

# Side Robot



Side robot sectoral experience and advanced technology, have been designed for plastic injection machine

Side robot model ensures that the production is optimum and the cycle is serial with standardized stroke lengths and axis speeds for small and medium sized injection machines.

Side robot can be learned quickly and easily thanks to the software designed with the principle of user friendly

## Control Flexibility with Tablet PC

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

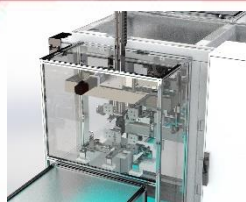
## Smart Vibration Control

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

## Integrated Control Panel

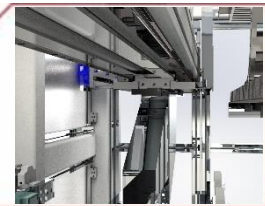
The control panel enables external electrical connections to be made by bus cable and also enables external equipment to be controlled directly. Custom design control panel, which is mounted on traverse axis, saves space in the plant.

## Optimize Drive and Guiding



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



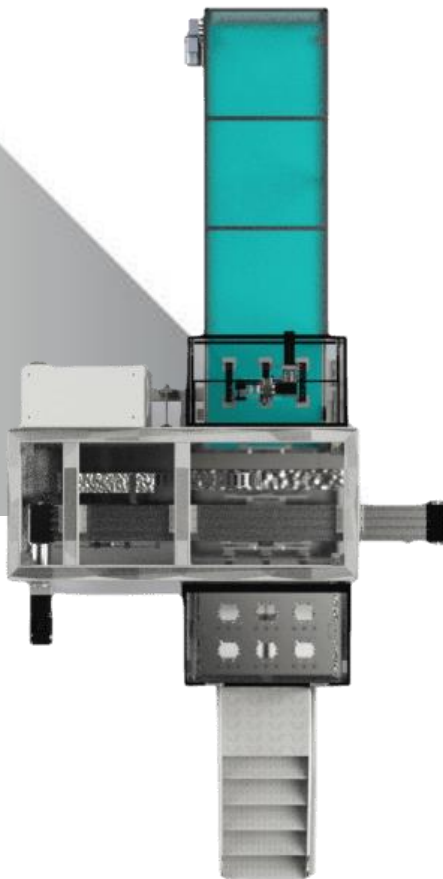
Thanks to fixed X Axis design, there are no moving parts behind the mounting plate. It provides free space for obstacles such as building beams, platforms, ventilation ducts that may be on the machine

# Usage Flexibility and Robust Mechanical Design for Plastic Injection Machines

## TER – ET 40 ROBOT

Thanks to the dynamic servo motors, high precision linear **movement components and engineering of Bosch Rexroth**, Side robot 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 ctrl x, Side robot 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 aluminum 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.

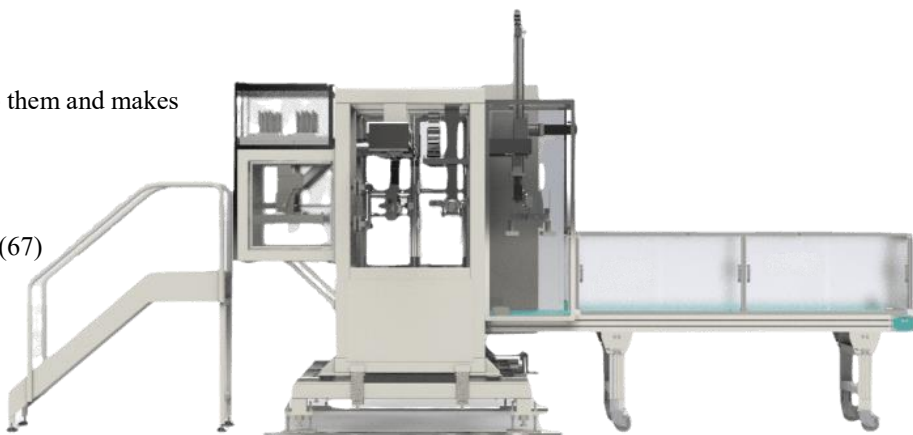
### Easy Control

- Integration with all injection machines via Euro map interface (67)
- I/O support for robot arm equipment
- High speed communication with axles via

Ether CAT protocol

### User Interface

- 10.4" large screen



| Model      | Payload (kg) | Pick and Place X-axis (mm) | Horizontal stroke Z-axis (mm) | Vertical stroke Y-axis (mm) | Appropriates machine tinge (ton) |
|------------|--------------|----------------------------|-------------------------------|-----------------------------|----------------------------------|
| Side robot |              |                            |                               |                             |                                  |