Contract manufacturer with a passion

Top-quality production services and RF technologies

Rohde & Schwarz závod Vimperk, s.r.o.
Since 2001, Rohde & Schwarz Vimperk has been part of the manufacturing services at Rohde & Schwarz GmbH & Co. KG, a company with 9,800 employees worldwide, offices and representatives in over 70 countries and a net revenue of EUR 1.75 billion in the 2013/2014 fiscal year.

The Vimperk plant manufactures a portion of the product portfolio offered by the Rohde & Schwarz group, including measuring instruments, radio equipment, and cables and wire-wrap parts. Moreover, the plant assembles and tests printed boards, as well as measuring instruments and components for sound and TV broadcast transmitters. The plant has a full range of sheet metal working facilities including state-of-the-art presses, laser machines and surface treatment facilities.

The Vimperk plant can also handle production orders for you as an external customer and provide support for your products during all phases of the product life cycle. Our service portfolio for your products includes design, production and logistics.
We have a broad spectrum of state-of-the-art production technologies.

Based on our long-standing experience and advanced machinery, we can manufacture precision sheet metal and metal foil parts to meet your exact requirements. We handle the necessary design work to realize your requirements while working with you to jointly find the optimal overall solution.

Sheet metal work
- Laser cutting and punching of parts with dimensions up to 2500 mm × 1250 mm to 0.1 mm accuracy (TRUMPF NC machines)
- Plate straightening
- Bending on press brakes up to a maximum bending length of 2000 mm (TrumaBend)
- Drilling and threading
- Welding of ferrous and nonferrous metals (MIG, MAG, TIG)
- Resistance welding
- Nut, screw and spacer pressing and riveting of subassemblies (HAEGER machines)

Surface treatment
- Sandblasting with quartz sand
- Degreasing of parts made of diverse materials in automatic ultrasonic line (Clinstone D141)
- Aluminum yellow chromating for outstanding corrosion protection
- Aluminum passivation (SurTec 650)
- Wet coating including pretreatment
- Manual powder coating with electrostatic charging (corona treatment), including pretreatment
- Wide selection of RAL colors, structures and gloss levels
- Single or multicolor screen printing including negative screen printing
- Wide selection of screen printing inks
In the area of cable production, we provide our customers with solutions for every level of complexity.

Highly qualified teams take care of your project during all stages – from planning and design through to production of cables and wire-wrap parts. The manufacturing process will reliably meet your requirements in terms of quality and speed of delivery.

**Signal cables, cable harnesses**
- Cable design in line with customer requirements
- Testing of all cable types as required by customer

**Semi-rigid Sucoform cables**
- Metal cables of any shape for up to 67 GHz
- Bending machine for high bending accuracy
- Automated measurement of RF parameters

**Coaxial cables**
- Wide range of conventional RF connectors: SMA, SMB, SMC, SME, BNC, N, MCX, MMCX

**Flat cables**
- Short production and delivery times
- Electrical testing on automated test station
- Laser labeling of cables as required by customer
Rohde & Schwarz Vimperk plant
Printed board production

Rohde & Schwarz offers high-end technologies and innovative production support. Your products can benefit too.

- Prototype production under series production conditions
- Smooth conversion of diverse CAD data types into suitable format for production line
- You benefit from attractive terms we negotiate with component suppliers
- Single- or double-sided SMT board assembly
- Wide range of soldering techniques, including double-sided 11-zone reflow soldering and wave soldering, as well as selective dip soldering (all in a nitrogen atmosphere)
- Lead-free and lead-based soldering processes
- Internal manufacture of production tools
- Board cleaning in automated portal washing system
- High-precision board testing and inspection
  - Automated inspection, simple visual inspection, X-ray analysis
  - In-circuit testing, flying probe testing, boundary scans, digital and analog functional testing, environmental stress screening and many other test procedures
- Wide range of challenging applications
  - Signal generation, processing and measurement
  - Digital systems (coders, synthesizers, modulators, processors)
  - High-performance applications
  - In-system programming, calibration and logging

- State-of-the-art manufacturing facilities for large and small production series
- Exceptional flexibility for all batch sizes, ensuring smooth integration of external orders
- Printed board assembly for board sizes from 50 mm × 30 mm to 530 mm × 450 mm
- Products optimized in terms of quality, cost and manufacturing/test technologies employed
We offer custom-tailored solutions for production planning and develop automated and semi-automated measurement procedures and systems. We will find for you the most efficient manufacturing processes, always keeping an eye on costs.

We provide you with individual consulting and support. Based on an iterative adaptation process, we use our expertise to meet your requirements, ensuring top quality and fast availability for your products.

- Final assembly of systems including commissioning and testing on lines or at individual workstations
- Assembly of mechanical components, mechanical and electrical systems and special-purpose machines
- Planning, design and implementation of test systems for production and service

Rohde & Schwarz
Vimperk plant
Final production

We offer comprehensive customer solutions for final production and commissioning of mechanical, electrical and electronic assemblies, equipment and systems.
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