



SAFIRAL

Electronic Manufacturing Services



SAFIRAL

SAFIRAL s.r.o.

SAFIRAL was founded in 2007 as the first company on the Czech PCBA market to offer reserved capacity for express production. The company employs 77 people (as of November 2025).



SAFIRAL

Our mission is to set up our cooperation systematically to achieve maximum efficiency and speed.

SAFIRAL's vision is to expand speed and flexibility from prototyping to series production by 2027.

SAFIRAL Turnover

EUR €



Certifikace

ČSN EN ISO 9001:2016

ČSN EN ISO 14001:2016

IPC-A-610 (Certified IPC Specialist)

ESD-protected areas in accordance with ČSN EN 61340-5-1, IEC 61340-4-1

 SAFIRAL



Certificate no. QMS-1229-2023

Certificate no. EMS-633-2023



New facility in Letovice

- complete relocation of all operations to the new facility in Letovice
- outfitted with brand-new, state-of-the-art technology supported by an operational programme
- state-of-the-art machines, technologies and applications to increase competitiveness
- the goal is to achieve top-level manufacturing not only in the Czech Republic but across Europe
- Total facility floor area: 3,419 m²



State-of-the-art technology

Our modern equipment enables us to provide first-class services.



Documentation with detailed equipment specifications

Smart Production Line & Product Birth Certificate

- each product receives its own birth certificate (traceability)
- automated real-time data collection from the entire production line
- data is stored in NAS systems for the duration of the warranty
- enables detailed monitoring of production quality and accuracy
- designed to meet requirements for use in the aerospace industry
- compliant with IPC CFX format standards

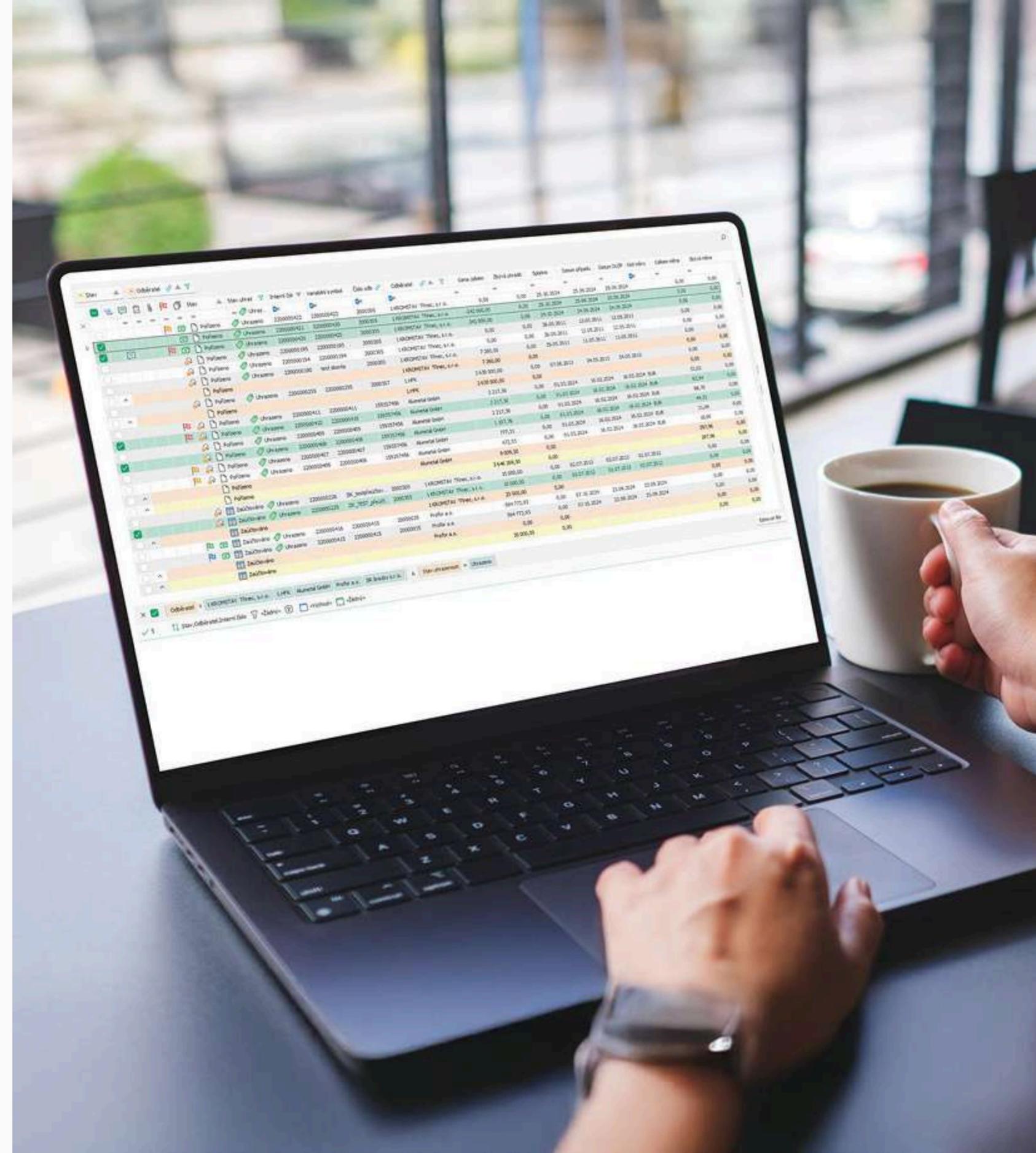
 SAFIRAL



Information System

Helios Nephrite

- advanced ERP system
- integrated with MES MYCenter
- location tracking system for jobs and materials
- operation reporting via code scanning
- real-time production data collection



Collaboration Process

1



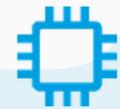
PCB design and procurement

2



Component sourcing

3



Assembly

4



Testing

5



Final assembly

6

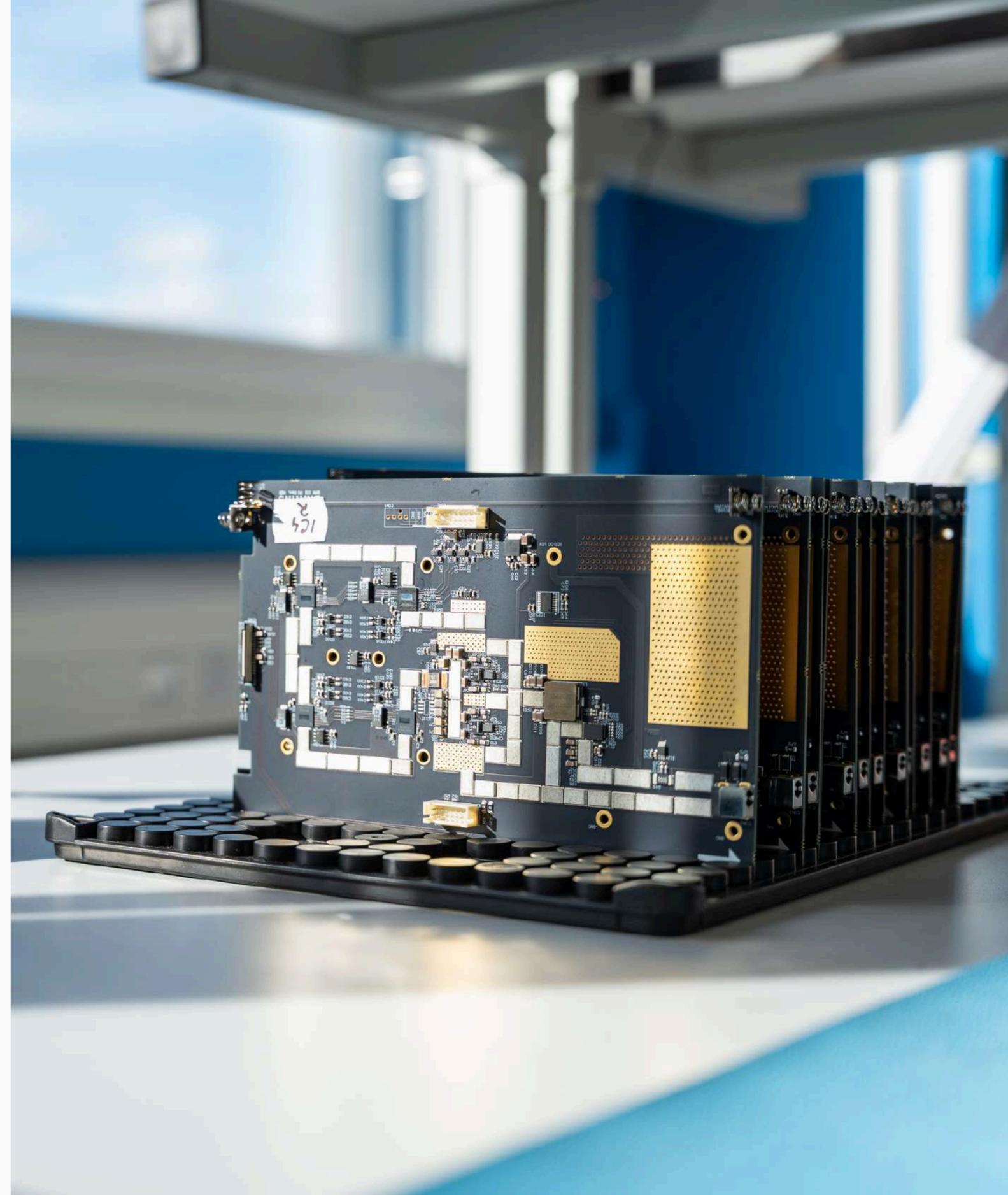


Shipping



Component and PCB Procurement & Design

- verified suppliers
Farnell, TME, RS, Mouser, Digikey, Arrow, Microchip, TI, Future, Avnet, TTI, Würth, Wittig, Rutronik
- customer-specified suppliers
- consignment stock management
- various material sourcing options
- external PCB design and procurement (EU / China)
- quantity control, labelling, and warehousing using X-ray counters



Electronics Assembly

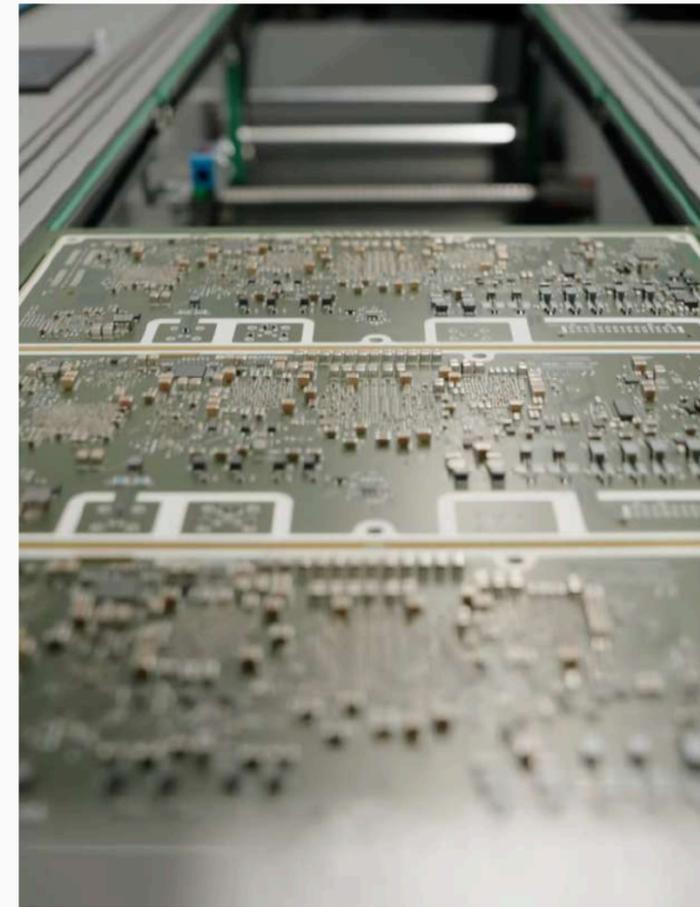
Basic Description



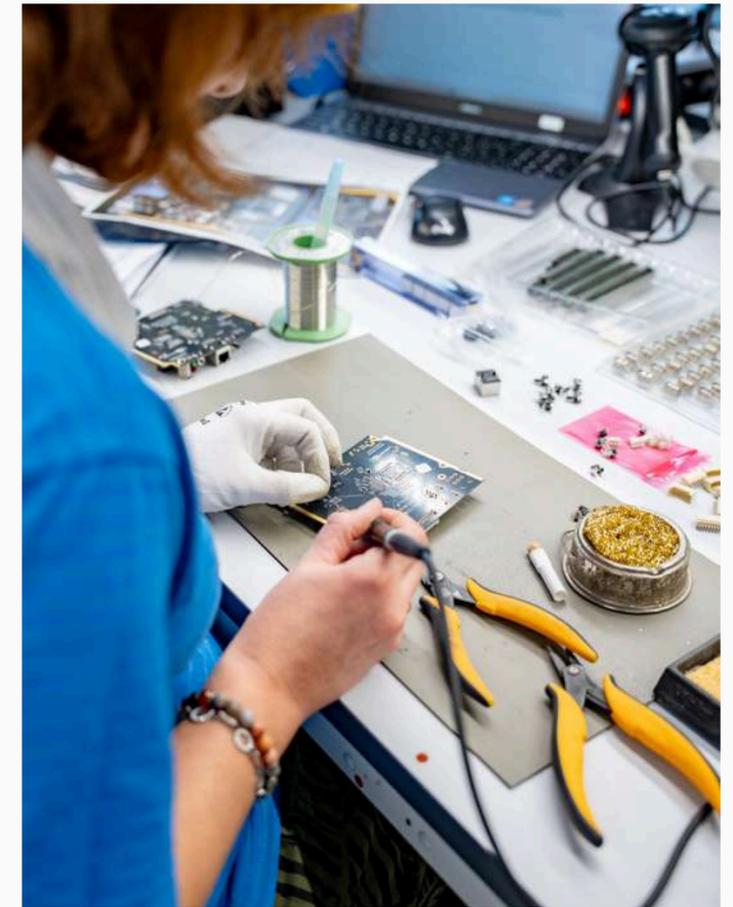
**Solder
paste application**



**Component
pick-and-place**



Reflow soldering



**Inspection, cleaning,
and depaneling**

Testing

- 3D SPI
- 3D AOI
- X-ray inspection
software evaluation of shorts and percentage of voids in solder joints
- Electrical testing
basic functional testing according to customer requirements
- ICT testing
testing using Safiral equipment or customer equipment
- Full functional testing including firmware upload
custom-made bed-of-nails fixture or customer equipment



Final assembly

Additional services

Bonding of critical components using adhesive or silicone

Potting of PCBA with two-component polyurethane compound

Selective conformal coating

Press-fit component insertion

Cable assembly

Enclosure assembly

PCB programming and commissioning

Product labelling

Depaneling

Production speed

EXPRES production

from 1 day

[Express Delivery Details](#)

STANDARD production

from 5 days

[Standard Delivery Details](#)



Useful Links



[Video](#)

[List of Machinery & Equipment](#)

[Certifications](#)

[FPC Hand-Probe Tester](#)

[RAKU-PUR 21-2360-1](#)

[Company Terms & Conditions](#)

[Company Technical Specifications / Conditions](#)

[Company General Purchasing Conditions](#)

What happens next?

1.

Your inquiry

2.

Our quote

3.

Your decision

4.

Fast
production

5.

Delivery to
your door

 SAFIRAL



**We look forward
to working with you.**



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