

ODU System Solutions – everything from one source



A connection you can count on!



Every connection also needs its cable. Make no compromises here when it comes to the quality of the complete connection system. ODU gives you the complete system solution from one source, with no intermediary suppliers.

Cable assembly is a very complex subject. It requires equal measures of expertise in the areas of connectors, cables and assembly. ODU meets all these requirements in full.

Our competent assembly team tests the complete system to your specifications. Our assembly service promises you the same quality found in our connectors – without compromises.

Advantages for the customer

- Close cooperation with our customers to find the optimal solution
- ODU handles the complete processing, from procuring the cable to procuring connectors from other companies and assembly up to individual extrusion or potting
- No one knows our products better than we do – no one knows how our products have to be processed better than we do
- Close cooperation and experience with well-known cable manufacturers
- Assembly of all standard lines, as well as special lines such as hybrid cable
- Assembly of extruded cable crossovers
- 100% inspection – systems can be used at the customer without testing
- Various potting options for a water-tight or vacuum-tight system
- Production acc. to Medical Certification ISO 13485 : 2003 + AC : 2007 possible

Everything from one source!



We handle everything for you – consultation, problem analysis, project planning, development, prototype construction with first sample test report, assembly, technical documentation – in short, all the jobs involved in creating a system solution.

Our outstanding supplier management system allows us to find the right cable for each customer – whether it's a standard line or a special cable. We can connect almost every cable.

Our company's global presence allows us to produce all projects, from small scale to large scale production, within the group swiftly and flexibly, and above all in constant quality.



Not every company offers you all this:

- 100 % final inspections
- Inspections, such as crimp monitoring, during production
- Production in clean room acc. to EN ISO14644-1 possible
- Automatic processes (cutting, stripping, attaching)
- Automatic crimp processing of turned and stamped contacts
- Extrusion possible with a hot-melt and high pressure/temperature process
- Ultrasound welding
- EMC-compatible assembly
- Customer-specific labeling
- Widest range of potting possibilities for sealed systems
- Extruded cable crossovers possible



Advantages for the customer

- Ultra modern manufacturing facilities in Mühlendorf (Germany), Shanghai (China), Sibiu (Romania) and Camarillo (USA)
- Reliability thanks to our company-wide quality strategy
- Products with durability and functional reliability
- Production to UL (file: E333666) possible
- Inspections, such as crimp force monitoring, during production

Everything from one source!



ODU is one of the most innovative and successful manufacturers in connection systems. We develop and manufacture a broad spectrum of system solutions and custom applications on the basis of turned and stamped contacts for transmitting power, signals and media such as gas, light or fluid.

From circular connectors with push-pull locking through modular attachable rectangular connectors to robust circular connectors – ODU supplies everything.

We offer all of our standard product series with individual customer-related assembly. This ensures that you get the “complete package” from one source, with no intermediate supplier. Common error sources can be avoided because we have comprehensive know-how and years of experience in all necessary areas.

ODU connector systems offer clear benefits:

- Very large number of mating cycles for economical requirements
- Absolute contact reliability
- Easy of use for quick action
- Unmistakable connector position for reliable work
- Easy-to-see recognizability for faultless handling
- High ampacity

Advantages for the customer

- More than 60 years of experience
- Sole-supplier to over 100 companies around the world
- Know-how from approximately 30 development contrats each year
- Medium-sized business with a high level of motivation and flexibility
- We make our customers successful

Customized fits better!



Customized Solutions

You are looking for a connector which is not already available on the market? No problem:

Our motto is:
“If it’s not out there yet, we’ll work with you to develop it!”

Engineering standards today can’t keep up with product developments. The global demand for custom-tailored connectors is growing, in spite of all the standardization.

And so there’s more and more work for the “custom tailor”. Because the emergence of completely new applications and requirements calls for the ideal solution for the specific application, instead of an approximately suitable standard.

Advantages for the customer

- Exact implementation of the specifications for the particular application when it comes to design, function, costs and exclusivity
- Protection in the accessory and spare part market
- Reduced costs for a large number of units
- Protection against imitation
- Use of special know-how

Keep an eye on your expenses!



Disposable Systems made by ODU

It is often more economical to use a new connection system than to sterilize or autoclave one that has been used. And so we have developed two product series with extremely economical costs.

ODU MEDI-SNAP – Disposable Break-Apart Plug

- Available colors: black/grey/white
- Pluggable with standard ODU MEDI-SNAP receptacles and in-line receptacles
- Mechanical keying possibilities
- Up to 14-positions
- Assembled with PVC cable white/cable UL Style 2464
- Available in cable lengths: 0.25 m/0.5 m/0.75 m/1 m/2 m
- ETO sterilizable
- DEHP free
- Wipe disinfection
- 0.9% NaCl resistance



ODU MINI-MED – Disposable Break-Apart Plug

- Extremely space saving
- Up to 6-positions
- Protection class IP 68 in mated condition
- Mechanical keying
- Mating cycles: 5.000
- Blind mateable
- Assembled with PVC or silicone cable
- Available in cable lengths: 0.5 m/1.0 m/1.50 m/2.0 m/3.0 m/5.0 m
- ETO sterilizable
- DEHP free
- Wipe disinfection
- 0.9% NaCl resistance



Both product series will be delivered as complete systems incl. cable, overmolding and cable assembly. Additional information available from www.disposable-connector.com

Profit from our know-how!



There's not only one way, there's your way!

Innovative products and approaches to solutions with high customer value ensure the success of your company and ours, sustainably and for the long term.

Is your market ready for innovations, too?

ODU know-how is used in medical technology, measuring and testing engineering, industrial electronics, telecommunications, security and military technology, systems for renewable energy and traffic engineering.

Custom-orientation takes absolute priority at ODU, because customer proximity and trust are our most sustainable competitive advantages, next to the outstanding performance of our staff.

Arguments for ODU:

- Continuous growth within the last years
- About 600 employees in Mühldorf am Inn
- more than 200 employees in seven subsidiaries in France, Great Britain, Romania, Sweden, the USA and two in China
- Certified under ISO 9001, ISO TS 16949, ISO 13485 : 2003 + AC : 2007 also VDE, UL, SCA, GV, MIL
- All technologies under one roof:
Design and development, tool manufacturing, injection molding, stamping, turning, electroplating, assembly automation and cable assembly.

Advantages for the customer

- Customer proximity – close cooperation throughout all project phases
- Flexibility – swift reaction to customer requests
- Employee motivation – highly motivated and qualified employees are our assets

ODU globally – *for a good connection*



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ODU's headquarters and factory are located in Mühldorf at the river Inn, approximately 50 miles east of Munich, at the foothills of the Bavarian Alps.

