



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 TCÖELLNER® represents:

Committed employees – modern production site

Reliable business partners and suppliers

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

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

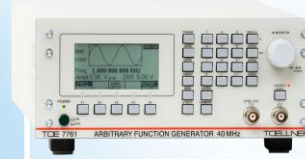


Instrument series	Highlights
4-Quadrant Amplifiers	160W up to 6400W Source- and sink power – DC up to 100kHz/400kHz
High Performance Power Supplies	1kW up to 10kW
Arbitrary Power Supplies	160W up to 5200W – including WaveControl Software for Waveform generation
Function Generators	Up to 63W output power – 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/tf <500ns

TCCELLNER® Portfolio



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



- Arbitrary Function Generators



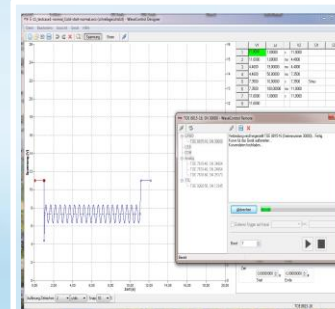
- Electronic Switches
- LF Isolation Transformer 100A DC



- 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

TOELLNER® References



BOSCH



SIEMENS



DAIMLER



PORSCHE

AEG



AIRBUS



Krauss Maffei

KOSTAL



Lufthansa



SENNHEISER

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**

Accessorial Services

Calibration

Instrument-Update

Retrofitting of options/interfaces

Software-Update

Technical support

Special customized developments

Repair

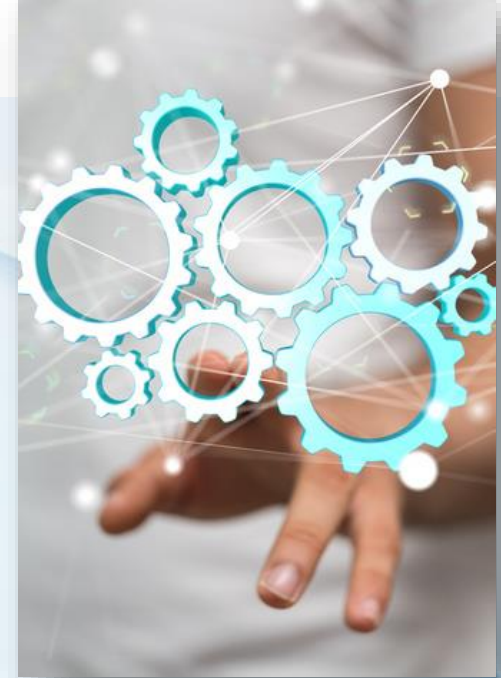
Precisely by tradition:

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® represents:

Quality Assurance Reliability of Production Process

Practical Problem Solutions

Delivery Reliability Price stability

Trustful Cooperation

Active Environmental protection

Thank you for your attention

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