



**IKAT**

**ELECTRONICS**

**MANUFACTURING SERVICES**



"IKT ELECTRONICS" is a production site with high-tech equipment and modern infrastructure for electronic products assembly





Equipment of automatic line for electronic products assembly is represented by products of famous world brands



# ASSEMBLY LINE EQUIPMENT

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## Automated screen printer ASM DEK E

- Accuracy: > 2.0 Cmk @  $\pm 25.0\mu\text{m}$ , ( $\pm 6$  Sigma)
- Repeatability: > 2.0 Cmk @  $\pm 12.5\mu\text{m}$ , ( $\pm 6$  Sigma)
- Speed of squeegee movement: from 2 mm/s to 300 mm/s
- Print cycle time: 11 second



## Automated pick and place machine ASM SIPLACE E CP12 / PP (2 machines in the line)

- The placed components: 01005 - 45x98 mm
- Components height: 19 mm
- Accuracy ( $3\sigma$ ): 37.5  $\mu\text{m}$
- Placement speed: 24 200 cph

# ASSEMBLY LINE EQUIPMENT



**Forced-convection SMT reflow system**  
**ITW EAE Vitronics Soltec Centurion CT 104**

- Number of vertical heating zones: 10
- Total length of heating zones: 3 550 mm
- Number of vertical cooling zones: 4
- Total length of cooling zones: 1 420 mm



**Line loader and line unloader**  
**Nutek**

- Single magazine line loader Nutek NTE 0710LL
- Single magazine line unloader Nutek NTE 0710UL



**Conveyor equipment**  
**Nutek**

- Linking conveyor Nutek NTE 0410L
- Inspection conveyor Nutek NTE 0510IC





**Soldering robot  
QUICK9334**

- 4 axis control system
- Temperature range: 50 °C - 500 °C
- Accuracy:  $\pm 0.02$  mm /  $\pm 0.02$  °
- Resolution: 0.01 mm / 0.01



**Automatic cleaning machine  
miniSWASH (pbtWorks, Czech  
Republic)**

- Stencil size: 29"
- Washing liquid temperature: up to 60 °C
- Drying temperature: up to 110 °C



**Drying and Dry Storage  
system XSC-900-01**

- External dimensions: 606 x 1990 x 1050 mm
- Effective capacity: 890 l
- Humidity level:  $\leq 0.5\%$  R
- Loading: 25 kg / 1 shelf

## FUNCTIONAL TESTING



### AOI OMRON S530

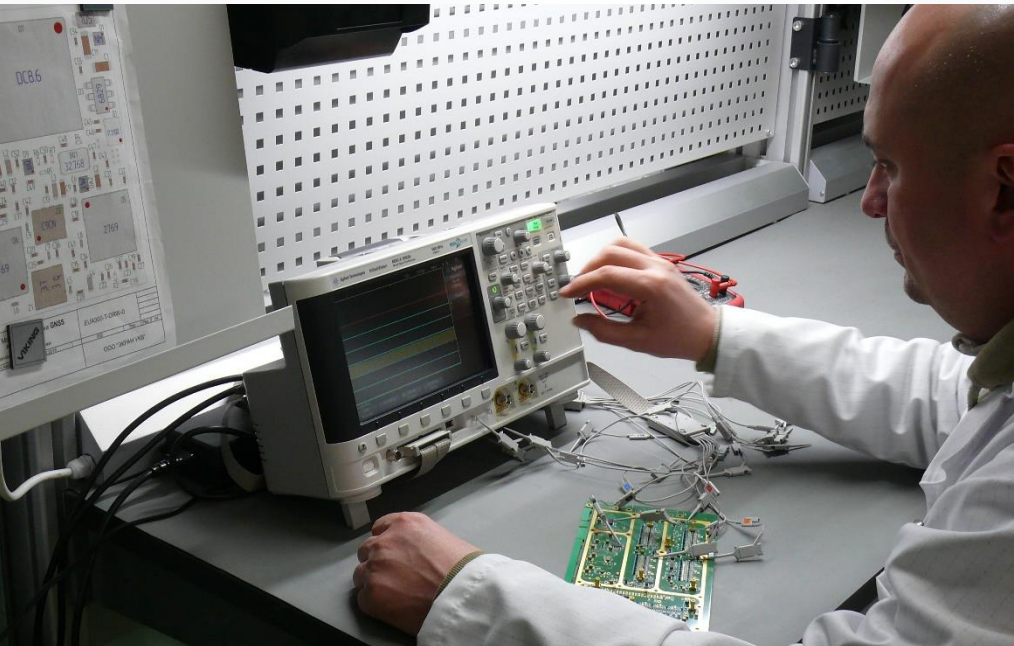
- High speed and high resolution color camera
- Telecentric lenses
- Program settings in accordance with IPC standards
- Real-time process control



## VISUAL QUALITY CONTROL



## DIAGNOSTICS AND ENGINEERING ANALYSIS OF MALFUNCTION UNITS



**Rework station  
QUICK EA-A10**

- PCB dimensions: 420 x 450 mm (max)
- BGA size: 2 x 2 ~ 60 x 60 mm
- Accuracy:  $\pm 0.025$  mm
- Lens: 50 x 50 mm



**CARRYING OUT REPAIRS WITH THE  
USE OF SPECIAL EQUIPMENT**



- 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



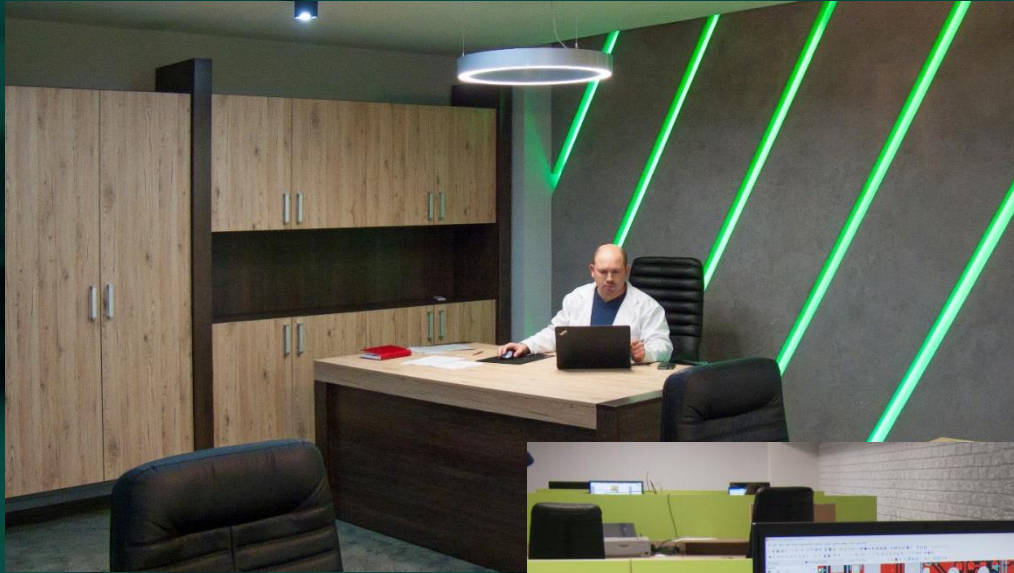
- air handling unit Frapol (Austria) AF15 / AF15
- fine air filters F5
- industrial air conditioners Daikin (Japan)





- video surveillance system
- ability to track the production process in a real time
- access control system







# ENTRANCE HALL, DRESSING ROOMS AND SANITARY PREMISES







**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.**



## TECHNOLOGICAL CAPABILITIES OF ASSEMBLY PRODUCTION

- PCB DIMENSIONS (MAX) 508X508X5,0 MM
- BGA ASSEMBLY PITCH UP TO 0,4 MM
- LEAD FREE PACKAGES CCGA, CSP, LGA ASSEMBLY
- ASSEMBLY OF MICROCHIPS WITH SMALL PITCH UP TO 0.4 MM
- ASSEMBLY OF SMALL SIZED PASSIVE COMPONENTS

FROM 01005

- NON-STANDARD ELEMENTS ASSEMBLY
- PRESS-FIT CONNECTORS PRESSING IN

## ADDITIONAL OPTIONS

- WATERPROOF COATINGS APPLICATION
- SETTING UP AND ADJUSTMENT OF ELECTRONIC

## UNITS

- PCB ASSEMBLIES CLEANING
- CASE ASSEMBL
- FUNCTIONAL TESTING OF PRODUCTS

# QUALITY MANAGEMENT SYSTEM

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICAT

  
Management Service

## CERTIFICATE

The Certification Body  
of TÜV SÜD Management Service GmbH  
certifies that



**LIMITED LIABILITY COMPANY  
«IKT ELECTRONICS»  
2, Industrialna str.  
Chernihiv, 14011  
Ukraine**

has established and applies  
a Quality Management System for

**Electronics manufacturing services.**

An audit was performed, Report No. **707091452**.  
Proof has been furnished that the requirements  
according to

**ISO 9001:2015**  
are fulfilled.

The certificate is valid in conjunction  
with the main certificate from **2018-08-03** until **2021-08-02**.  
Certificate Registration No.: **12 100 56237/02 TMS**.

  
Product Compliance Management  
Munich, 2018-08-13

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstrasse 65 • 80339 München • Germany  
www.tuev-sued.de/certificate-validity-check 

ISO 9001:2015

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICAT

  
Management Service

## СЕРТИФІКАТ

Орган з сертифікації  
TÜV SÜD Management Service GmbH  
засвідчує, що підприємство



**ТОВАРИСТВО З ОБМЕЖЕНОЮ  
ВІДПОВІДАЛЬНІСТЮ  
«ІКТ ЕЛЕКТРОНІКС»  
вул. Індустріальна 2  
м. Чернівці, 14011  
Україна**

впровадило та використовує систему  
менеджменту якості у наступних галузях:

**Контрактне виробництво електроніки**

Аудит, номер звіту **707091452**  
підтверджує, що вимоги

**ISO 9001:2015**  
виконані.

Даний сертифікат зв'язаний з основним  
сертифікатом і дійсний з **03.08.2018** р. до **02.08.2021** р.  
Ресстраційний номер сертифікату: **12 100 56237/02 TMS**.

  
Product Compliance Management  
m. München, 13.08.2018 р.

TÜV SÜD Management Service GmbH • Zertifizierungsstelle • Ridlerstrasse 65 • 80339 München • Germany  
www.tuev-sued.de/certificate-validity-check 

ISO 9001:2015

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






You can get more detailed information about the company by visiting our website <http://ikt-electronics.com>

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

#### **CONTACT INFORMATION:**

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