

phoenix cart
mobile manipulator

key features

dedicated, mobile final test manipulator

cost-effective solution for DUT up + DUT vertical docking

mobile design offering maximum flexibility + space saving

manually operated

ideal position guaranteed by specialized, automatic spring system

floating test head mounting providing for compensation of angle/position deviations

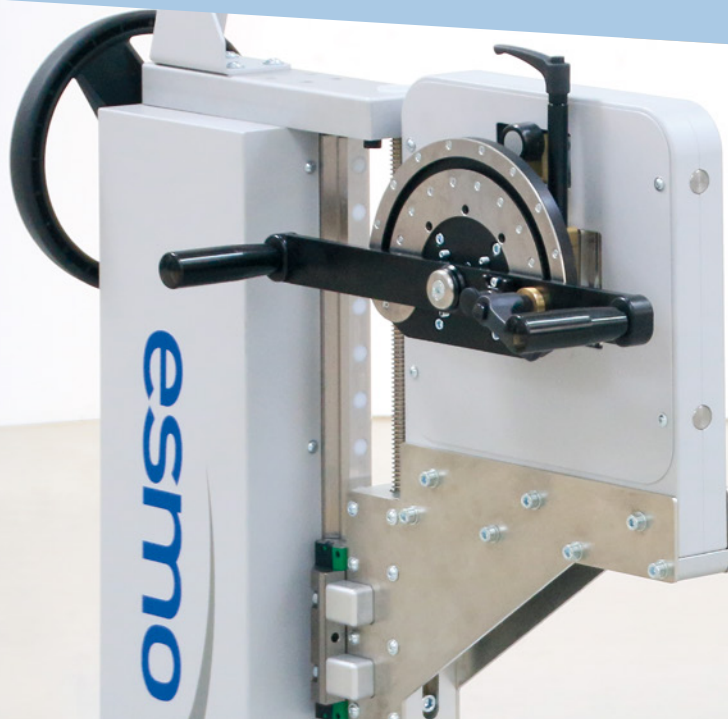
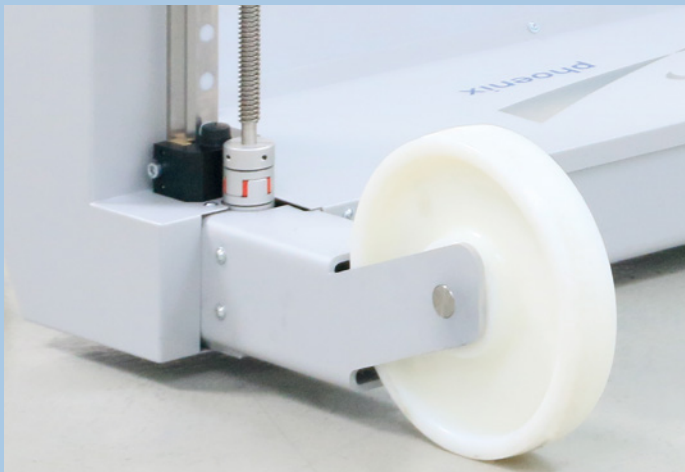
simple + safe transport of heavy test heads – up to 250 kg (550 lbs) load capacity /
system configuration basing on actually required load capacity

ergonomic + effort-saving motion sequences

easy handling to ensure shortest change intervals

180° tumble feature with docking plate

smart
solution
for test head
transport +
handling



esmo

specifications

linear drive

vertical travel (z-axis) 500 mm (19.7")
side-to-side (y-axis) ± 15 mm (0.6")

rotation

tumble 180° ± 3°
twist/rotation ± 3°
theta adjustment ± 3°

compatible systems (samples)

test heads

Eagle
Teradyne
Advantest
Cohu
Chroma
National Instruments

handlers

esmo talos (device handling system)
Delta
Multitest
Synax
Rasco
Seiko Epson
Advantest

weights + dimensions

weights

load capacity 250 kg (550 lbs) –
system configuration basing on
actually required load capacity
system weight 275 kg (606 lbs)

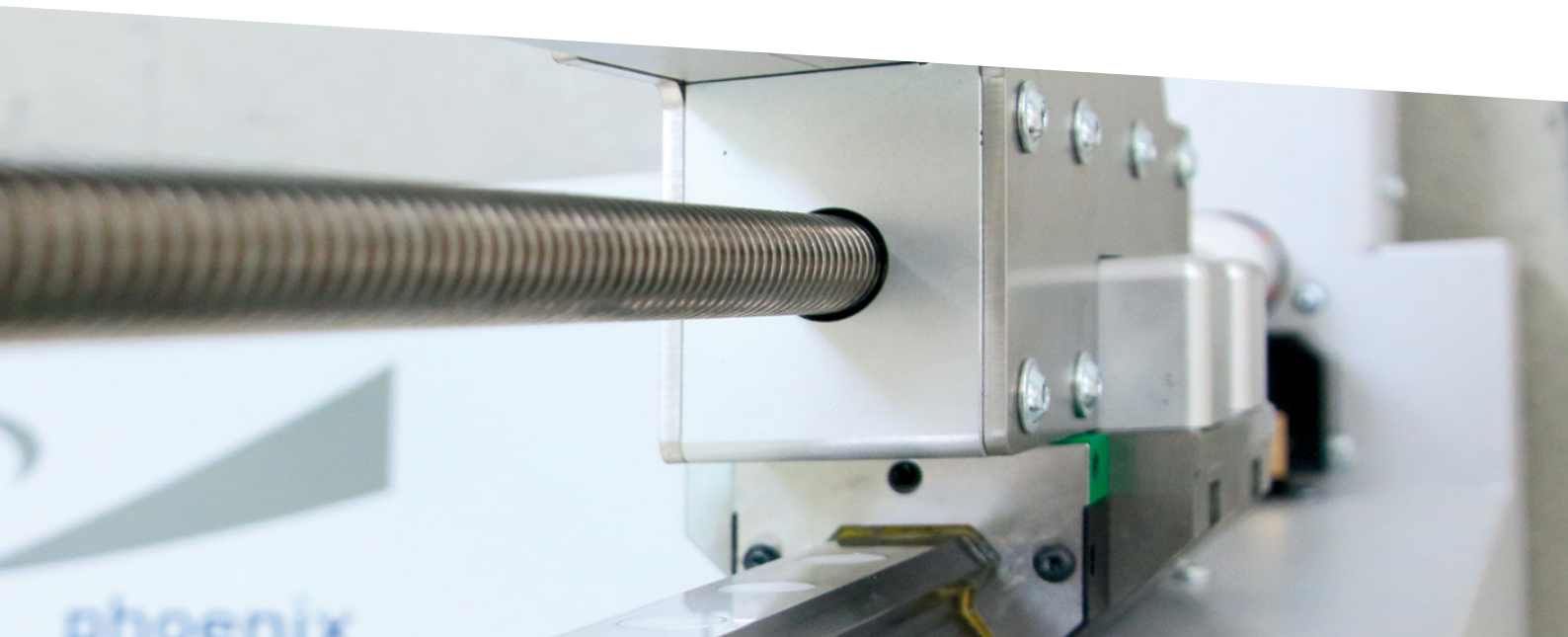
dimensions

length 1,019 mm (40.1")
width 1,288 mm (50.7")
height 1,071 mm (42.2")

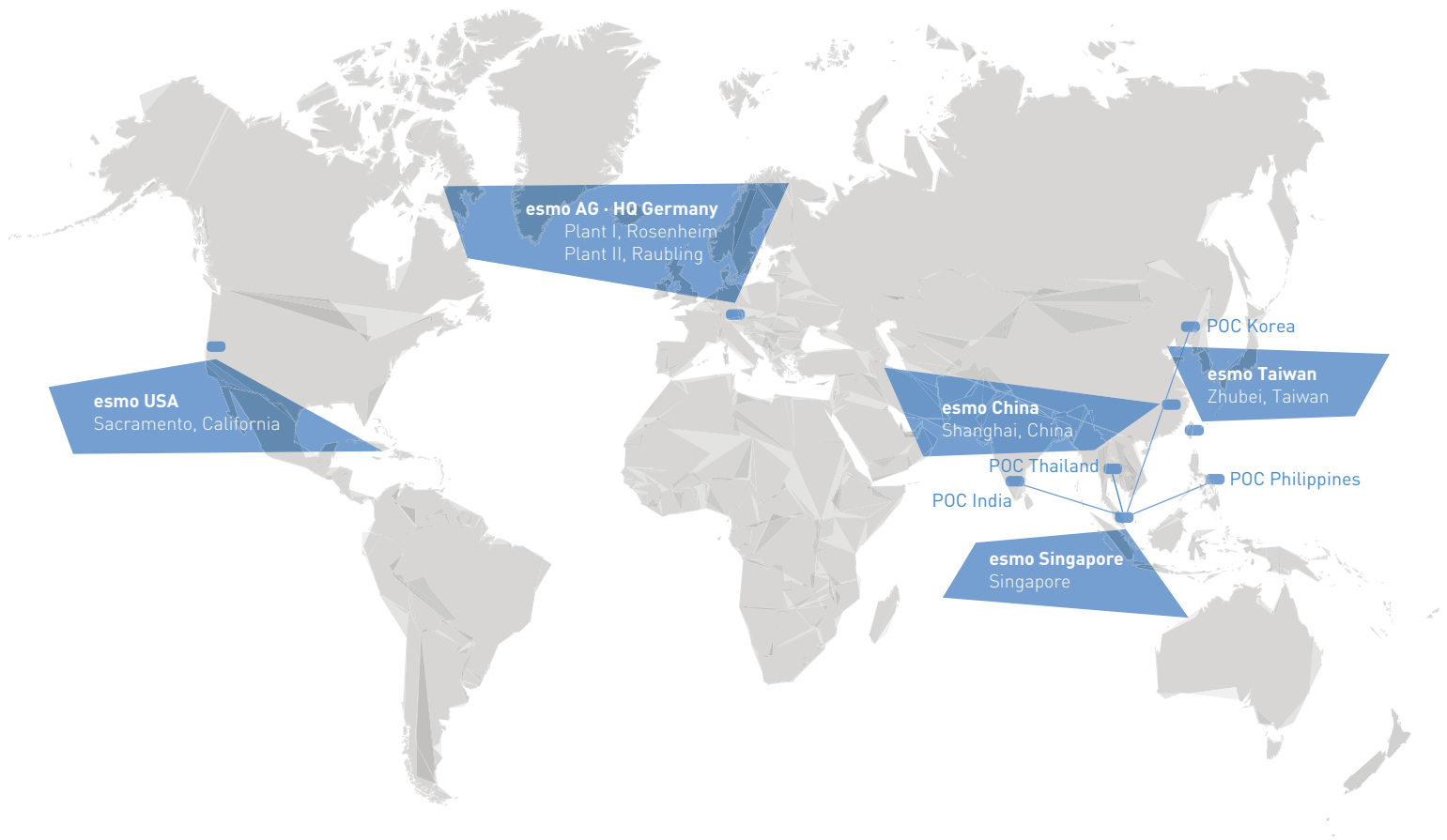
options

suitable position tumble unit + hand wheel (z-drive)
ergo desk
z-axis motor drive

For any other
test heads/handlers,
please contact the
esmo semicon team
to verify compatibility.



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