

CONTACTS PARTS

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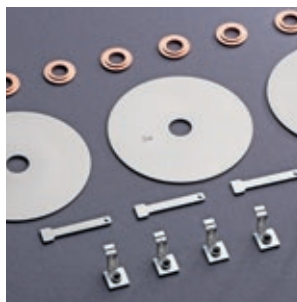
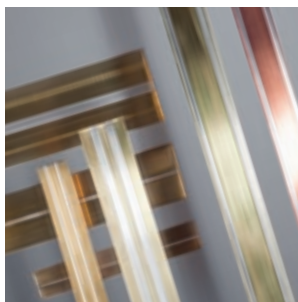
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PRE
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SAXONIA[®]
EDELMETALLE

Thanks to its expertise in the manufacture and processing of contact materials SAXONIA can offer you a wide range of contact parts, contact rivets and pads, contact profiles and precision stamped and bent parts – manufactured individually according to your wishes. With decades of experience in the processing of precious metals and their alloys, our contact and stamped parts are used in a variety of

sectors – such as in switching and control engineering, electronics and electrical engineering, telecommunications and safety technology as well as in the automotive industry. Upon request, we also manufacture complete assemblies to your specifications, galvanised, mounted or plastic coated. We can also assist you from the design of the parts via the selection of the materials, the production and testing of the parts.



CONTACT PARTS, CONTACT RIVETS AND PADS

SAXONIA provides you with a wide range of contact parts and high-class contact rivet and pads for switching devices and relays – individually according to customer drawings.

- /// Individual contact rivets in solid form or as bi- / trimetallic rivets
- /// Contacts as welded, riveted or soldered complete solutions
- /// Contacts as a stamped and bent part of a contact profile, pre-fitted with contact material
- /// Contact pads as welded contact (wire cut or platelet)
- /// Welding contacts by resistance or laser welding on the solid or pre-stamped carrier material
- /// Soldering contacts to solid or pre-punched carrier material using resistance or induction soldering

Our contact parts are available in different finishes:

- /// With / without contacts, threading and inserting screws
- /// Galvanised with tin, zinc, or precious metals like silver, gold, for improving conductivity or corrosion protection

Our contact parts are available in the following forms:

- /// In bulk or contacted strip on coil

Carrier materials	Thickness	Width
Copper and copper alloys (E-Cu / CuSn / CuZn / CuAg / CuBe)	0,3 ... 15 mm	4,0 ... 200 mm
Contact materials	Thickness	Width
Ag99,97 / AgNi / AgCu / AgSnO ₂ / AgC / AgW / CuW / W / AgSnO ₂ In ₂ O ₃	0,2 ... 10 mm	0,2 ... 15 mm

Other materials, combinations and dimensions are available upon request.

CONTACT PROFILES

Seam-welded contact profiles from SAXONIA are produced in up to 4 layers on a Roll seam welding machine as inlays or toplays. They are used as semi-finished products in the processing industry, or as an intermediate product for our own contact-part production.

Carrier materials	Thickness	Width
Copper and copper alloys (E-Cu / CuSn / CuZn / CuAg / CuBe)	0,3 ... 2,0 mm	12,0 ... 60,0 mm
Contact materials	Thickness	Width
Ag99,97 / AgNi / AgCu / AgSnO ₂	0,2 ... 3,0 mm	0,65 ... 6,0 mm

Other materials, combinations and dimensions are available upon request.

MILLING AND TURNING OF CONTACT PARTS

SAXONIA's milled and turned parts are manufactured on our state-of-the-art, high-performance CNC-controlled milling and turning centers according to individual customer specifications. Combination processes involving soldered or welded contacts, or subsequent electroplating or surface treatment (e.g., sandblasting), are also feasible

Materials	Working area of the milling machine	Working area of the turning machine
Copper and copper alloys (E-Cu / CuSn / CuZn / CuAg / CuBe))	520 x 300 x 360 mm (X Y Z)	310 x 310 mm (Ø x X)
Aluminum	520 x 300 x 360 mm (X Y Z)	310 x 310 mm (Ø x X)
Steel	520 x 300 x 360 mm (X Y Z)	310 x 310 mm (Ø x X)
Silver (Ag 99,97 / AgNi / AgCu / AgSnO ₂ / AgC)	520 x 300 x 360 mm (X Y Z)	310 x 310 mm (Ø x X)
Tungsten (AgW / CuW / W)	520 x 300 x 360 mm (X Y Z)	310 x 310 mm (Ø x X)

Other materials, combinations and dimensions are available upon request.

STAMPED AND BENT PARTS

Stamped and bent parts from SAXONIA are produced on our high-performance stamping machines to individual customer requirements.

Our stamped and bent parts are available in different finishes:

- /// Threaded or screwed
- /// Galvanised with tin, zinc, or precious metals like silver, gold, for improving conductivity or corrosion protection

Our stamped and bent parts are available in the following forms:

- /// In bulk or stamped strip on coil

Materials	Dicke	Breite
Copper and copper alloys (E-Cu / CuSn / CuZn / CuAg / CuBe)	0,2 ... 5,0 mm	0,65 ... 200 mm
Nickel and nickel alloys	0,2 ... 3,0 mm	0,65 ... 200 mm
Thermo bimetals	0,2 ... 3,0 mm	0,65 ... 200 mm
Steel, plated steel	0,2 ... 4,0 mm	0,65 ... 200 mm

Other materials, combinations and dimensions are available upon request.

TOOL MANUFACTURE FOR CONTACTS AND STAMPED PARTS

SAXONIA not only makes finished contacts, stamped and bent parts, but also designs and manufactures all of the tools needed for in-house production. All the facilities for various production processes are available, such as EDM and wire cutting, surface grinding, milling and turning. Of course, our tools are regularly checked before and after use, and maintained so that trouble-free application is guaranteed in our production at any time.



PRECIOUS METAL MANAGEMENT / SERVICES

- /// Fixing of precious metal
- /// Holding and administration of metal accounts
- /// Procurement of precious metals
- /// Price information
- /// Refining of wastes containing precious metal
- /// Plastic overmolding of parts
- /// Electroplating of parts
- /// Assembly through to complete sub-assembly
- /// Collection of customer material

MEMBER OF THE SAXONIA GROUP



LONDON
PLATINUM &
PALLADIUM
MARKET



LBMA
GOOD DELIVERY
REFINER



SAXONIA[®]
EDELMETALLE

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