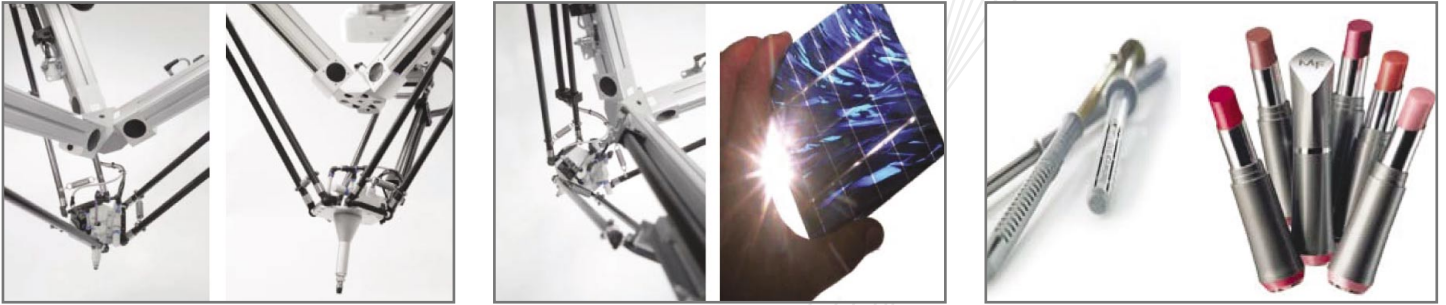


Tripod EXPT Robot

3D HIGH SPEED PICK & PLACE



Fast pick and place to move low masses within the working space, together with optimized motor-controller-combination and precise motion control.

Features

- 4 sizes(45, 70, 95, 120)
- Simple and stiff design
- Low moving dead weight
- High dynamical performance
- Standard components provide simple and fast maintenance
- Compact design, 50% space saving compared with standard machines

Applications

- Pick & Place of small pieces
- glueing
- labeling
- pallet application
- sorting
- grouping
- transferring
- separating

Benefits

- Cycle times 2-3 times faster than with cartesian Pick & Place systems
- Simple and well arranged design allows easy setup and operation
- Single source supply for mechanics and control.



Technical data

Performance

Max. acceleration 100 m/s²
 Max. velocity 4,5 m/s
 Repeat accuracy* +/-0,1 mm
 Absolute accuracy* 0,5 mm
 Path accuracy (at max 0,3 m/s) 1 mm
 Payload at max. acc. und velocity 1 kg
 Max. Payload 5 kg
 *depends on size and load work

Environment

Temperature range -10°C...50°C
 Protection class IP40

Path control

3 bis 6- axes-robotic control CMXR

Drive packet

3x Servo motor type EMMS-100-S
 3x 5A servo controller CMMP-AS

Mechanics

EXPT 45 and 70: 3x DGE-25-ZR
 roller guided axis
 EXPT 95 and 120: 3x EGC-80-ZR
 linear guided axis

Typical cycle time
 (12" cycle) Conditions
 Without gripping times
 No conveyor tracking

