

АТБ
ЭЛЕКТРОНИКА

**R&D CENTER
AND ELECTRONICS
INDUSTRIAL
PRODUCTION**

2021



ABOUT THE COMPANY

ATB Elektronika Company is a Russian developer and manufacturer of electronic instruments. The Company was established in 2005, and currently it is one of the largest OEM electronic manufacturers in Russia. The accumulated experience, the competencies of the personnel and the modern equipment enable ATB Elektronika Company to develop and manufacture equipment and devices of any complexity level. The head office and the industrial site are situated in Moscow.

Since 2015, ATB Elektronika has its and in-house R&D center, the primary activities of which are as follows:

- Re-design and development of products within the framework of import phase-out, selection of Russian analogs of ECB (Electronic Component Bases);**
- Development and follow-on revision of products in accordance with the Statements of Work of the customers;**
- Development of low-level software;**
- Drawing up of the documentation pursuant to ESKD (Unified System for Engineering Documentation).**



R&D CENTER

Electric Radio Products (ERP) and Functional Assemblies, Which We Work with:

- FPGA of Intel (Altera) and partially Xilinx Companies;
- Microcontrollers and microprocessors of different architectures: ARM, MIPS, x86 and others;
- Signal processing microprocessors (DSP);
- Interfaces: Ethernet (up to 10 G), CAN, RS-232-422-485, VME, PCI, PCIe, LVDS, SPI, I2C, USB;
- Wireless interface modules LoRa, ZigBee, Bluetooth, GSM, NB-IoT, WIFI and others;
- Information digital input and output: reading of the information from the detectors and other;
- Control of devices: drivers,
- Analogous input and output including Digital-to-Analog and Analog-to-Digital converters (up to 500 MHz frequencies);
- Built-in voltage DC/DC, AC/DC of any type (up to 220 V);
- Self-contained power supply modules: storage batteries, wireless and wire chargers;
- Domestically produced ERP: microcontrollers, discrete logic, transceivers, FPGA, IP, analogous integration circuits.

Over the last 5 years, the Company has implemented more than 50 projects on localization of manufacture of foreign products in the Russian territory.



PRODUCTION CAPACITIES



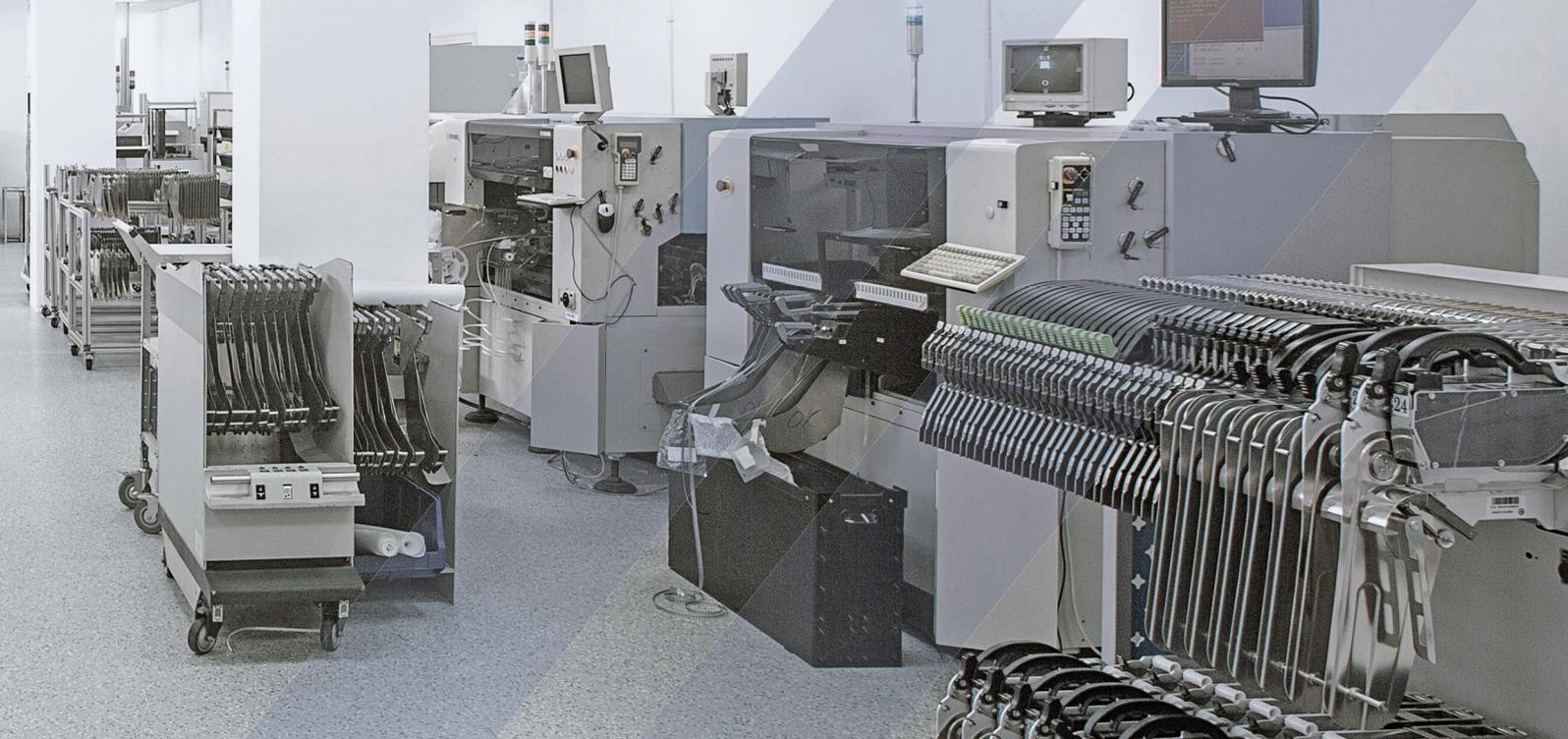
Line 1

Silk-Screen Printer DEK Horizon 01i
Component Installer Philips/Assembleon Sapphire
Component Installer Philips/Assembleon Topaz XII
Convection Reflow Oven Electrovert Omniflow7 (7 areas)



Line 2

Silk-Screen Printer DEK Infinity
Component Installer Philips/Assembleon Topaz XII
Component Installer Philips/Assembleon Topaz XII
Convection Reflow Oven Zevatech 1500W (5 areas)



Line 3

Silk-Screen Printer DEK Infinity
Optical Inspection of Applied Soldering Paste Parmi HS60L
Component Installer Samsung/Hanwha DECAN F2
Component Installer Samsung/Hanwha SM320
Component Installer Samsung/Hanwha SM451
Convection Reflow Oven ERSA Hotflow 2/20



Line 4

Silk-Screen Printer DEK Horizon 03ix
Optical Inspection of Applied Soldering Paste Parmi HS60L
Component Installer Samsung/Hanwha DECAN F2
Component Installer Samsung/Hanwha DECAN F2
Component Installer Samsung/Hanwha SM482
Convection Reflow Oven Samsung SRF70i92



ADVANTAGES

- › 15 years of success. Constant development strategy. 3 000 m² – manufacture and R&D center in Moscow;
- › Single pattern: development – purchase – manufacture – delivery to the partner;
- › Manufacture of electronics – from the engineering prototype to large-volume production;
- › Four up-to-date lines with the total performance of 300 000 components per hour;
- › Effective import phase-out. Development of electronics on the national component base;

Participant of Association “Consortium of Radioelectronic Industry”, Non-for-Profit Organization “Internet of Things Association”, ANO (Autonomous Non-for-Profit Organization) “Telecommunication Technologies”, Association of Russian Developers and Manufacturers of Electronics.



INDUSTRIES

Jointly with its partners, ATB ELECTRONICS Company has developed and arranged batch production of industrial devices, which have become widely used in the following industries:

- › Agriculture;
 - › Extraction of mineral resources;
 - › Industrial automation;
 - › Railway transport, underground and infrastructure
 - › Construction and Housing and Public Utilities;
 - › Telecommunications;
 - › Shipboard equipment of maritime and inland transport.
Fleet infrastructure;
 - › Medical equipment;
 - › Digitalization (IOT);
 - › Motor transport, logistics, transport infrastructure.
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