



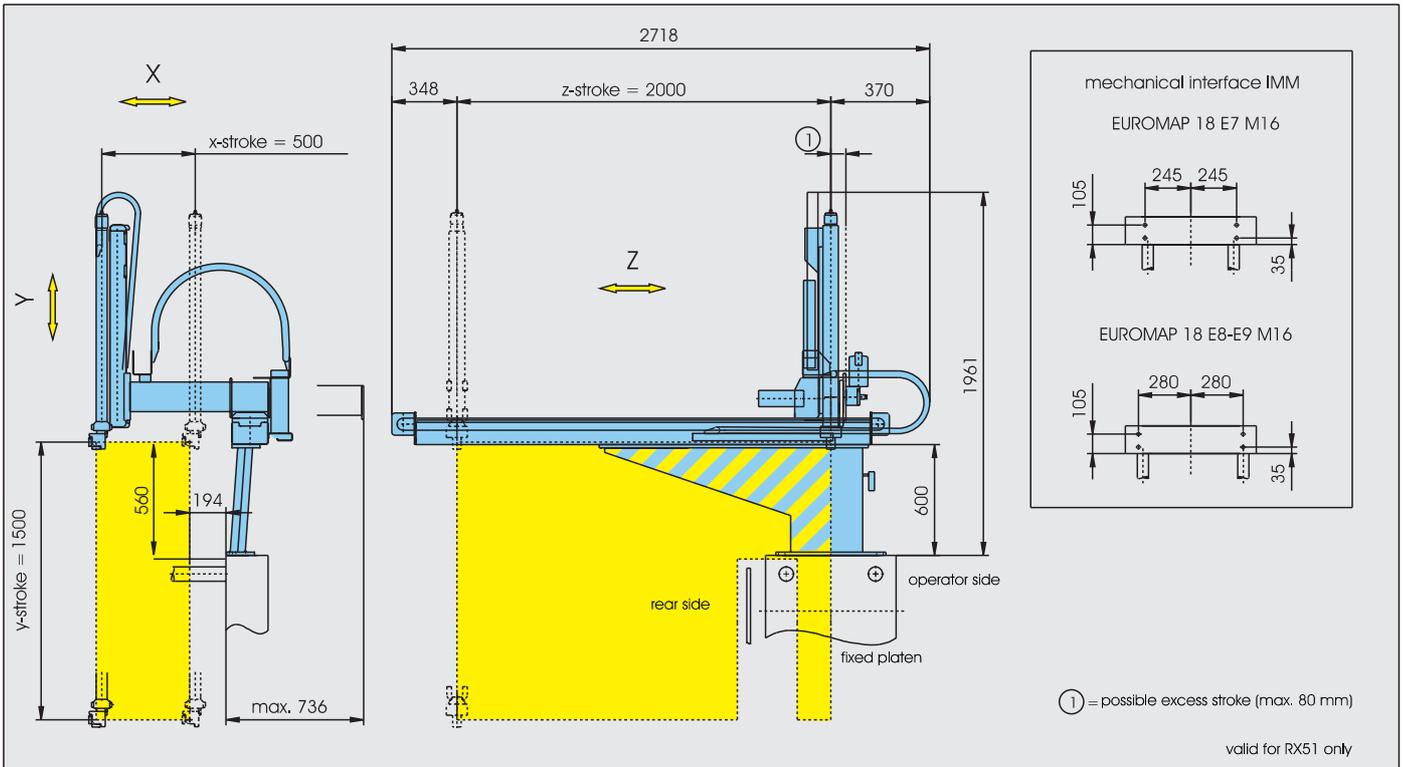
... Handling for Profit



Upper Class

Handling Systems
Robot Series
RX 51 / RX 100

Specification Characteristics RX 51 / RX 100



Model		RX 51	RX100
Injection molding machine	tons kN	88 – 440 ¹⁾ 800 – 4000 ¹⁾	330 – 440 ¹⁾ 3000 - 9000 ¹⁾
Demolding stroke X motor-driven	inch / m/s mm / m/s	19.7 / 1.1 500 / 1.1	39.4 / 1.2 1000 / 1.2
Vertical stroke Y motor-telescope	inch / m/s mm / m/s	59.1 / 3.3 1500 / 3.3	68.9 / 3.0 1750 / 3.0
Traverse stroke Z motor-driven	inch / m/s mm / m/s	78,7 / 2.1 2000 / 2.1	118.1 / 2.0 3000 / 2.0
Tilting axis C	degree/torque Nm	90° / 15	90° / 25
Gripper functions		1 vacuum + 2 compressed air circuits + 2 parts monitoring	
min. take-out time	s	2.0	3.5
min. cycle time	s	12.0	15.0
Cycles per minute		5	4
Working pressure	PSI bar	87/100 6/7,5	
max. pay load (6 bars)	lbs kg	11 – 22 (incl. EOAT) 5 – 10 (incl. EOAT)	22 – 44 (incl. EOAT) 10 – 20 (incl. EOAT)
max. air pressure	PSI bar	135 10	
air consumption per cycle without vacuum	CF NI	0.42 12.0	0.71 20.0
Power supply		230/400 / 110/480 VAC, 60 Hz, 16 A	
Weight	lbs kg	approx. 660 approx. 300	approx. 3300 approx. 1500

The special features of the REMAK handling system RX 51 / RX 100 are:

1. REMAK SPS 2000 control. It is possible to teach and/or to program up to 30 sequence programs together with 30 sub-programs each with freely selectable names. For each of the 30 sequence programs 4 palletizing programs are available. In every palletizing program the parameters can be freely defined, to realize different pattern for parts release. 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, 16-lines LCD display, illuminated with operator guidance. All displays - also error displays - in plain text.
2. 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.
3. The linear axes are driven by means of servo-motor / AC motors (RX51 / RX100) with length measuring system.
4. Extremely short take-out times - due to simultaneous movement of up to 3 axes - guarantee high productivity.
5. The RX 51 / RX100 models feature a standard 90° C tilting axis.
6. The RX 51 / RX100 units offer in standard one vacuum and two compressed air gripper circuits, each with part sensing.
7. Adaption to the injection molding machine via the mechanical interface Euromap 18 / SPI 3.0 and the electrical interface Euromap 12 / SPI 3.0.

Options:

- rotation axis B 90°, alternatively 180°, pneumatic
- stacking axis S15 / S20 mm / 0.6 / 0.8 inch (RX51 / RX100), pneumatic
- automatic gripper-coupling
- many different EOATs
- safety guarding
- stepping signal for conveyor (24V)
- electrically controlled multi-position lubrication system
- additional vacuum / gripper functions

Subject to technical changes -

¹⁾if necessary change safety guards

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