

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.

Material procurement and storage possible. Moisture-sensitive components (MSL) are stored in a dry storage cabinet.

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.

- 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
- there of 7 electronics development engineers
- 15.000sqm total land area
- production and storage space 3.800sqm
- office area 700sqm
- convenient traffic connection
- 2022 establishment of a group of companies

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 according to IATF 16949:2016 (Automotive) incl. ASIL A, occupational health and safety managementsystem according to DIN EN ISO 45001:2017 and environmental protection managementsystem according to DIN EN ISO 14001:2015

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 2 selective soldering system (Inertec) for wired circuit boards and special components
- testing methods such as functional test system (FCT), Flying Probe Tester (FPT), high-voltage test system (HST), and automated optical inspection system (SPI, AOI, AXI, MOI) are available
- various panel separators are available for separating the circuit boards from a panel (bar cutter, roller knife, panel mill)
- drying and tempering of circuit boards in the drying oven
- winding of inductances / coils
- special crimp and cable assembly
- solder paste conditioner, cleaning equipment, calibration system for belt conveyors
- conformal coating for fully automatic coating of selective protective varnish on PCB's (Nordson/ Asymtek).

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 in 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 materialmanagement

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