Wide range access

Accessible range between FQPs: 2.7 m horizontally and 1.6 m vertically without requiring Y-axis track.

This unit accommodates various device layouts due to its range of 2.7 m horizontally and 1.6 m vertically.

A single robot can access from 4 FQPs to a maximum of 8 FQPs.

Elimination of Y-axis track improves reliability

Conventional type: Requires Y-axis track and cable carriers, reducing the risk of disconnection.

UTM-R3700F: No Y-axis track or cable carriers are needed.

Contributes to high-speed operation

- Edge clamp E/I: 220 WPH
- Vacuum E/I: 320 WPH
- Vacuum E/I without aligner: 450 WPH *

Note: With FQP = Aligner → Stage → FQP operation.

- Reduces takt time and improves equipment throughput.

Multifunctional controller

- Function 1: Quick-draw/stacking function reduces takt time. Two coordinated motions reduce the takt time.
- Function 2: Supports most common fieldbus technologies. Accommodates DeviceNet, EtherCAT, OPC-UA, and others.
- Function 3: Variable-speed function reduces risk of collision. The speed of the robot can be changed during block operation while teaching, reducing the collision risk of the robot.
- Function 4: Operation log facilitates troubleshooting. The operation log provides data that contributes to faster and easier troubleshooting.

Teaching Pendant provides extensive programming functions for simpler teaching process

- Large 5.7-inch touch panel for easier teaching.
- Change position with one touch for reduced teaching time.
- The touch panel performs seamlessly even through rubber gloves.
- A USB port is included for expanded data storage. Teaching data and other information can easily be shared and reviewed.

Can be installed in a confined area

- Robot rotation diameter: Approx. 1000 mm
- UTM-R3700F: 520 mm

The compact rotation diameter contributes to increased equipment design.

Optimized equipment space efficiency

The reduced size of the equipment results in overall reduced material costs.

Optimized equipment space efficiency