

MRT Series

**Compact handling solutions –
flexible and easy**



Space saving and and flexible installation method



Small footprint of only 1200 x 1800 mm



Wide range of handling tasks

Handling syringes on a minimal footprint

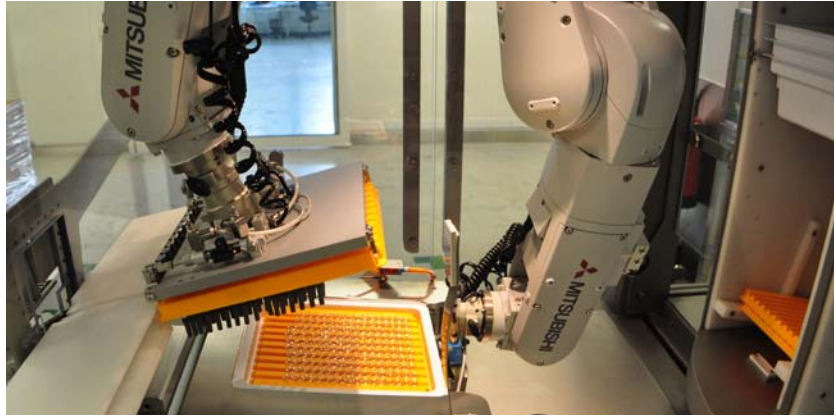
The flexible all-rounder

Mitsubishi Electric presents the world's first handling concept for supplying ready-to-use syringes to an end-of-line packing system. The solution concept is exceptionally compact and extremely fast with a processing rate of up to 600 syringes per minute. It is also so flexible that easy switching between different syringes and syringe carrier formats is possible and a wide range of handling tasks can be performed quickly and easily.

The handling solution supplies disposable syringes to the packing process quickly and flexibly via a rail system. It comprises two modular robot cells so-called MRTs (modular robot technology). In one cell, two precisely coordinated Mitsubishi Electric MELFA robots look after the whole process of handling tubs and syringe carriers as well as the different syringe formats ranging from 0.5 to 10 millilitres. To do this, they have a suitable conversion option. The second cell contains a rotary magazine tower which supplies up to 20 tubs filled with syringe carriers to the packing system.

The tower is used to reload the robot cell while the process is in operation, thereby reducing idle time to a minimum.

The MRT concept comprises a complete set of components and solutions which can be assembled specifically to suit all requirements.



Two RV-4FL series robots in one cell can index 600 syringes per minute



Measuring just 1.0 by 1.3 metres, the MRT basic module occupies a space slightly smaller than a europallet and is 2.20 metres high.

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