

**Electronics SMT Process Engineer**

Develop technical processes for assembling electronic modules for the SMT line and the manual soldering shop. Support the production of electronic modules from input control to packaging. I 'am engaged in the procurement and control of materials in the warehouse. Analyze the statistics of production defects and improve technical processes. Control the ESD protection in all areas. Product quality control in accordance with IPC standards. I perform repairs and maintenance of SMT equipment. Also, I created and developed ROLO and ROM1 soldering flux.

**Core competencies**

- Surface Mount Technology • Wave Soldering • Selective Soldering • Reflow Ovens • AOI Inspection • FMEA • ROHS • Lead Free • PCB Cleaning • SMT • THT • Repair SMT • Process Engineer • ESD protection • Production control • Quality control • IPC-610 • Analytical thinking • Purchasing of materials • BOM • Computer skills • Moisture Protection • Soldering flux developer

**Award:** "For contribution to the training of qualified personnel for the industry" [ChipExpo-2021](#)

**Certificates:** [IPC-A-610H 2021](#), [IPC-A-610J 2024](#), [ESD Protection](#)

**Recommendation:** [Lorain County Community College USA](#), [Industry-Hunter RUS](#), [University MPEI RUS](#), [RASHIDOV OÜ EST](#), [Emil Otto Flux GMBH](#), [MeshLogic RUS](#)

**Members:** [SMTA USA](#), [ARPE RUS](#)

**Author:** YouTube "[Technologies of electronics production](#)". "Diamond Flux" USA Brand owner [Express-24 LLC](#)

**Employment History****Dart. Moscow. Electronic SMT Process Engineer 02.2021 - 11.2021**

Small production for the assembly of PCBs. Customize SMT Line: Loader, Stencil Printer, Pick & Place, Reflow Oven, Unloader, AOI. Setting up DIP molding machines, PCBs washers. Purchase of materials for production, production equipment, organization of safe workplaces. I write technical processes for the complete assembly of electronic products. Analysis of manufacturing defects and their elimination. I conduct trainings with staff and conduct interviews for new employees with subsequent training.

**IC Tech. Moscow. Electronic SMT Process Engineer 10.2020 - 01.2021**

Creation of technological processes for the assembly of electronic modules of different customers for the SMD line and the manual soldering workshop. Writing clear instructions for equipment and production sites. Purchase and control of residues of technological materials. Collection, analysis and use of defect statistics. Control of technological discipline (climate, equipment, ESD).

Achievements: • Achieved high-speed cleaning of printed circuit boards. My approaches have made it possible to save on detergents, reduce recycling costs, and improve the environmental safety of production.

• Reduced the cost of consumables for soldering. I conducted blind testing of solders, fluxes and soldering pastes, which revealed those materials that are cheaper and of the same quality.

• Created an Excel system for collecting statistics of production defects from all workplaces, which allows you to analyze and improve technical processes. FMEA with financial indicators.

**HTSYS. Moscow. Electronic SMT Process Engineer 04.2016 - 06.2020**

RnD Electronics development company. Creation of routes for assembling electronics. Solving problems with contract manufacturers. Manual soldering (from 0201) of experimental PCBs. Working with compounds, sealants, varnishes, moisture protection. Purchase of materials. Working with programmers.

Achievements: Accelerated Assembly and reduced defects thanks to minimal re-equipment of micro-production.

**MTZ-Transmash. Moscow. Electronic SMT Process Engineer 11.2013 – 03.2015**

Support for electronics manufacturing. Creating technical processes for assembling and testing electronics. Control of production and operation of equipment, maintenance in simple situations. Maintaining production reports. Analysis of soldering quality problems. ESD control in production.

Achievements: I rebuilt the interaction with suppliers and was able to save millions of rubles. This is my first and successful experience supporting mass production of electronics.

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**Education:** Moscow Technical University MIREA. 2000-2002. No degree

**Languages:** English - A2; Russian - Fluent