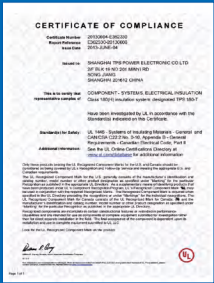




Being Different is Amazing

–EMS for Power Electronics  
–Power Electronic Devices



UL-E362330



ISO9001



IATF16949



ISO13485



ISO14001



ISO45001



### TPS Elektronik GmbH

📍 Senefelderstraße 8  
41066 Mönchengladbach  
GERMANY  
☎ Tel: +49 (0) 21 61 / 49 52 60  
✉ E-mail: [office@tps-elektronik.com](mailto:office@tps-elektronik.com)  
🌐 Internet: [www.tps-elektronik.com](http://www.tps-elektronik.com)

### Shanghai TPS Power Electronic Co.,Ltd.

📍 Building19-2F,Minyi Road No.201,Songjiang  
201612 Shanghai, China  
☎ Tel: +86 (021)3373 0588  
✉ E-mail: [info\\_sh@tps-elektronik.cn](mailto:info_sh@tps-elektronik.cn)  
🌐 Internet: <https://www.tps-electronic.cn>

Canada Calgary Office  
[Calgary.ca@tps-elektronik.com](mailto:Calgary.ca@tps-elektronik.com)

Italy Modena Office  
[Modena.it@tps-elektronik.com](mailto:Modena.it@tps-elektronik.com)

India Kerala Office  
[Kerala.in@tps-elektronik.com](mailto:Kerala.in@tps-elektronik.com)

China shenzhen Office



TPS Mönchengladbach Germany

- Sales
- R&D Engineering
- Warehouse



TPS Shanghai China

- Sales
- R&D Engineering
- Production



# About TPS

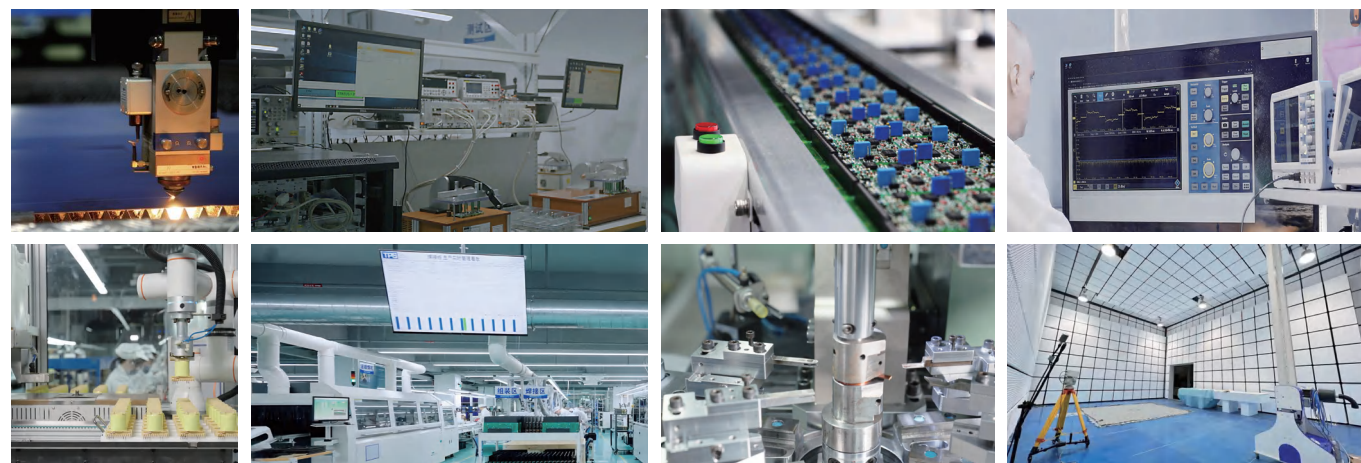
TPS is a global company specializing in Electronic Manufacturing Services (EMS) with 23 years of expertise in the power electronics sector. We are committed to offering solutions, especially for small and medium-sized enterprises, to overcome technical, manufacturing, and cost challenges related to low quantities, high variety, and stringent requirements. Leveraging our strategic global footprint, we strive to support clients in product promotion and achieving mutual success.

## EMS Overview



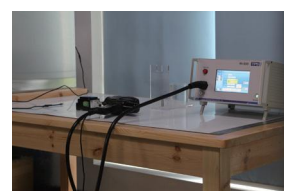
- PCBA: Surface Mount Technology (SMT) and Through-Hole Technology (THT)
- Inductive Winding Products: Chokes, Transformers
- Cable Assembly
- Alu Cooling and Water Cooling
- Metal Parts, Chassis, Cabinets
- Design and Engineering services: PCB-Layout, from prototype to pilot series, Ensuring safety, EMC Testing, and Certification
- Embedded Software Support

## TPS Factory („follow us on Youtube: @tpselektronikgmbh5965“ oder “Follow us on Youtube: TPS Elektronik GmbH”)



## EMC and Safety Testing in TPS Laboratory

All electronic devices must comply with the standards of CE, CB, and UL according to the law. Therefore, constant tests of the devices, especially in the development phase, are essential. One can carry out the tests at institutes such as TÜV, GS, VDE, etc. However, these are expensive and time-consuming. TPS has some test laboratories and can perform the following EMC and safety tests itself. For calibration, tests are carried out at TPS's partners.



### Conducted Emission Testing

- EN 55032 Conducted Emission On AC And Telecom Port 150kHz to 30MHz
- CISPR 11\_EN55011 CISPR 12\_EN55012
- CISPR 13\_EN55013 CISPR 14\_EN55014
- CISPR 15\_EN55015 CISPR 22\_EN55022
- CISPR 25\_EN55025 CISPR 36\_EN55036



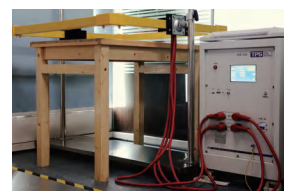
### Electrical Safety Testing

- AC withstand voltage test
- DC withstand voltage test
- Insulation resistance test
- AC Ground bond resistance test
- Leakage current test
- Power test
- Startup test
- Loop test



### Continuous radio frequency disturbances Testing

- IEC/EN 61000-4-6 150kHz to 230MHz



### Harmonic Current Emission Testing

- EN 61000-3-2

### Harmonic Current Emission Testing

- EN 61000-3-3

### Electrostatic Discharge Testing

- IEC/EN 61000-4-2

### Electrical Fast Transient Burst Testing

- IEC/EN 61000-4-4

### Surge Testing

- IEC/EN 61000-4-5

### Power Frequency Magnetic Field Testing

- IEC/EN 61000-4-8

### Volt. Interruptions Volt. Dips Testing

- IEC/EN 61000-4-11

## Current Distribution of TPS clients





## Power Electronic Products

### Power Supplies

- Computing power supplies, desktop/plug-in power supplies
- Openframe and unlocked built-in power supplies
- Medical power supplies
- DIN RAIL power supplies
- Print modules
- Chargers for Lead Acid and Lithium Batteries
- UPS Modular



### Cell Test Systems

- High Accuracy: 0.03% F.S.R. voltage and current accuracy, 3-range current
- High Efficiency: 760V high-voltage DC bus, silicon carbide chip, achieve 81% charging efficiency
- Fast Response: 3ms current response time, 5ms current switching time
- System Integration: support control of temp. chamber and water cooler or other
- Full Test Function: support DCIR, simulate working conditions, pulse, matrix following and other complex tests, support variable assignment
- Current Range: 100A, 400A, 600A and up to 2400A in Parallel Operation



### Programmable Bidirectional Power Supplies

- AC Source and Bidirectional
- DC Source and Bidirectional
- Power Grid Simulator
- Battery Simulator
- Solar Panels Simulator



### Renewable Energy

- Energy Storage
- Energy Storage Integrated Systems
- Air Energy Heat Pump



### Measuring Equipments, Test Devices

- Current Sensor
- EMC Equipments
- Safety Tester
- Temp Chamber
- Needle Test Adapter
- Oscilloscope
- Current Probe
- Voltage Probe



### Inrush Current Protectors, EMV Filters

- Inrush Current Limiter
- EMV Filter
- Isolated Transformers
- Lightning/Surge Protection



### ESD Workplace

- ESD Test Table, Packing Table Charging Efficiency
- ESD Trolley,
- Accessories for Electronic Manufacturing



### Alu Cooler, Cabinet, Metal Parts

- Alu Cooler, Water Cooler
- 19 inch Cabinets
- Metal Parts
- Cable Approved CE,UL
- Thermal Paste





# Where we are

## TPS Mönchengladbach, Germany

Mönchengladbach is a city in western Germany with approximately 260,000 inhabitants, near the Dutch border.

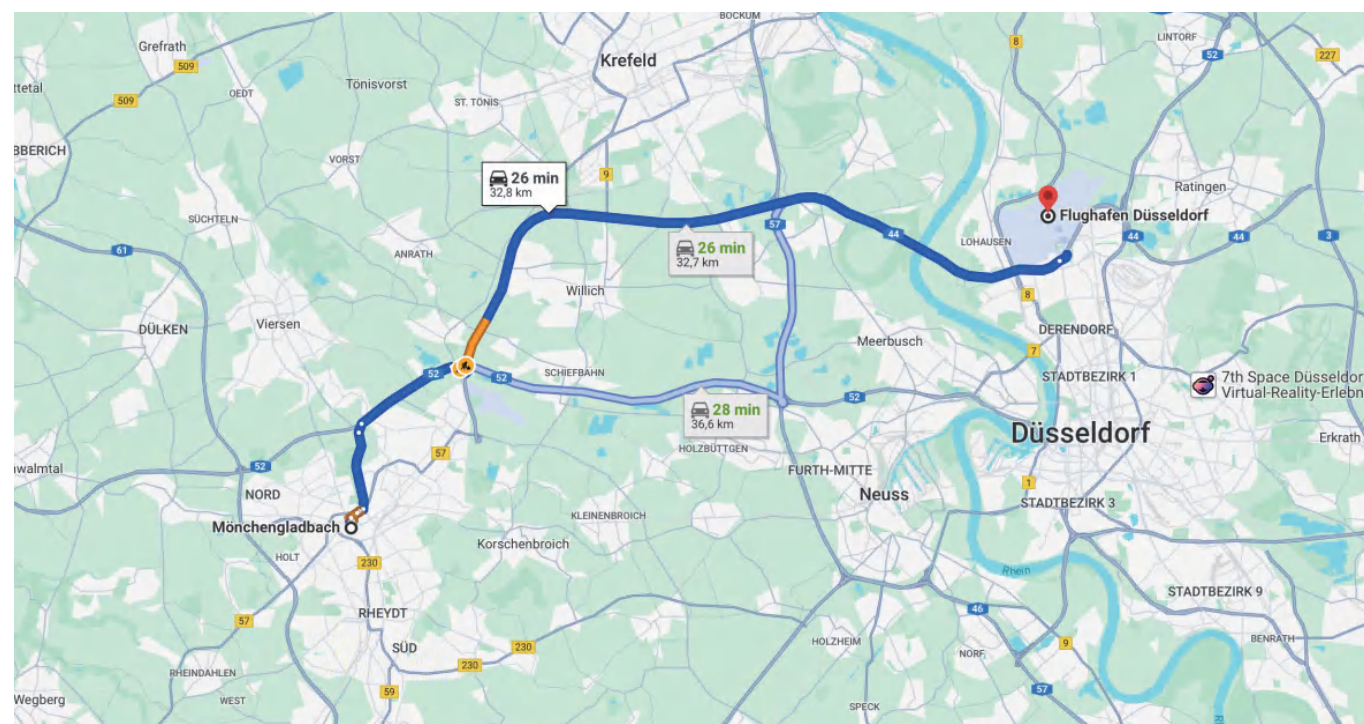


## A Green Pearl On the Niederrhein

Mönchengladbach shines with its renowned green spaces and parks such as the Bunter Garten and the Schlosspark Wickrath. A true landmark and the pulsating heart of the football club Borussia Mönchengladbach is the imposing Borussia-Park Stadium. The Abteiberg is a cultural oasis, which not only houses a captivating contemporary art exhibition but also presents a fascinating collection of modern art. Additionally, the city is known for its textile industry and its verdant parks



## TPS Mönchengladbach Location



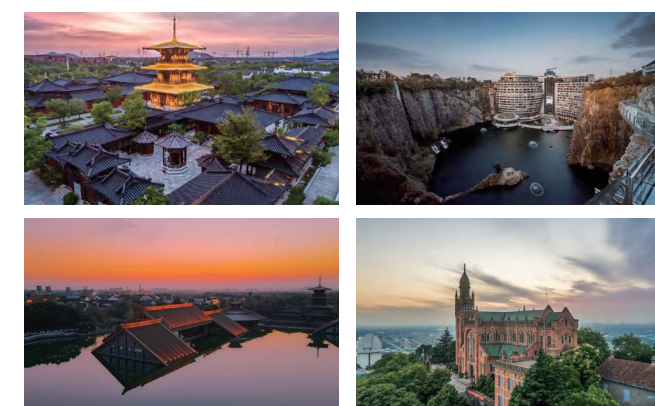
## TPS Shanghai, China

Songjiang is an administrative district located in the southwest of Shanghai. With a long history, rich cultural heritages and artistic resources, Songjiang District is forging ahead to build itself into an art hub, a capital of film and TV making, and a destination of cultural relics. And it is a place of living heritage, the district currently has many national-level intangible cultural heritages.

Songjiang, also known as Yunjian, is ideal for innovation, entrepreneurship investment and business. There are also a number of well-known universities and science and technology industrial parks, many cutting-edge scientific and technological achievements from here to the world, and there are also a series of first-class five-star resort hotels.

## Tourist Attraction

- Guangfulin Site of Ancient Culture and Country Park
- Chenshan Botanic Garden
- Zuibaichi Park
- Shanghai Film Shooting Base
- Shanghai Happy Valley
- Shanghai Sheshan International Golf Club



## TPS Shanghai Location

