



Solutions for You

COOPERATIVE PRODUCTION AND PRINTED CIRCUIT BOARDS ASSEMBLY

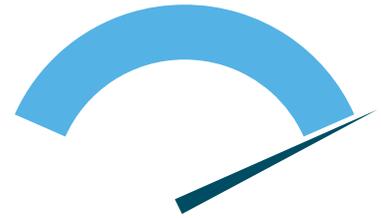
Long-time experiences
Modern technologies
Individual approach and flexibility



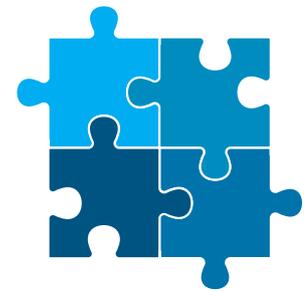
Long-time experiences with assembling of printed circuit boards (PCB) in production of our cash registers and IT solutions has enabled us to offer manufacturing services for external customers.



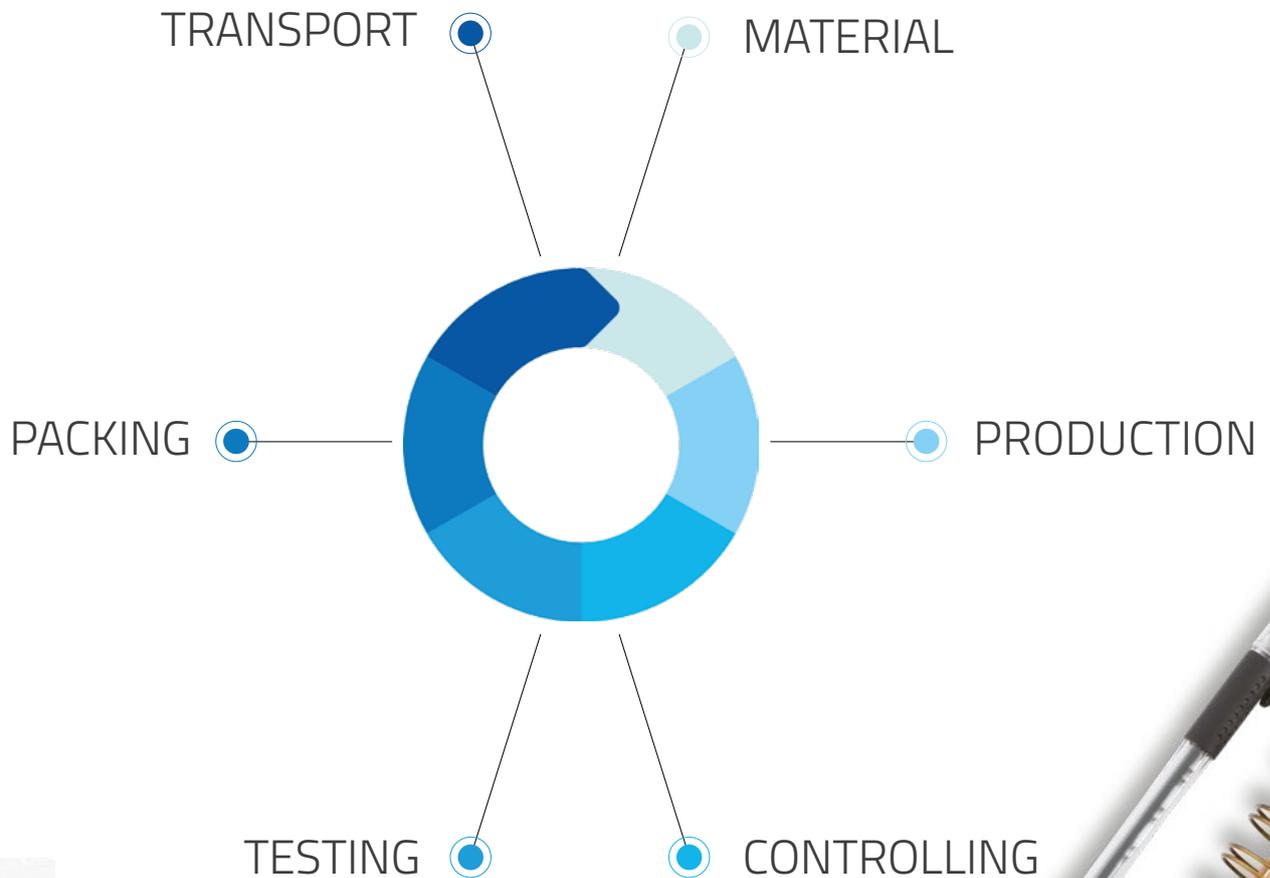
We will help you ensure **fast and smooth production** of your electronic products without expanding your capacities, hiring additional professionals or buying expensive sophisticated technologies.



Based on the prototype or the model's first technical design from our customer we can realize complete **production and assembly of PCB through SMT and THT technology**. We'll provide you with the required activities in the specified quantity and quality.



THE SUPPLY AREAS



ELCOM is always open to new opportunities, ideas and cooperation offers.

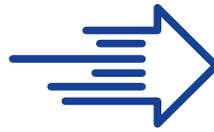
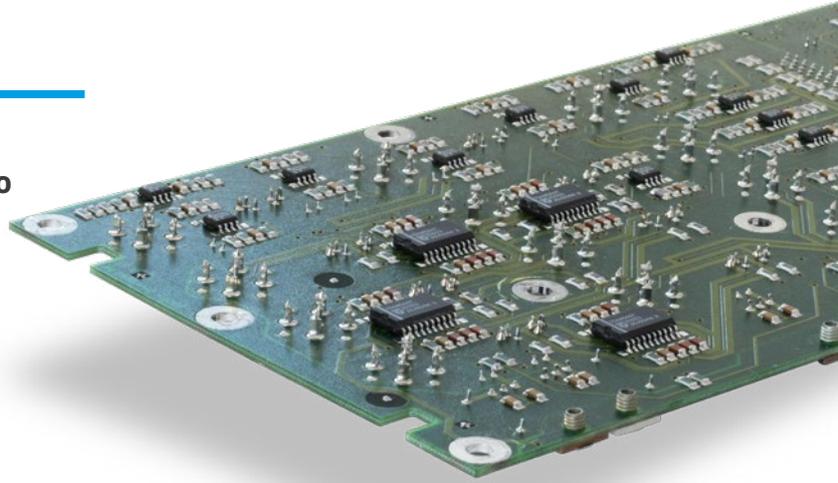
In case of any questions, consultations or a price offer, we are always here for you.

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PRODUCTION AND PCB ASSEMBLY

Production and assembling of PCB according to individual customer requirements.

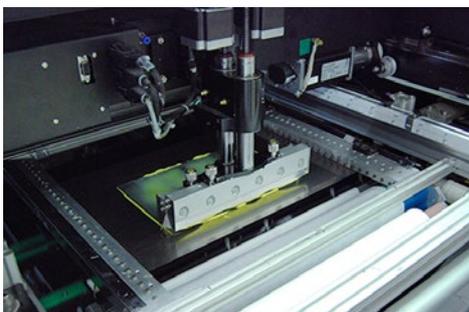


Large-lot and small-lot production and assembling of PCB based on customer preferences.

Assembly capacity of 45,000 CPH (components per hour) in 2 fully automatic assembly lines and production of more than 60,000 PCB monthly.

Our technologies respect environment and meet the EU's strict environmental requirements.

- RoHS (Lead-free) compatible production technology
- Surface Mount Devices and Through Hole Technology of assembling and soldering
- the screen-printing stencil application of tinning paste and SMT glues
- wave assembling and soldering
- assembling and hand soldering of PCB and special assembly
- painting of printed circuit boards by coating device SSC 100 for protection against environmental impacts



MATERIAL PURCHASE

Securing the material and components needed for the smooth operation and production.

- effective selection of global suppliers from our own proven databases
- selecting the best offer
- ordering and secure delivery of the material and components directly to the production line



PRODUCTION OF PLASTIC COMPONENTS

Production of plastic parts in a form of semi-finished products or a final product.

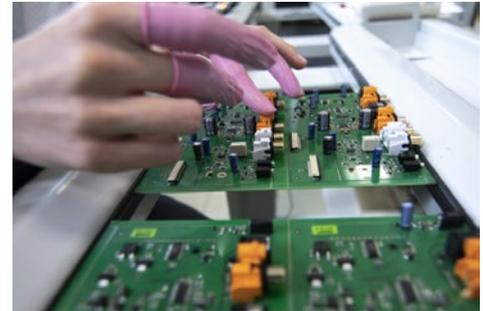
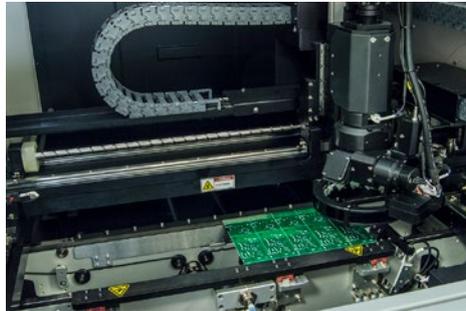
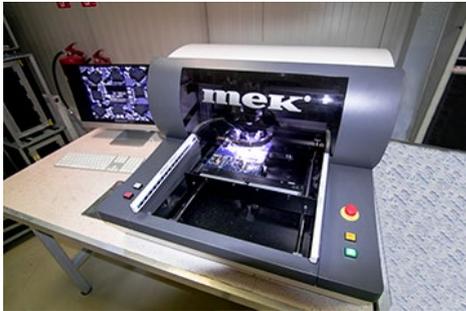
- with addition of manufacture, repair and supply of high quality injection moulds
- moulding shop for plastic parts production and moulding shop for metal parts production
- moulding shop is equipped with various types of machines with small and mid-sized electronic injection moulding machines
- providing additional services in spray paint for plastic or metal parts thanks to 3 complete spray paint workstations with possibility to choose metallic colours and varnishes



CONTROLLING AND TESTING

Controlling and testing of PCB using sophisticated technologies and procedures.

- interoperating control and entire output control
- Automatic Optical Inspection (AOI) and Solder Paste Inspection (SPI)
- ESD product testing
- superior technologies for maintenance and service of damaged electronic boards



PACKING AND TRANSPORT

Comprehensive logistics services within Europe and all around the world.

- additional independent challenging output control
- design of an optimal packaging for product with parameters for safe transport
- provision of customs declarations
- delivery of the ordered quantity with respect to the customer's deadline and location, including the possibility of delivering products „Just in Time“



SIGNIFICANT REFERENCES

HEALTH CARE



The production of parts designed for medical purposes requires the strictest quality criteria (IPC A 610 class 3). High demand with relatively small series requires highly trained employees and maximum concentration in all technological operations.



CONTROL OF LIGHTING RESOURCES



A very prospective and promising area with a fast development. In cooperation with the development teams from cooperating companies, a comprehensive complex of regulation of almost all types of light sources has been created using existing distributions as well as new ones specially designed for the purpose.

All standard and special types of regulation (Dali, 1-10, AM 220V) are designed for villages, hypermarkets and also manufacturing halls. Miniaturising decoding circuits brings many ways of use even under cramped, poorly lit conditions.



AUTOMOTIVE



A range of applications for automotive industry is focused on light applications, especially small signal assemblies with LEDs and electronic switches of rear combined lamps for additional car equipment (trolleys, additional carriers with rear combined lamps). The above-mentioned high series of products requires maximum production efficiency and quality. An advantage is their long service life.



POWER ELECTRONICS



Focusing on PCB assembly for welding inverters and control electronics for a wide range of welding aggregates and plasma cutters. These solutions are well known for its high quality of PCB processing and for extraordinary conditions for the removal of heat from the surface of extremely electrically and heat-loaded components. PCB are thanks to applied paint more resistant to external environmental influences such as moisture, dust and accidental physical damage by flying particles. The emphasis is also laid on the range of used components that are purchased from proven and quality suppliers.



High End Audio



Production of PCB for high-quality audio equipment (electronic and vacuum valve amplifiers, pre-amplifiers, CD converters, A/D and D/A converters, streamboxes, FM tuners, etc.). High demands on PCB assembly, testing and the visual side of products.

INDUSTRY

A wide range of control and support PCBs for various applications in industry:

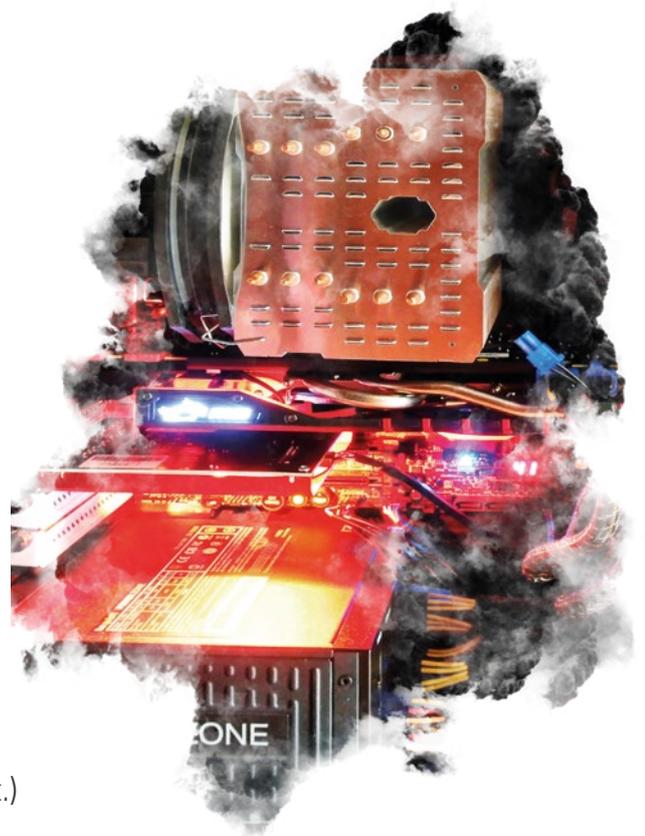
- Telemetric systems for remote measurement systems of physical quantities



- Burning programmable ICs and memories



- Control circuits for industrial solutions (identification systems, sensors, electronic gardens, etc.)



BENEFITS OF COOPERATION

- competitive production costs
- considerable time saving
- convenient and flexible delivery of components and materials
- possibility of contract cooperation in mould production field
- Automatic Optical Inspection (AOI) and Solder Paste Inspection (SPI) usable in real time
- possibility of UV automatic painting of PCBs against environmental impacts
- improving your business's performance and competitiveness and helping to maintain satisfaction among your loyal customers



The quality of production is ensured by the application of the ISO 9001 quality management system in practice.



AWARDS



Special award of the Microsoft Slovakia Director for the durable Uniq Tablet.

UniqPC won the highest award for product quality, the Slovak Gold Grand Prix.

Uniq Tablet became the best IT product of 2013 in Slovakia.

REVUE PRIEMYSLU Award for innovation management.



ABOUT US

-
- **32** years on the market
 - **120** highly qualified employees
 - more than half a **million** sold cash registers
 - own IT solutions usable even in the most difficult conditions
 - 2 fully automated production lines
 - **millions** of high-quality assembled printed circuit boards
 - **500,000** satisfied customers from more than 60 countries all around the world
-

ELCOM[®]

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