

KraussMaffei

PEOPLE FOR PLASTICS



FOR THE MEDICAL AND PACKAGING SECTOR

SR/SR-S series side entry robots

SIDE ENTRY ROBOT WITH HIGH-SPEED PERFORMANCE

KraussMaffei's SR side entry robots are high-speed manipulators for applications with total cycle times less than 4 seconds. Focused products are thin wall parts and medical parts as well as other fast runner parts.

Technology

Installation of the SR side entry robot can be carried out in two different ways: hanging on a console on the injection molding machine or as an autonomous production cell. High speed demolding of the parts is ensured through the high dynamic movements of the transfer stroke (telescope) and the demolding stroke. Due to the short cycle times, the demolded parts are transferred to a butterfly station by handshake – yet the SR is ready for the next cycle.

Concept

- High performance servo drives actuate an outstanding solid designed low-vibration robot in order to realize exceptionally short cycle- or demolding times
- Customized for clean room applications
- Ideal for production of thin wall parts (IML)
- A clever choice when dealing with restrictions like low hall height

Benefits

- Extremely short cycle times: dry cycle time under 0,4 s
- Major cost savings due to short mold open times
- Versatile - ideal for different tooling concepts: single or stack mold
- Easy to operate with established KraussMaffei control
- Suitable for retrofitting of all prevalent IMM's or
- Complete production cells from a single source: machine, demolding robot and periphery

SR-Versions

Type	SR 80	SR 120
Maximum payload	8 kg*	12 kg*
Axis dimensions	X = 500 mm Z = 2.000 mm	X = 500 mm Z = 2.500 mm
Gripper dimensions (Recommendation)	up to 600 x 800 mm	up to 700 x 1.200 mm
Max. velocity and acceleration	v(Z) = 10 m/s a(Z) = 100 m/s	v(Z) = 8 m/s a(Z) = 80 m/s

* (incl. gripper and part)

Ideal pairings: SR series and IMM

	KM 140 C3	KM 160 CX/EX	KM 180 C3	KM 200 CX	KM 240 EX	KM 250 CX	KM 300 CX	KM 320 C3	KM 350 CX	KM 380 C3	KM 420 CX	KM 450 C3	KM 500 CX	KM 575 CX	KM 600 C3	KM 650 CX	
SR 80	■	■	■					■									Payload 8 kg
SR 120									■	■	■	■	■	■	■	■	Payload 12 kg
Clamp force (kN)	1400	1600	1800	2000	2400	2500	3000	3200	3500	3800	4500	4500	5000	5750	6000	6500	

■ High speed application

Krauss Maffei GmbH

Krauss-Maffei-Straße 2 ... 80997 Munich
Phone +49 89 8899-0 ... Fax +49 89 8899-2206
www.kraussmaffei.com

KraussMaffei is a worldwide premium partner for the plastics and rubber processing industries.