

engineering innovations
worldwide



precise
positioning +
controlled
mobility

eos cart
final test cart

esmo
semicon

smart solution for dedicated DUT-up docking

The eos cart is a dedicated final test manipulator for precise and space-saving DUT-up docking. Its guided linear and rotary adjustments support controlled alignment of the test setup.

The cart moves in a similar way to a human joint: several defined directions of movement work together to enable flexible alignment. Unlike a biological joint, its movements are mechanically guided and limited.

key features

- cost-effective solution for dedicated DUT-up docking
- designed for a minimum footprint
- tactile vertical drive
- optional power-assisted vertical drive
- vertical travel of 250 mm
- lateral adjustment in the y-direction of ± 15 mm
- defined rotary adjustments for tumble, twist and theta
- load capacity of 400 kg

specifications

- **linear drive:**

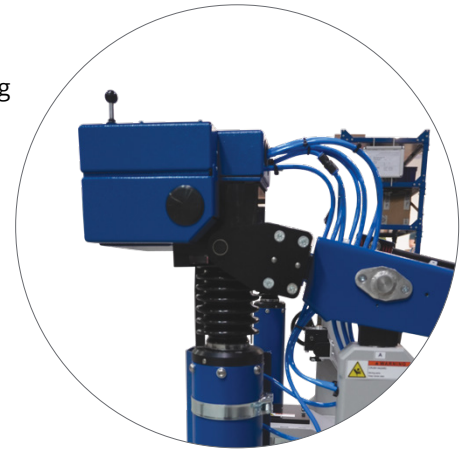
vertical travel (z-axis)	250 mm (9.8")
side to side (x-axis)	± 15 mm (± 0.6 ")
- **rotation:**

tumble	$90^\circ \pm 3^\circ$
twist (by spring system)	$\pm 3^\circ$
theta	$\pm 3^\circ$
- **weight:**

load capacity	400 kg / 882 lbs
system weight unloaded	275 kg / 606 lbs
system weight loaded	675 kg / 1,488 lbs

system configuration basing on actually required load capacity

- **options**
power-assisted vertical drive



esmo Europe Rosenheim

esmo AG
Brueckenstrasse 1
83022 Rosenheim
Germany

P +49 (8031) 233 88 0
F +49 (8031) 233 88 10

sales@esmo-ag.com

esmo USA California

esmo USA Corp.
1020 Winding Creek Road
Suite #120
Roseville | CA 95678
USA

P +1 (916) 307 6345
F +1 (916) 307 6341

sales@esmo-usa.com

esmo Asia Singapore

esmo Asia Pte. Ltd.
15 Tai Seng Drive
#01-02
Singapore 535220
Singapore

P +65 (656) 288 57
F +65 (656) 288 60

sales@esmo-asia.com

esmo China Shanghai

esmo Asia North Co. Ltd.
Building 5-6 N. 388 Xin Run Rd.
Xin Qiao Industrial Zone
Song Jiang District
201612 Shanghai · China

P +86 (21) 5768 7228 + ex. 201
F +86 (21) 5768 7132

info@esmo-ag.com.cn

esmo Taiwan Zhubei

esmo TW Ltd. Co.
9F-1, No. 3,
Huanke 1st Rd.
Zhubei City, Hsinchu County
302047 Taiwan (R.O.C.)

M +886 932-290-662
M +886-988-313-705

sales@esmo-asia.com