



AUTOMATION



IT



AUTOMOTIVE



RESEARCH/  
DEVELOPMENT



SEMICONDUCTORS



AVIONICS



SOLAR/WIND



INDUSTRY

## The first years

Foundation 1972 by Ulrich Töllner

Development of a Function Generator series  
of highest quality and precision

A success story based on quality and reliability



## Constant Growth

Expansion of the Production and Development plant within a few years

Relocation to the new great building in Herdecke-Germany

Facilitation of R&D and Production because of an evidently growing portfolio of power supplies, function generators and frequency counters.



## Global Player with local obligations

45 years of experience with continuous progress in development and production

Consistently high quality expectations of employees and management secure the high quality of TCOELLNER® products

TCOELLNER® products are exported to 46 countries



**Today the brand TCOELLNER® represents:**

**Committed employees – modern production site**

**Reliable business partners and suppliers**

**Own on-site hard- and software development, in-house SMD production-line**

**TCOELLNER® will continue to meet the challenging expectations of its customers and offer innovative solutions.**



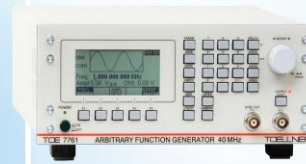
## TOELLNER® Range of products

Instrument series	Highlights
4-Quadrant Amplifiers	160W up to 6400W Source- and sink power – DC up to 100kHz/400kHz
High Performance Power Supplies	1kW up to 10kW
Arbitrary Power Supplies	160W up to 5200W – including WaveControl Software for Waveform generation
Function Generators	Up to 63W output power – DC up to 40MHz
Arbitrary Generators	Flash memory for up to 1 Mio. sample points
Laboratory Power Supplies	Linear and switch mode 150W up to 400W
Broadband Amplifiers	DC up to 5MHz – up to 63W output power
Electronic Switches	Up to 60V / 100A – tr/ta <500ns

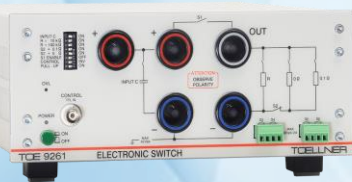
# TCCELLNER® Portfolio



- Laboratory Power Supplies
- High Performance PS
- Arbitrary Power Supplies



- Arbitrary Function Generators



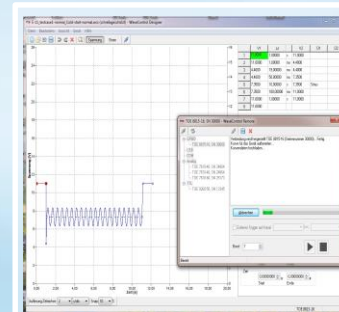
- Electronic Switches
- LF Isolation Transformer  
100A DC



- Function Generators



- 4-Quadrant Amplifier
- 4-Quadrant Power Supplies
- Broadband Amplifiers



- WaveControl Software for Waveform Generation

## TOELLNER® Range of application

Industry

Automotive

Research and Development

Avionic

Aerospace

Railway

IT-Industry

Automation

Photovoltaics

Laser

Particle Accelerator

General Electronics



# TCCELLNER® References



**BOSCH**

**Continental**  
The Future in Motion

**SIEMENS**



**DAIMLER**



**PORSCHE**

**AEG**

**AIRBUS**



**Krauss Maffei**

**KOSTAL**



**Lufthansa**



**Valeo**

**RUAG**



## Benefits for our customers

- ✓ **As a manufacturer with production and development in Germany, TOELLNER can implement customer-specific special requests directly and fast**
- ✓ **Price stability**
- ✓ **Just-In-Time Delivery**
- ✓ **Instrument stability** (minimum 10 years of 24/7 in the field without failure)
- ✓ **45 years** reliable customer – supplier relationship
- ✓ **Own on-site hard- and software development, in-house SMD production-line**
- ✓ **Individual Instrument configuration by modular ordering system**
- ✓ **Loan of complete systems** for temporarily application (Loan order)
- ✓ **Subsidiary and Partner companies will receive the same conditions**

## Benefits for our customers

- ✓ **Presentation of TOELLNER instruments on-site** by experienced sales engineers
- ✓ **Non-binding supply of new DEMO-units** for pre-sales evaluation
- ✓ **Service for retrofitting, calibration and repair**
- ✓ **Technical support on highest level**
- ✓ **In cases of emergency** – Replacement of single units within 24-48 hours ex works
- ✓ **Short ways for decisions**

## Accessoral Services

Calibration

Instrument-Update

Retrofitting of options/interfaces

Software-Update

Technical support

Special customized developments

Repair

**Precisely by tradition:**

**ISO-Certification according to DIN EN 9000:2001**



## Aspects in favour of TOELLNER®

-  **Developed and produced in Germany**
-  **Technical competence**
-  **Reliability**
-  **Top Service**
-  **Flexibility**
-  **Short ways for decisions**
-  **Special solutions for customer applications**



Product Quality

TCCELLNER<sup>®</sup> represents:

Quality Assurance  
Reliability of Production Process

Practical Problem Solutions

Delivery Reliability      Price stability

Trustful Cooperation

Active Invironmental protection

A stylized world map in shades of blue and white, overlaid with a network of glowing white lines and nodes, symbolizing global connectivity and technology.

**Thank you for your attention**

**TOELLNER Electronic Instrumente GmbH**

Gahlenfeldstrasse 31 · D-58313 Herdecke/Germany ·

Phone +49-2330 979191 Fax +49-2330 979197 · E-Mail: [info@toellner.de](mailto:info@toellner.de) · [www.toellner.de](http://www.toellner.de)