

Production

Commissioned contract manufacturing

LASER

Laser marking

(ASYS)

PASTE PRINTER

Soldering paste printer

(JUKI)

SPI

3D soldering
paste inspection

(JUKI)

PICK&PLACE

Two Pick&Place

(JUKI)

AOI

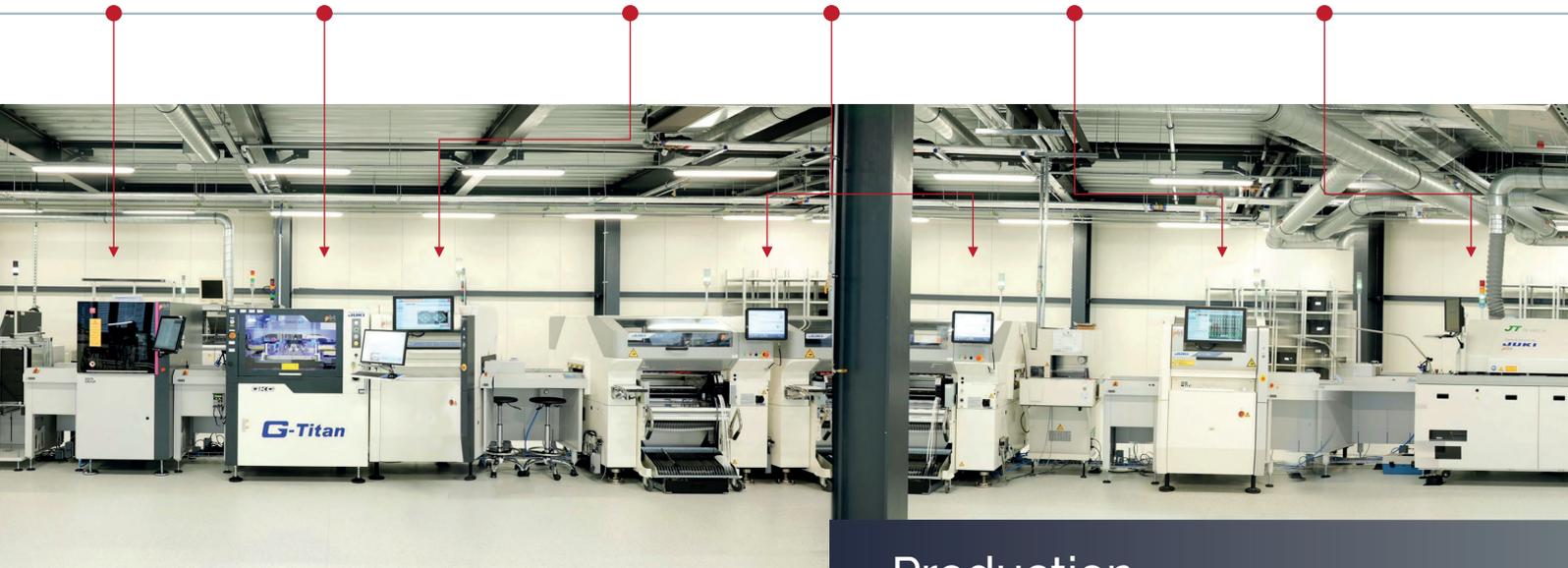
3D optical inspection

(JUKI)

OVEN

Reflow oven

(JUKI)



About the company

ENTE Sp. z o.o. company specializes in the design and manufacture of advanced devices and electronic systems produced in accordance with the Client's request.

One of the primary source of activity, beside own devices and electronic systems production, is a service assemble to the order of electronic circuit boards as part of outsourcing.

ENTE is in possession of three modern assembly lines for electronic circuit in SMD technology. They consist of high-end EKRA and ERSA paste printers with SPI paste imprint quality control, automatic assembly machines pick&place JUKI and 14 zone ERSA furnace. Their main task is medium and large-scale series production of complex circuits of large scale integration and advancement.

Each assembled PCB circuit is subject to optical control AOI, and also to X-RAY in the case of BGA. For regular customers **ENTE** provides brief prototype series on preferential terms.

The **ENTE's** offer also includes manual and automatic assembly of THT components. We have several stations with high-quality soldering equipment WELLER, ERSA and PACE. Traditional and selective ERSA soldering units are used for soldering. The whole production is recorded by a dedicated tracking system, which ensures total control and supervision at each stage of product creation.





Production

Technology

- ✓ One- and two-sided SMD assembly
- ✓ Hand-soldered through-hole assembly
- ✓ Automatic through-hole assembly
- ✓ Mixed assembly – through-hole and SMD
- ✓ Mechanical assembly
- ✓ Automated Optical Inspection (AOI)
- ✓ X-RAY Inspection
- ✓ BGA repair and replacement

Our offer

- ✓ Preparation of assembly technological documentation
- ✓ Production of templates for paste application
- ✓ Purchase of printed circuit boards (PCB)
- ✓ Purchase of electronic components
- ✓ Assembly of electronic components (SMT, THT and mixed)
- ✓ Final assembly of complete devices
- ✓ Activating and testing modules
- ✓ Picking and packing of prepared products
- ✓ Delivery to an end customer
- ✓ Warranty and post-warranty service

Additional offer

- ✓ Washing electronic circuits
- ✓ Lacquering and conformal coating
- ✓ Manufacturing of electric harnesses
- ✓ Reports from the production process

