

## Vogt AG Verbindungstechnik – creating connections

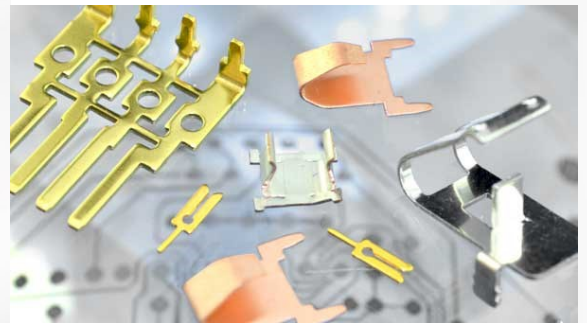
### Vision

True to our statement **creating connections**, we are the most well-known and competent manufacturer in the field of electromechanical connector systems. As solution provider, we are **the** long-term technology partner for our customers.

### Plastics Processing



### Stamping



### Tube Processing



### Wire Processing



Since 1962 Vogt AG has been a leading European producer of **fine-tube precision parts**, **precision stamped parts** and **plastic-metal components**. Our views on quality are paired with an environmental approach which is applied consistently in the manufacturing processes and which strives to ensure that raw materials are used in a way favourable to natural resources.

## Special products

We can manufacture specific products in-house to customers' exacting requirements. These products can be tailored to meet your needs precisely.

### Hybrid

In our plastic injection-moulding department we primarily process thermoplastics and thermoplastic elastomers. Our areas of expertise include the manufacture of anything from free-falling parts to complex hybrid parts (otherwise known as plastic/metal composite parts). If we are able to introduce our expertise at an early stage during product development, we can optimise the production process and produce this type of complex component economically.



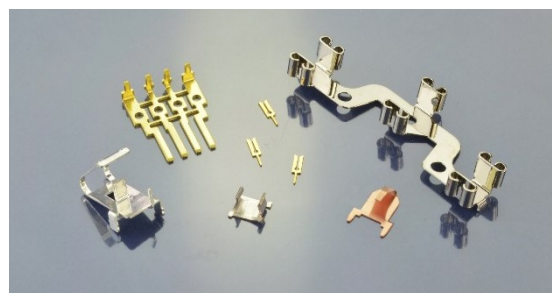
### Tube

The manufacture of fine tubing encompasses sawing, reshaping (crimping), chamfering, widening, slitting and deforming. Thanks to our great precision we are able to produce alternatives to turned parts. Using the above techniques, we produce products including spacer tubes, crimp sleeves, wire end ferrules and tubular rivets. Downstream processes include annealing, vibrating, barrel finishing (otherwise known as vibratory finishing) and cleaning of parts.



### Stamping

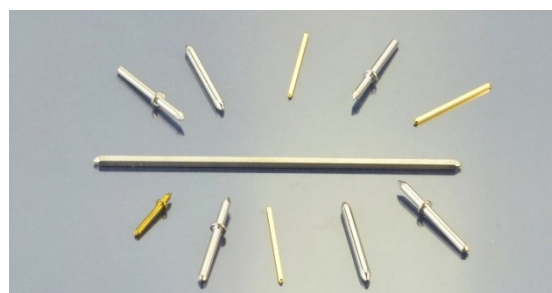
Using tools from our own toolmaking shop, we produce stamped parts of the required quality that conform to your needs and specifications. Thanks to our high level of standardisation we can extremely quickly construct stamping tools that are designed for an agreed output and for the life cycle of the product. We manufacture copper bands, copper alloys, steel and stainless alloys in thicknesses of up to 2.5 mm.



### Wire

We manufacture round or angular profile wire from coils of common metals including copper, copper alloys, aluminium, steel or stainless steel using purpose-designed equipment.

The forms we can produce range from straight wire parts to products with a crimped collar or forms shaped to the customer's specification. Curved wire components can also be produced. The wire parts are finished in subsequent process steps. They are then used either as standalone parts or as constituent parts in components such as pin strips.



## Standard products

You are guaranteed to find the product you are looking for among our range of more than 20,000 items for electromechanical and press-fit technology.

### Riveting technology

Rivets permanently connect two form-locking materials together without any surface damage. This plastic rivet deformation is used in various applications and, in addition to the material, depends on head shape, diameter, length and wall thickness. The manufacturing is carried out with common metals in accordance with the typical DIN standards or specific requirements. Blind rivets and blind rivets nuts in the sizes M3 to M6 complete the product line.



### Mechanical construction elements

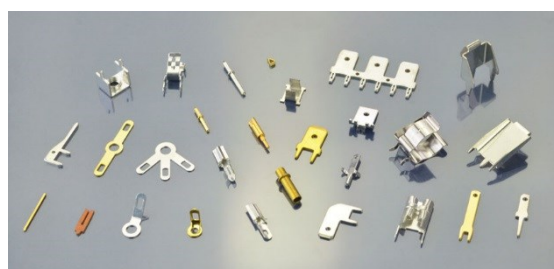
Spacer bolts lock individual components at a defined distance. They are usually attached by internal and/or external threaded fittings. Metal and plastic elements or a combination of both are used for this.

Spacer sleeves serve as pure spacer elements. The crimping sleeves are identical to the spacer sleeves in appearance with the difference being that they also – due to the soft materialisation – can be used for crimping.



### Circuit board contacts

Circuit board contacts in the most diverse shapes and all common materials make up a key segment of our product range. Lead-free tin-plated surfaces for reflow, vapour-phase, or wave soldering have been included in the standard design for more than 20 years. We also carry SMD components along with conventional THT or PTH mounting contacts in our product line. Insulation displacement technology and pressing technology (EloPin®) complete the assembly products



### Cable connections

The production of cable connectors has a long tradition at Vogt AG and has been one of the company's core competencies ever since it was established. In this process, correct crimping ensures a uniform and not easily broken connection between a conductor and a connection element, which guarantees a high level of electrical and mechanical safety. The selection of crimp and press-fit contacts is highly diverse, with most being UL listed or meeting the typical standards. We differentiate between fully, partially, and unshielded cable connection parts such as cable lugs and blade receptacles.

