Group of companies IKT – contract electronics manufacturer
"IKT ELECTRONICS" is a production site with high-tech equipment and modern infrastructure for electronic products assembly.

Watch the video here
SMT line by ASM (Germany, UK, Netherlands)

in operation since 2018

Watch the videos at the links:

- Solder paste application
- SMT components placement
- SMT soldering
SMT line by ASM (Germany, UK, Netherlands)

in operation since 2018

Equipment of the line:
1. Printer ASM DEK E
2. Placement machine ASM SIPLACE E CP12/PP (2 in the line)
3. Reflow oven ITW EAE Vitronics Soltec Centurion CT 1040
4. Loader/unloader, conveyor equipment Nutek
SMT line JUKI (Japan)
in operation since 2021

Equipment of the line:
1. Loader MB814
2. Printer G-Titan
3. Conveyor T4MB706-1500
4. Placement machine RS1 (2 in the line)
5. Conveyor T4MB730-1500
6. Reflow oven RS1000
7. Unloader MB817
Conformal coating application line (USA)
in operation since 2020

Robotic system for conformal coatings application PVA Delta 6.

System for ultraviolet polymerization of adhesives, coatings and compounds PVA SPECTRA.
Section for industrial cleaning of printed circuit assemblies and stencils equipment from PbtWorks (Czech Republic), in operation since 2019

Automated system for cleaning printed circuit assemblies from flux residues SuperSWASH III

Watch the video here

Automatic cleaning machine miniSWASH

Watch the video here
THT soldering. Selective soldering machine CUBE.460 (Germany) in operation since 2020

Applied THT assembly technologies:

- selective and microwave soldering on the CUBE.460 machine;
- soldering robot;
- manual assembly.

Watch the video "Manual assembly" [here](https://www.youtube.com/watch?v=T83plRKw8pw)
Functional testing and mechanical assembly section

- programming and functional testing of the assembled modules;
- case assembly;
- installation of displays, buttons, cable connectors, switches, etc.

Watch the video here
Cables assemblies manufacturing

Wire cutting stripping machine KINGSING KS-W6231
Pneumatic cable wire stripper KINGSING KS-W335
Multi Stage Coaxial Cable Stripper SCHLEUNIGER 207
Schleuniger UniStrip 2015

Watch the video here
**QUALITY CONTROL**

**FUNCTIONAL TESTING**

OMRON S500
- high speed and high resolution color camera;
- telecentric lenses;
- program settings in accordance with IPC standards;
- real-time process control.

Watch the video [here](https://www.youtube.com/watch?v=5B73Eth8O9o)
Electronic components warehouse with an area of 240 m² (mezzanine architecture, two floors).

Warehouse for finished products with an area of 130 m².
The bonded warehouse regime provides legal framework for storing of electronic components for a device assembly without import taxes being levied.

**Advantages for the customers:**
- opportunity to relocate their stock directly to the IKT’s production site;
- import taxes optimization;
- reduction of logistics cost;
- speeding up the assembly of finished products.
Antistatic protection infrastructure

- antistatic flooring of the production site and the warehouse;
- antistatic furniture;
- automatic control of static electricity protection facilities;
- antistatic footwear and overalls for staff and visitors.
Microclimate and industrial cleanliness infrastructure

- air handling unit Frapol (Austria) AF15 / AF15;
- fine air filters F5;
- industrial air conditioners Daikin (Japan).
The developed by IKT software product SMPP provides:

- production planning and assignment of tasks to performers;
- documenting the production operations execution;
- products and components traceability;
- customer’s online access to track production and shipment schedules in real time.
3D image of the manufacturing site
• video surveillance system with dedicated server
• ability to track the production process in real time
• access control system

PRODUCTION TEAM

Key positions on the enterprise are occupied by qualified professionals with work experience in the electronics manufacturing industry and past internship at the manufacturers of EU countries.
Quality Management System of the company is certified for compliance with the requirements of ISO 9001: 2015.
IKT foreign markets

- Canada
- USA
- Mexico
- France
- Poland
- Great Britain
- Israel
- Australia
- Germany
- Austria
1. Creation and commissioning of a new IKT factory in European Union (Bulgaria).
2. Integration of accounting, planning and monitoring software into a single shop floor system.
3. Creation of In-house Training Center.

We will be happy to arrange an individual presentation of production for you on site, answer your questions and discuss the possibility for establishing mutually beneficial cooperation.

CONTACT INFORMATION:

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