

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.

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 level incoming goods processing, 1st level - status, 2nd level - identification

Machinery

- 4 fully automatic SMT assembly lines (ASM Siplace, Rehm, DEK)
- 2 THT assembly lines for wired components, THT printed circuit boards and special components (SEHO)
- testing technologies such as functional testing systems (FCT), flying probe test (FPT), high-voltage test systems (HVT), and automated optical inspection systems (AOI, AXI, MOI) are available
- for PCB panel separation, different depanelling equipment available
- winding of inductances / coils
- special crimp and cable assembly
- solder paste conditioner, cleaning equipment, calibration system for belt conveyors

Processes and developments

- possible placement capacities of over 1 million components per day with a range from 01005 (0402) to 200mm x 125mm in a 3 shift system
- reflow and wave soldering systems use 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, security technology and many more
- electronics manufacturing services

Facts

- founded in 1991
- currently about 100 employees
- there of 13 electronics development engineers
- 15.000 sqm total land area
- production and storage space 3.800 sqm
- office area 700 sqm
- convenient traffic connection

Certificates

- industry certificates, QA competencies and experience also in the safety-relevant 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 management system according to DIN EN ISO45001: 2017 and environmental management system according to DIN EN ISO 14001:2015

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