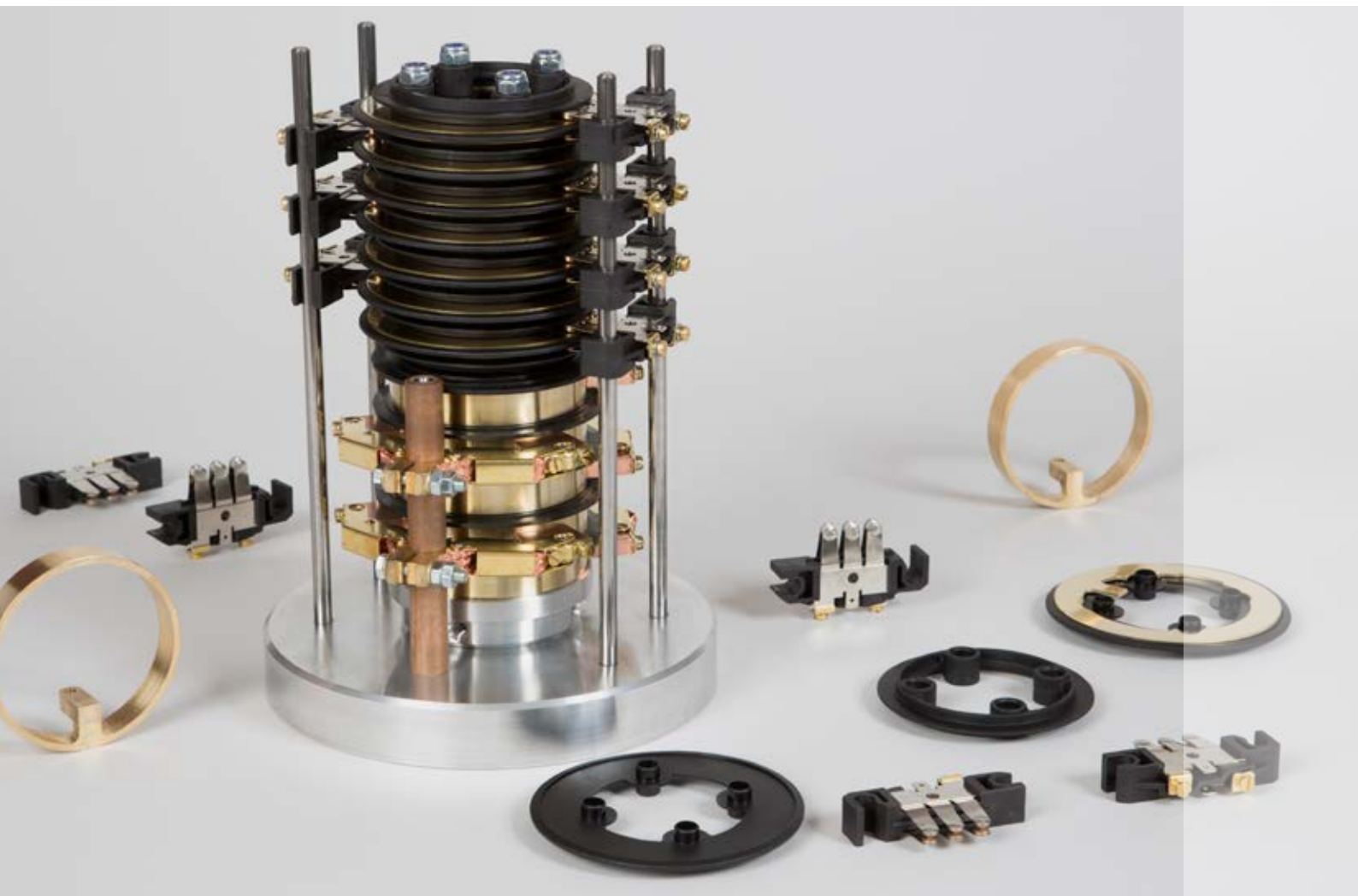


Components for Current transmission systems



Create a reliable future.

For over 60 years.

We are a supplier of current transmission solutions specializing in carbon brushes and carbon brush holders. Listening to our customers is one of our specialities; as your development partner with expert know-how we deliver exactly what is needed. Fast, reliable and at a fair price.

Because we build our own tools and manufacture almost all components in-house we are your ideal partner; from small quantities all the way to average and large series. We implement special designs gladly and efficiently.

Your advantages at MACK

- Friendly and competent contact partners
- Extensive program for immediate delivery
- Easy implementation of your individual special requests
- Small and large series production
- Development partners with expert know-how
- Excellent quality and reliability
- Company own machinery with a high vertical range of manufacture
- Company own tool and mould making

Our products –

As diverse as your ideas.



Carbon brushes

Proven standardized types and individually produced special solutions - our diversified range of quality brushes equipped with different fittings is the basis for a wide variety of transmission purposes. By using efficiently coordinated manufacturing methods we are able to produce small quantities as well as large series, we can deliver urgent orders as quickly as possible or directly shape and mould large quantities.

- Industrial carbon brushes
- Small carbon brushes
- Contact shoes
- Metal gauze brushes

Carbon brush holders

Leg brush holders with fixed or self-aligning brushes as well as a variety of brush-holders with different kinds of clamps offer a broad range of products for the transmission of sensitive data culminating in products that are under high constant use. Each available installation situation can be optimized, e.g. by special plastic types, with bend legs or divided clamps. We offer our tubular brush holders with different kinds of connections, they consist of drawn brass or brass sheet. Depending on their usage, they can be equipped with different insulation materials.

- Leg brush holders
- Brush holders with clamps
- Brush holder bolts
- Self-recoiling springs
- Tubular brush holders
- Small slipping systems
- Flange brush holders
- Brush rockers



Terminal boards

We use different moulding materials in the production of our terminal boards. In our assortment of round or oblong holes, different measurements and bolt sizes you will find a suitable terminal board including the joining materials.

Copper compound parts

We offer fixed, individually formed copper rails or flexible round and flat heads in single- and multiple layered versions to suit your needs; naturally they are also available with different insulations, insulation classes and surfaces.



Current transmission systems

Please find out more about our capabilities and products on the following pages.



From the first idea all the way to serial production.

Our capabilities

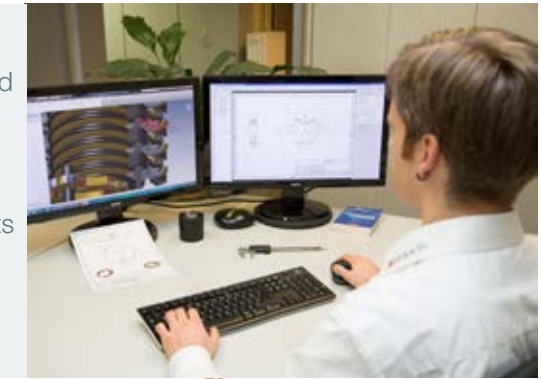
Communication



- Competent consultation right from the start and professional support with technical questions
- Continuous support from the first idea all the way to the finished product

Construction

- Development of components for individual ranges of applications and installation situations
- Redesign of existing parts
- Optimal matching of all components
- Creation and adaptation of CAD drawings and 3D models



Production

- A wealth of experience and special knowledge in the production and development of carbon brushes and sliding contacts
- In-house manufacturing of turned and milled components
- In-house injection moulding facility, processing of plastic components for the widest variety of uses



Tool making



- In-house tool and mould making
- Expert know-how in the processing of metal, plastics and carbon brushes
- High flexibility and optimum adaptation for the demands of subsequent manufacturing steps

Assembly



- In-house assembly by highly-qualified employees
- Continuous guarantee of dimensional accuracy and functionality

Quality assurance

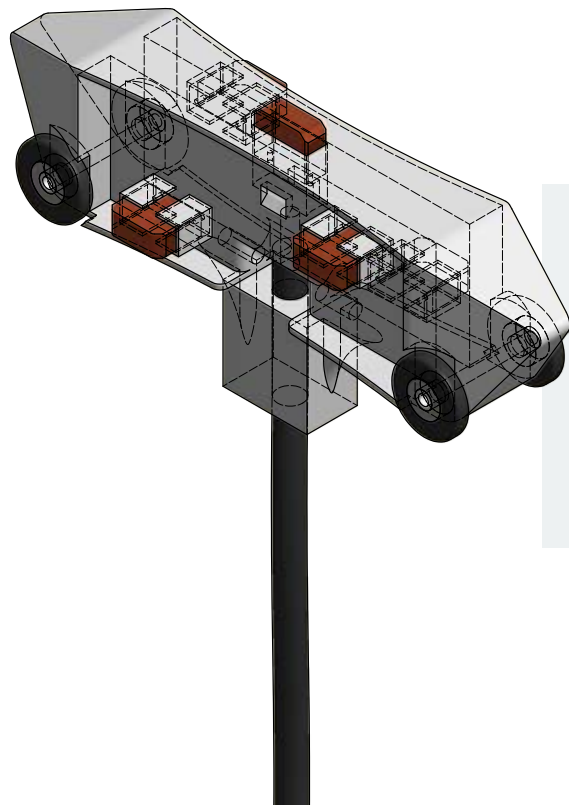
- Established quality management certified in accordance with DIN EN ISO 9001-2008
- Precision and process reliability ensured by modern machinery



Individuality is our standard.

Components for current transmission systems

Current collectors



- Various forms, numbers of poles and designs available
- With individually composed carbon brushes
- Designed for the specified performance requirements
- Completely assembled

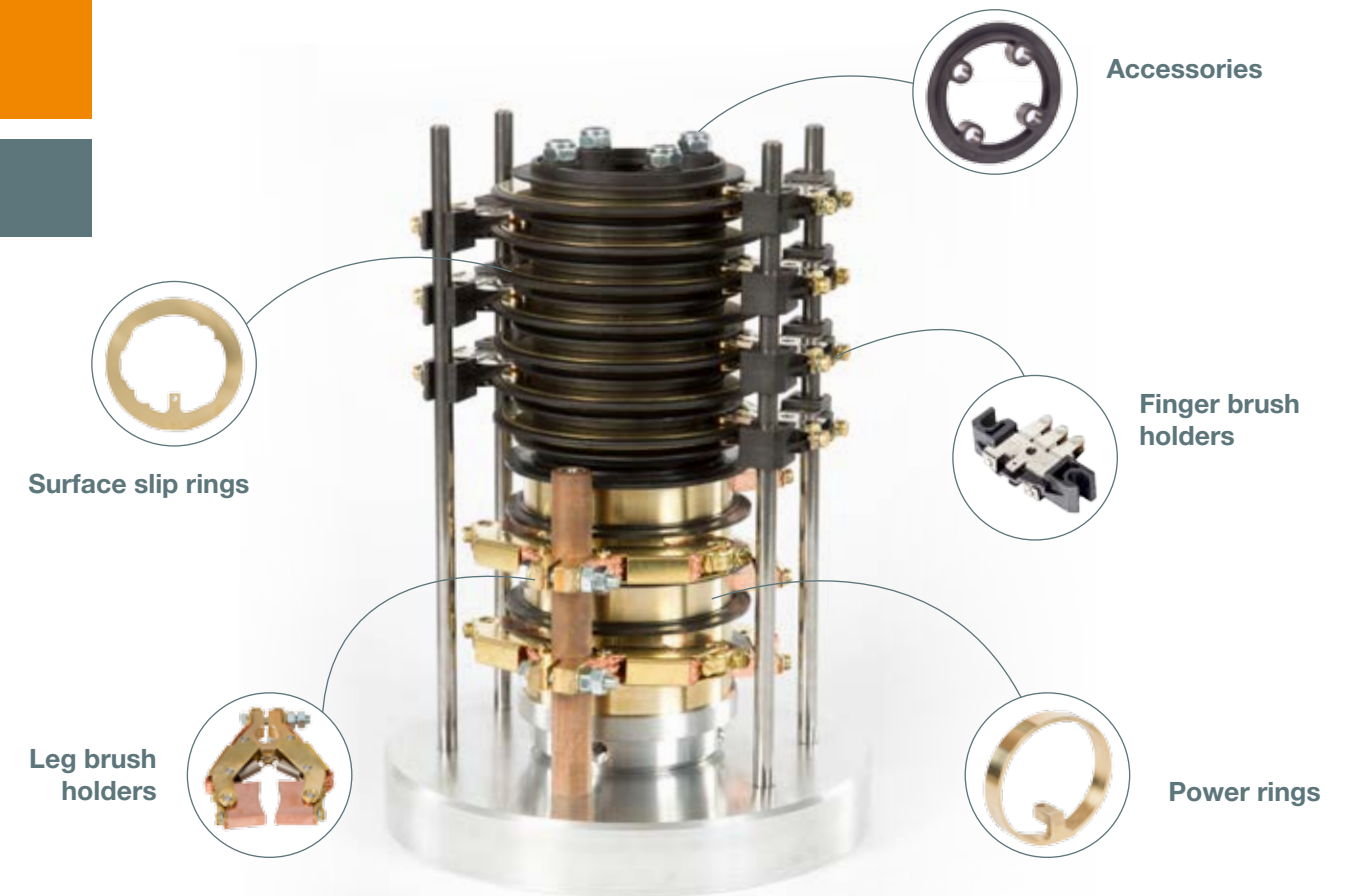
Contact shoes

- Diverse range of designs, forms and materials
- Can be pressure-coated with plastic



Linear transmission

Modular slip ring systems



- For energy and data transmission
- Individual solutions via modular construction
- Refitting and replacement of single modules possible
- Components with custom measurements available on request
- Flexible solutions for a broad range of different installation situations

Slip rings



- Different designs and dimensions available
- Special solutions with different types of connections, relief grooves or keyways possible

Rotary transmission



Carbon brushes • Carbon brush holders

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