



RX series robots, together with the knowledge of HKTM, sectoral experience and advanced technology, have been designed for plastic injection machines.

**RX12S robot model** has been designed for medium and large machinery tonnages. It has a specially designed double rail vertical axis for high precision applications needed in IML and metal insert applications. Stroke sizes determined according to machine measures allow your machine and robot to work in a compact manner.

**RX series robots can be learned quickly and easily thanks to the software designed with the principle of user friendly.**

## FAST ROBUST COMPATIBLE

**Control Flexibility with Tablet PC**



Control flexibility thanks to the wireless connection that can be integrated with all tablet computers.

A specially designed user-friendly interface that is easy to learn and teach.

**Smart Vibration Control**



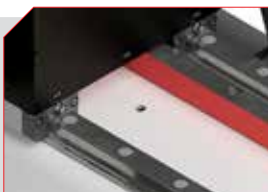
Thanks to positioning speed optimization, vibration caused by external impact is minimized actively.

**Remote Access with Internet Connection**



Possibility of additional training and software version update via remote connection.

**Optimized Drive and Guiding System**



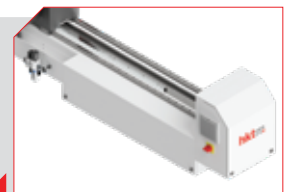
A fast, precise and silent operating motion system thanks to the drive and Guiding system optimized for operating at high speeds and accelerations.

**Fixed X Axis Design**



Thanks to fixed X Axis design, there are no moving parts behind the mounting plate. It provides free space for obstacles such as building beams, platforms, ventilation ducts that may be on the machine

**Integrated Control Panel**



The control panel enables external electrical connections to be made by bus cable and also enables external equipment to be controlled directly. Custom design control panel, which is mounted on traverse axis, saves space in the plant.

# RX12S CNC ROBOT

Thanks to the dynamic servo motors, high precision linear movement components and engineering of Bosch Rexroth, RX series robots are able to keep their pace and positions for each cycle at pick and place, insert placement, IML and quality assurance applications.

Thanks to **Bosch Rexroth's** new generation axis control system **ctrlX, RX series robots** integrate seamlessly and easily into all injection molding machines and applications and complete the machine.

## Compact Design

- Low footprint on machine thanks to the compact design
- Additional free space thanks to the control panel located on main axis

## Lightweight and High Speed Structure

- Reinforced horizontal axes providing high rigidity
- Thanks to special designed double railed aluminium vertical profile, optimized in-out times at IML and insert applications
- High quality servo motors and high precision linear movement components (Bosch Rexroth) for all axles

## Integrated Line Filter

- Standard line filter minimizes the interference by responding to them and makes a more secure process possible.

## Easy Control

- Integration with all injection machines via Euromap interface (12 or 67)
- I/O support for robot arm equipment
- High speed communication with axles via EtherCAT protocol

## User Interface

- 10.4" large screen
- Easy control and maximum efficiency of use with a specially designed user interface



Model	Payload (kg)	Pick and Place X Axis (mm)	Horizontal Stroke Z Axis (mm)	Vertical Stroke Y Axis (mm)	Appropriate Machine Tonnage (ton)
RX12S	12	700 / 900	1950 / 2450 / 2950	1200 / 1400 / 1600	350 - 900