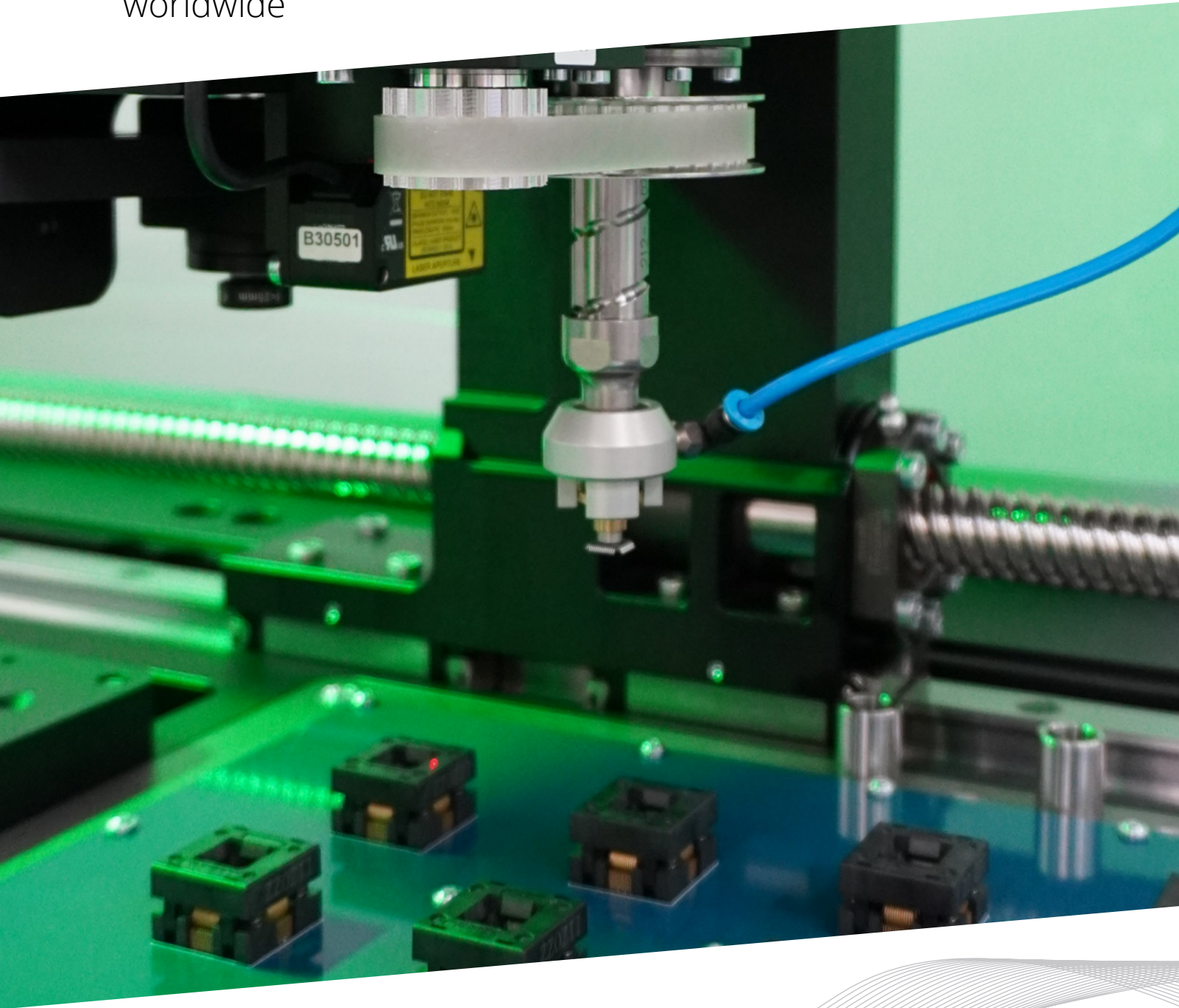


**engineering** innovations  
worldwide



**lykos**  
burn-in-board loading |  
unloading system



**esmo**  
semicon



# lykos BIB loader | unloader

modular device handling system



**small footprint, easily movable:**  
1,115 x 1,749 mm (43.9" x 68.9")

· for reliable burn-in-board loading | unloading  
to avoid manual placement or orientation errors ( $\pm 0.05$  mm accuracy)

· device range from 1.0 x 1.0 x 0.4 mm (0.04" x 0.04" x 0.02")  
to 70.0 x 70.0 x 10.0 mm (2.76" x 2.76" x 0.4")

· modular pick & place device handling,  
easily convertible to your specific applications

1

**17.3" vertical HMI**  
with multi-touch capability

2

**4-axis portal robot**  
(x | y | z1 | theta)

3

precentering (free Pin1  
orientation device + socket) +  
**optional vision alignment  
system**

4

**integrated camera system**  
for pick & place position teaching

5

transparent  
front hatch cover

6

**BIB with sockets**  
or other customized units



## top priority: highest quality of burn-in process

In the semiconductor industry, the burn-in process plays a vital role in subjecting semiconductor components to rigorous temperature stress testing. To facilitate this procedure effectively, a burn-in-board (BIB) loading system becomes essential.

When it comes to ensuring top-quality performance, esmo's lykos BIB loader/unloader offers a range of benefits:

### **1. Elimination of Human Error:**

- + exclusion of human error in device placement within the BIB
- + accurate orientation of Device PIN 1 in BIB
- + prevention of device damage during BIB insertion
- + optional opportunity to test contact sites for continuity

### **2. Handling of Devices Down to 1 x 1 mm:**

- + efficient handling of devices as small as 1 x 1 mm

### **3. Resource Optimization:**

- + avoidance of wasted resources caused by incorrect device insertion

### **4. Fully Automated Loading of Open Top Sockets (OTS):**

- + streamlined and automated loading process for open top sockets

### **5. Automated Loading of Clamp Shell Sockets:**

- + possibility of automated loading for clamp shell sockets

We prioritize quality in every aspect of our operations, and the lykos BIB loader/unloader is designed to deliver exceptional performance. Experience the convenience and reliability it offers today.

For more information or to discuss your specific requirements, please don't hesitate to contact us.

||| z1 picker with laser distance sensor plus optional available camera





## handling key features

highly accurate and reliable 4-axis portal  
pick-and-place robot system ( $\pm 0.05$  mm accuracy)

high MTBF values, low maintenance efforts

free PIN1 orientation

17.3" vertical HMI with multi-touch capability

integrated camera system for pick-and-place position teaching

customized tester communication, interfaces and functionalities possible

remote control via Ethernet

modular machine configurations and options  
as per specific/individual customer requirements

flexible BIB clamping for different sizes

easily moveable, even by one person

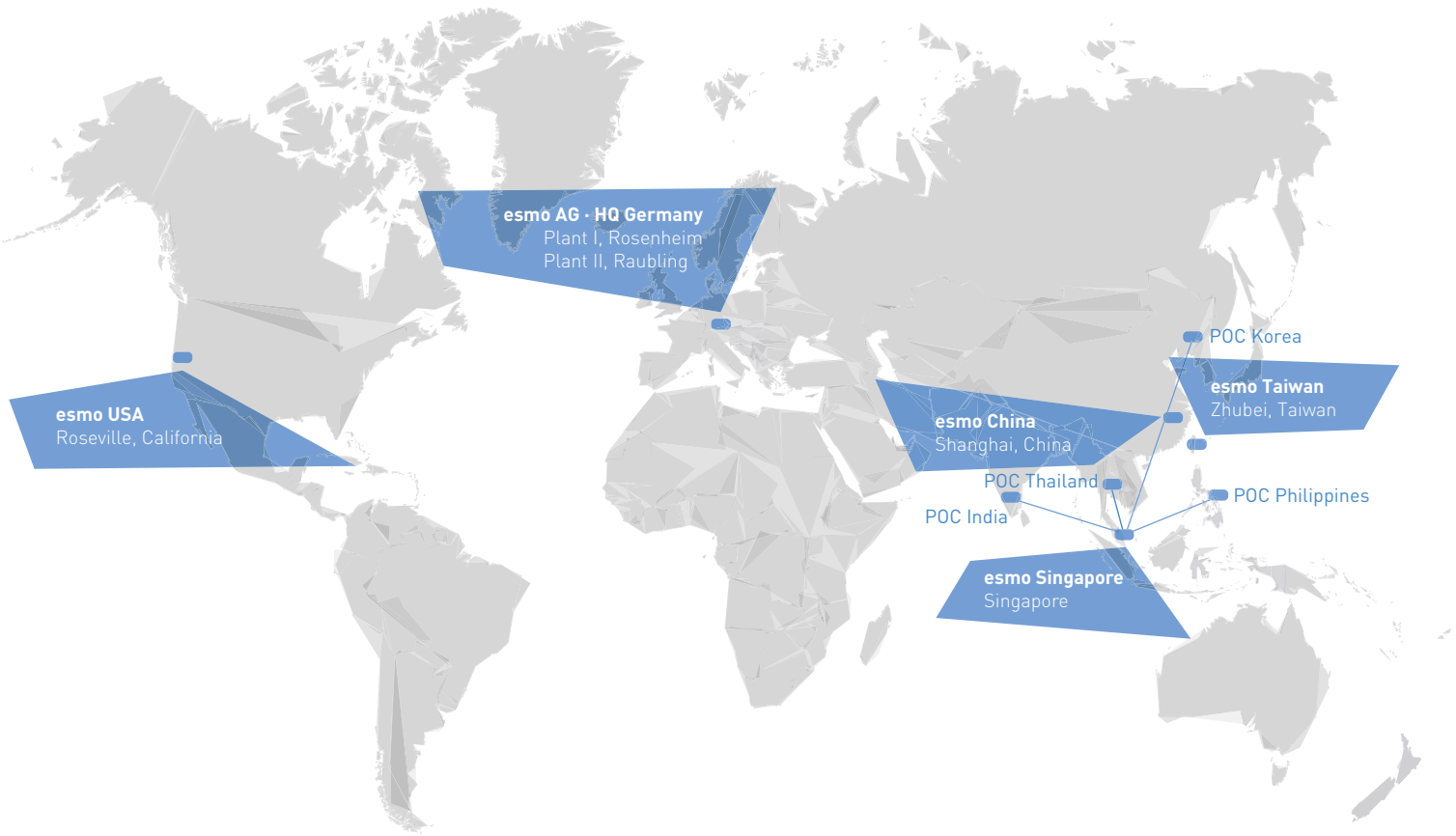
cost-efficient and easy-to-use conversion kits for different devices

conversion time (incl. BIB change) less than 3 minutes

easy to control –  
via touch screen (17.3") or mouse



# here for you, wherever you are: worldwide sales + service network



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