



Expertise in all aspects of robots

Robotec Systems

The Company

Robotec Systems is a producer of conduit packets and provider of speciality cables for robots and media hoses. Our highly specialised team can be commissioned to design, produce, document and install your system. Robotec Systems is a partner of leading automotive manufacturers.

The company, founded in 1998 in Kamp-Lintfort, has been part of the Murrplastik Group since 2006. An ideal merging of two strong partners. Murrplastik, a major producer of cable-related products with global sales reach, and Robotec Systems, a specialist for conduit packets for outfitting robots.



Robotec Systems, Kamp-Lintfort



Murrplastik Systemtechnik, Oppenweiler



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Development and production

We take service seriously. By request, we'll assemble our products for you and assume servicing and preventative maintenance responsibility as well. That guarantees a maximum service life and ensures timely replacements.

You in turn gain peace of mind against expensive production downtimes. A skilled assembly team will be available for you, worldwide. Our global sales network stands ready as well. Only the briefest time is needed for our products to be safely on their way to you.

Representatives and partners on all continents round out the well-oiled service palette provided through the Kamp-Lintfort office. Activity on the global scale is a given for us, and allows us to maintain a permanent presence on the world market.



Conceptual design

Our employees work with our customers to create various solution concepts that account for all possibilities and desires.

Development

Our specialists develop the individual conduit packets and configure them with corresponding electrical cables, conduits and plugs.

Prototyping

By request we will produce prototypes to be used for functional and service life testing in test installations.

Documentation

By request we will assume responsibility for the documentation of the conduit packets, including illustrations.

Assembly and optimisation

Our assembly team will by request assume responsibility for the installation of the conduit packets.

Maintenance

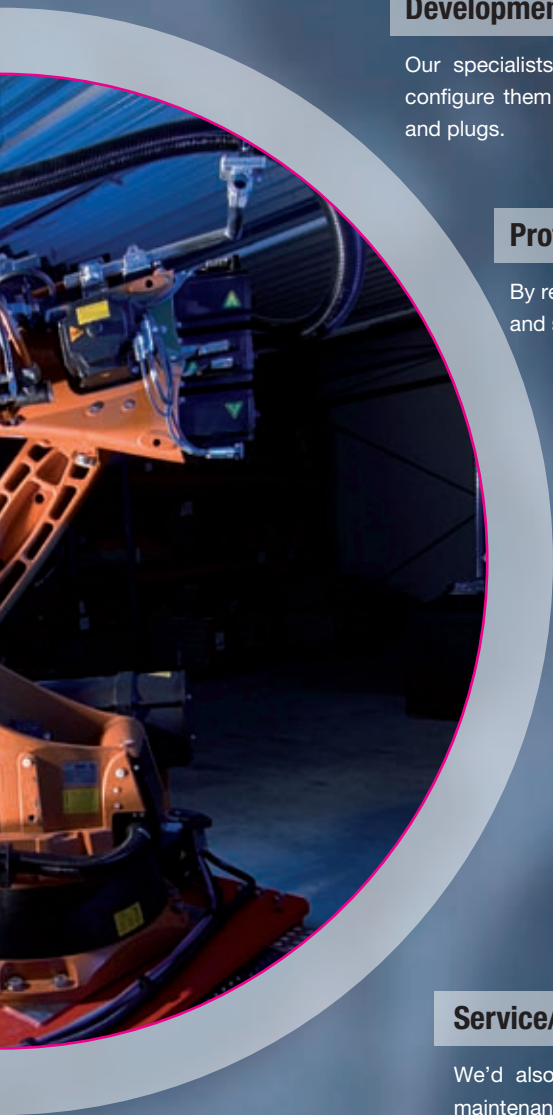
If problems arise, we can by request assume responsibility for repairs and/or replacement of the conduit packet.

Service/preventative maintenance

We'd also be glad to take over servicing and preventative maintenance.

Replacement parts

Our warehouse of inventory ensures prime availability and short delivery times.



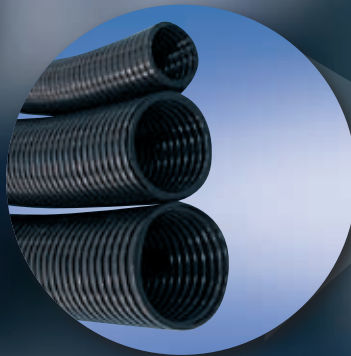
Support pieces

Achieve freedom of movement through fastening elements. Nothing comparable in robotics. Robotec Systems' well thought out range of support components allows your robots to have the necessary freedom of movement for high working speeds and precision repeat accuracy over long service periods. We combine universally applicable fastening elements for all standard robots into individual designs that provide a basis for the hydraulic, pneumatic and electronic components on the energy packets.



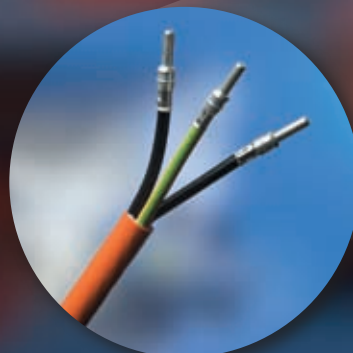
Corrugated conduits

Cable protection conduits for bundling and protecting cables. Murrplastik's specially developed cable protection conduits for extreme robot applications can stand up to stress and movement. Specially modified materials and special conduit geometry ensure optimal protection and long lives.



Cables

The most extreme specifications demand cables in absolutely specialised configurations realised through the use of high-quality materials. These robot conduits, capable of handling all corresponding torsional and alternative bending forces, are particularly well suited for automated assembly processes with 3D movement. We are capable of providing you with individualised solution concepts for almost any specification and area of application. By request we can also produce special cables of longer than 100 m in length.





Media hoses

Reinforced 2-layer self-adhesive polyurethane hoses for industrial applications.

These hoses are particularly designed for configuration of robots and machine components and are particularly well suited as transmission media for water, air and gasses.



Plug

Plastic-coated plug series

Advantages:

- Vibration protection
- Flexible protection against kinks
- Plug designed to provide IP 67 seal
- Integrated strain relief
- Variable cable diameters
- Pre-assembled to desired length
- Straight and angled cable junctions
- EMC protection through metal casing in core
- Electrical inspection: 100% tested quality
- Plugs match all standard systems
- Can be rotated + - 90°
- Suitable for use in foodstuffs industry



7 axis robotracks

In early 2005, Robotec Systems GmbH expanded its operations to include the production of linear/travel units, or as we call them: robotracks. One constant for Robotec: our dedicated employees, our precise assembly and our innovative engineering. Our goal is to continually provide our customers with only top quality.

Robotec Systems GmbH

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