropped either on the operator or non-operator side.
- Z-axis driven by means of servo-motor with length measuring system.
- The RX 31 models feature a standard 90° C tilting axis.
- The RX 31 units offer in standard one vacuum and one compressed air gripper circuit, each with part sensing.
- If the compressed air supply fails, a Y-lock prevents damage of gripper and/or mold.
- Extremely short take-out times guarantee high productivity.
- Adaption to the injection molding machine via the mechanical interface Euromap 18 / SPI 3.0 and the electrical interface Euro-map 12 / SPI 3.0.

Options:

- rotation axis B 90°, alternatively 180°, pneumatic
- stacking axis S 15 mm (0.6 inch), pneumatic
- intermediate stop Y-axis, adjustable, pneumatic
- further mounting adapters = 700/850 mm (27 1/2 / 33 1/2 inch)
- many different EOATs / grippers
- safety guarding
- stepping signal for conveyor (24V)

Subject to technical changes -

¹⁾ if necessary change safety guards

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