

Plättner Elektronik GmbH



Your partner for electronic engineering, prototyping and manufacturing, technological support / PCB assembly optimization for fully and partially automated assembly sequences, taking into account the applicable QM requirements, consulting and support in the selection of cost-effective and available components, re-design and optimization of circuit solutions, cost-effective and with fast realization times.

Your partner for electronic product development of 3D PCB layout and mechanics with Altium, SolidWorks and EPLAN, microcontroller programming of firmware and software (C, C++, C #, Visual Basic, JAVA), PLC programming in CoDeSys and Siemens, creation of requirements specifications, Product and Design FMEA, creation of test and inspection plans, simulation software Matlab, Simulink, LT Spice.

Global material procurement from manufacturers and distributors, storage, and logistics possible. Tempering and storage of moisture-sensitive components (MSL) in dry storage cabinets.

Production processes such as PCB assembly, various testing methods of the assemblies, programming, hand soldering, mounting the assembly, packaging and shipping by forwarder, postal services or direct deliveries possible.

Traceability

- extensive operation and machine data acquisition
- traceability of all produced assemblies, components and the associated processes
- database of manufacturer labels at goods receiving
- 2 Stufen Wareneingang, 1. Stufe – Status, 2. Stufe - Identifizierung

Irrespective of the component side, circuit board labels can be taken by the customer be married to the Plättner printed circuit board labels. However, a barcode or Data matrix code must be included on the label.

Facts

- founded in 1991
- currently about 100 employees
- including 12 electronics development engineers
- total land area 16,000 m²
- Production and storage space 3,800 m²
- Office space 700 m²
- Convenient traffic connections
- 2021 Company handed over to the second generation and founding of a holding company, pando electronic GmbH

Certificates

- industry certificates, QA competencies and experience also in the safetyrelevant area
- consistent quality management system according to DIN EN ISO 9001 : 2015
- ESD safety concept according to DIN EN 61340
- future planned certificates Occupational Health and Safety Management System (OHSMS) in accordance with DIN EN ISO 45001:2017, Environmental Management System (EMS) according to DIN EN ISO 14001:2015, Energy Management System (EnMS) according to DIN EN ISO 50001:2015, Information Security Management System (ISMS) according to EN 27001, ATEX Directive according to 2014/34 EU

machinery

- 4 fully automatic SMT assembly lines (ASM Siplace, Rehm - reflow soldering system, stencil-printer ink. air conditioning units for stable process)
- 2 THT assembly lines (SEHO) and 3 selective soldering system (Inertec) for wired circuit boards and special components
- Testing techniques such as in-circuit test systems (ICT), functional test systems (FCT), flying probe testers (FPT), high-voltage test systems (HST), and optical inspection systems (SPI, AOI, AXI, MOI) are available
- Various panel separators are available for separating the circuit boards from a panel (bridge separators, roller cutters, bar separators, panel milling cutters)
- Drying and tempering of components and circuit boards in a drying oven
- Winding of inductors/coils
- Specific crimping and cable assembly
- Solder paste conditioner, cleaning systems, calibration system for belt conveyors
- Conformal coating for fully automatic selective coating of protective lacquers on printed circuit boards (Nordson/Asymtek).
- Two semi-automatic machines for screwing printed circuit boards and housings

Processes und developments

- possible placement capacities of over 1 million components per day with a range from 01005 (0402) to 200 x 125mm in a 3 shift system
- reflow and wave soldering system uses N2 atmosphere
- own developments I the areas of electronic gas modulation systems, LED lighting, power supplies and switching power supplies, control and regulation systems, measurement technology and communication technology
- contract manufacturing for the furniture industry, sensor technology, railway technology, measurement technology and communication technology
- electronics manufacturing services
ASM LineMonitor: Serves to monitor the set-up control and consumption of the material quantities on the assembly lines
- MES Interlocking: Data interface for OIB to line recorder, traced data will be transmitted .
- modern storage and material management

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