

measuring/testing
systems

for high quality +
performance demands

esmo semicon measuring + testing systems excellent time/cost/performance ratio highest reliability for your convenience

All esmo semicon measuring and testing solutions are available with standardized features for integration in all esmo semicon pogo towers.

Based on a thorough determination and definition of requirements in cooperation with our customers, esmo semicon provides comprehensive services:

from the selection of appropriate equipment to completely new designs in order to achieve optimized and highly efficient test cells.

your benefits

specialized solutions for quick and reliable troubleshooting

intuitive and easy tool handling and operation

high-precision measuring/test results

including software (results displayed in graphics window)

secure data transfer via USB connection plus real-time data transfer

transport/storage case (flight case) for all 3 solutions (as standard)

get the esmo package deal

smart design – high quality production – state-of-the-art products – virtually maintenance-free

quick return on investment – reduced set-up times – increased test yields – long-term value

exceptionally short design and lead times plus customized installation/training services

specialized and experienced staff providing excellent design and technical support

state-of-the-art solutions for each designated purpose

key features

quick, easy,
reliable

measuring the contact resistance of contact pins, which are already mounted in blocks, between PIB (prober interface board) and probe card

measuring/checking the quality of the contact pins used

100% reliability of measuring methods/data results, independent of supplier information – “double-check to make sure”

easy use and application

software runs on conventional Windows PC – measuring results will be displayed in a graphics window

export of measuring results to Excel file

may be used with esmo standard combo 350 and FLEX pogo blocks – other pogo block options upon request

4-wire resistance measurement

pads on both PCBs with galvanic hard gold plated finishing of 50 μm [min] to provide for robust and durable coating, qualifying for high numbers of contacting cycles

optional feature

mobile design – simple transfer of measuring unit from workplace to wafer test site



key features

precision
at its best

easy installation in and use with existing test applications

checking x-/y-alignment between pogo tower and boards

four 1.2 megapixel cameras with USB 2.0 connection

screen display of four live camera pictures (with crosshairs) – 2x probe card side / 2x load board side

real-time monitoring of x-/y-setup adjustments – tool stays in place

precise real-time feedback on docking adjustment

USB stick with software included (software runs on conventional Windows PCs)

robust aluminum casing ensuring long product life (chromated surface)

sturdy transport/storage case with foam inlay

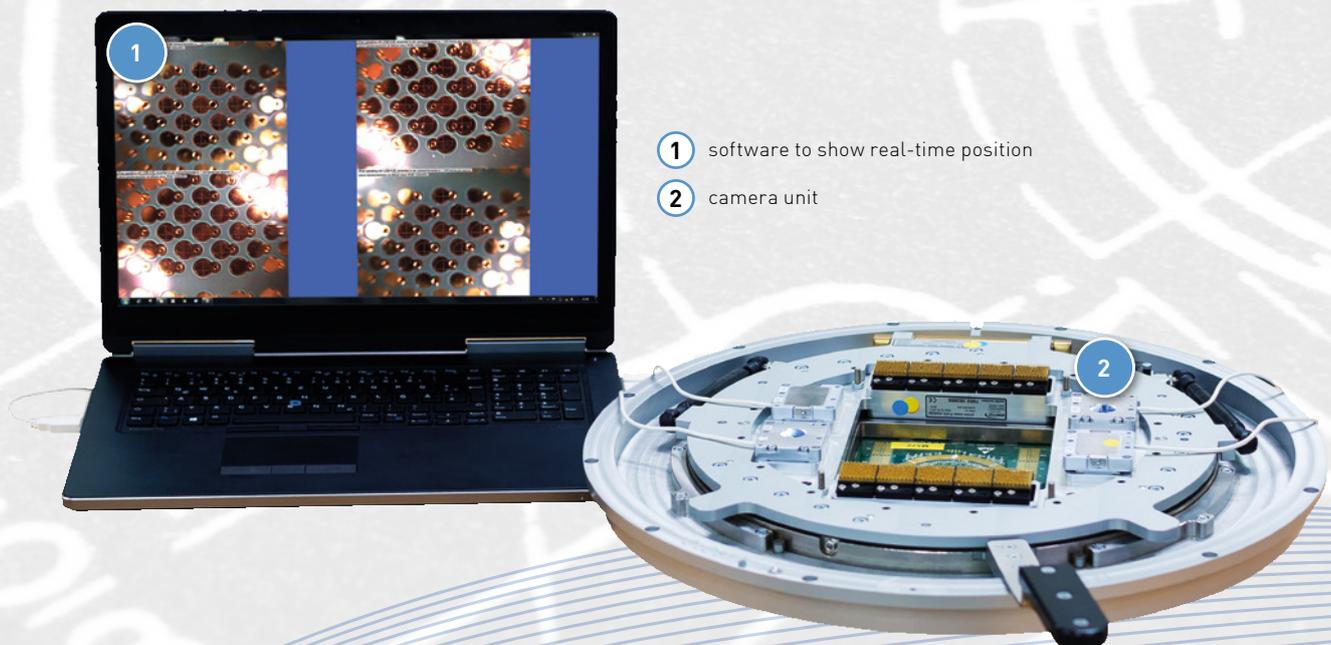
reliable and exact board position measuring while test head is docked – use of imprint indicator tape no longer required

eliminating pogo tower or docking open contacts – facilitated troubleshooting for customer

optional application with esmo standard combo 350 and flex pogo towers – other pogo towers upon request

optional feature

calibration unit for camera unit re-calibration



1 software to show real-time position

2 camera unit

key features



66 mm to 48 mm touch screen display

robust plastic housing

4-distance sensor for diagonal/cross measuring

0.05 mm measuring tolerance

USB connection

measuring results may be saved and transmitted to PC

adaptations for various pogo tower types available

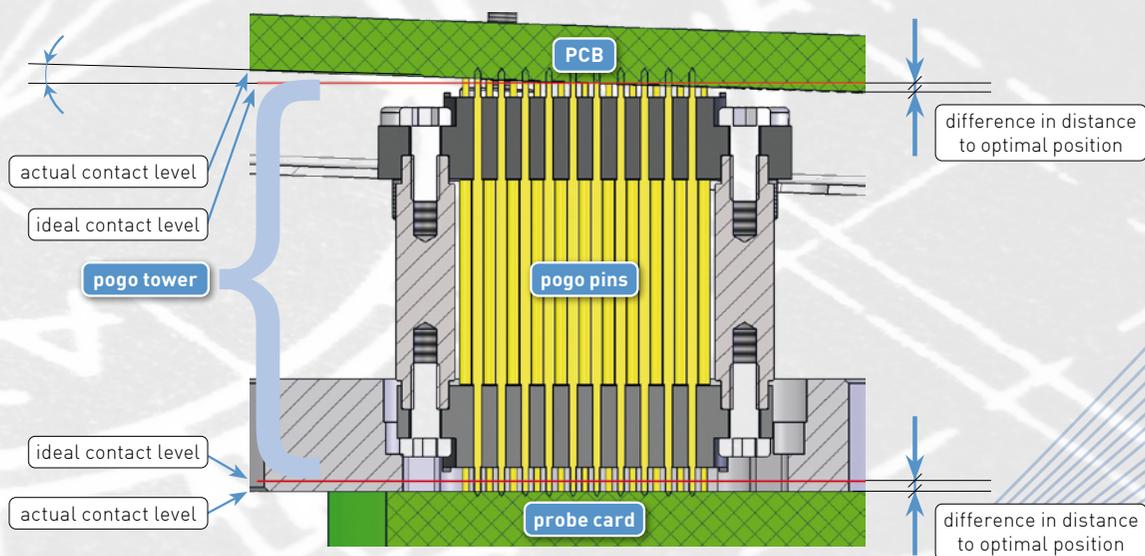
stationary installation in some pogo towers possible

compatibility between various test cells

correct board position measuring while test head is docked – use of plasticine during setup no longer required

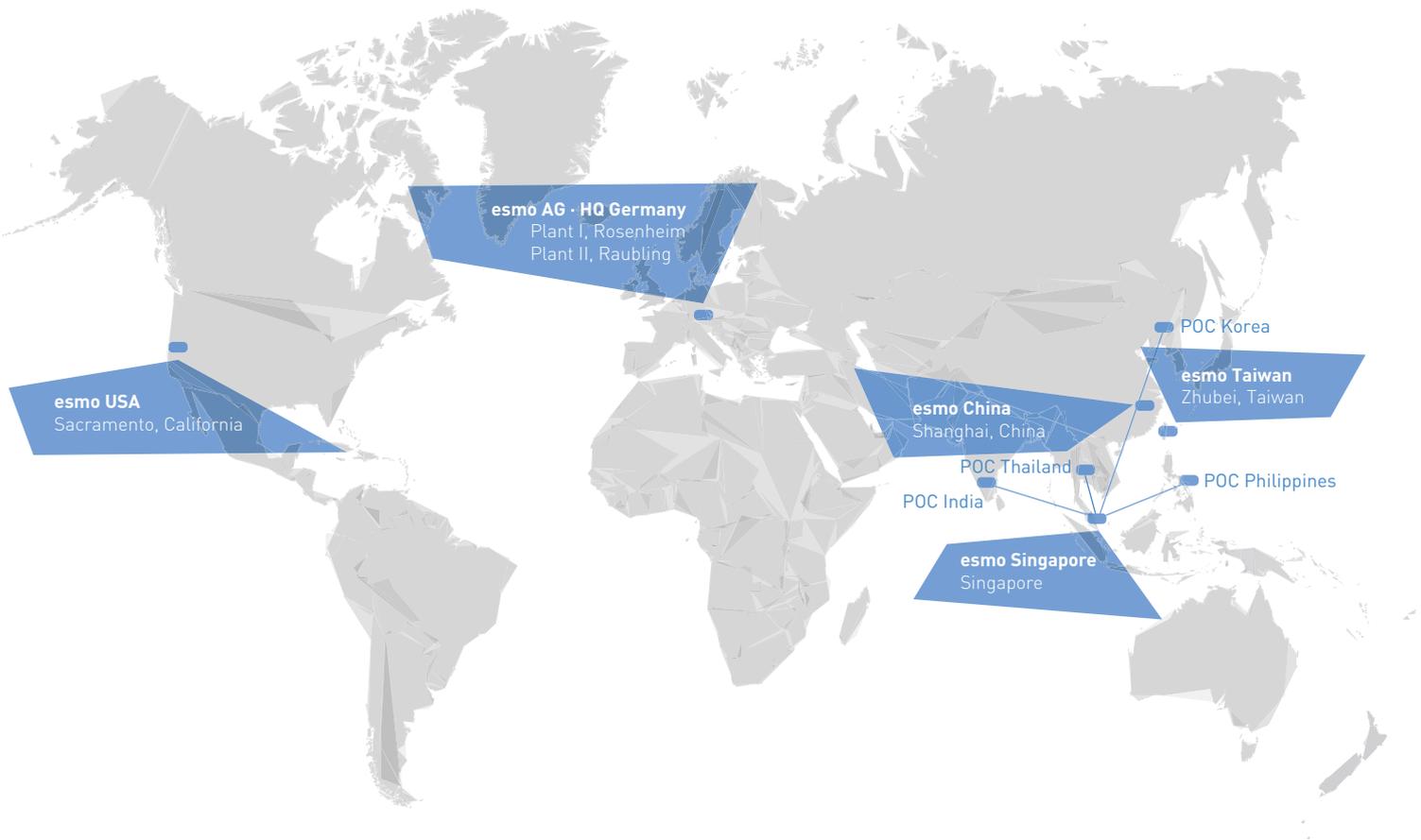
providing precise feedback regarding docking adjustments – works perfectly in combination with the esmo helios dock system

eliminating pogo tower or docking open contacts or increased contact resistance – facilitated troubleshooting for customer



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