Group of companies IKT –
contract electronics manufacturer
The main achievements of IKT in 2021

- the company’s turnover increased by 27.5% compared to 2020;
- the number of the workforce has been increased by 30%;
- a bonded warehouse was opened within the IKT area, which allows storing of electronic components for a device assembly without import taxes being levied;
- the second SMT line from JUKI was put into operation;
- new technologies were mastered – cable harness manufacturing.
"IKT ELECTRONICS" is a production site with high-tech equipment and modern infrastructure for electronic products assembly.
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
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
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](https://www.youtube.com/watch?v=ll4jwauQjis)

Automatic cleaning machine miniSWASH

Watch the video [here](https://www.youtube.com/watch?v=B46eEkJwiIw)
Applied THT assembly technologies:

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

Watch the video "Manual assembly" here
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: https://www.youtube.com/watch?v=iM7Yydo09K4
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.
Bonded warehouse within the IKT area

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.
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

Quality Management System of the company is certified for compliance with the requirements of ISO 9001:2015.
**AUSTRIAN REPRESENTATIVE**

**ellwest**

PRINTED CIRCUIT BOARDS

Mr. Franz Lehner  
ELLWEST PCB GmbH  
Kolonitzplatz 7/1,  
A-1030 Vienna,  
Austria

(431) 715-38-97  
(431) 715-38-98  
(431) 715-38-99

inquiry@epcb.at  
ellwest-pcb.at

**ISRAELI REPRESENTATIVE**

**Valigent**

ENGINEERING

Mr. Lev Korsunsky  
Valigent Ltd  
20 Hataas St.  
P.O.B.79  
Kfar-Saba 44425  
Israel

(972) 9 7687348  
(972) 544835303  
(972) 9 7655302

levk@valigent.biz  
www.valigent.biz

**REPRESENTATIVE IN AFRICA (EAST, WEST AND SOUTH)**

Mr. Felix Chukwuka  
+2348100799477  
+2347025608781

sales-africa@ictech.com.ua
1. Increasing the sales volume by 30%.
2. Commissioning of the cable harness workshop.
3. Integration of accounting, planning and monitoring software into a single ERP system.
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:

info@ikt.com.ua
+38 (044) 331-03-75
2, Industrialna street
Chernihiv 14011
Ukraine

You can get more detailed information about the company by visiting our websites:
http://ikt-electronics.com.ua
https://ictech.com.ua
https://www.youtube.com/channel/UC6VfoVVpUle5qxLaiDAqp1g

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