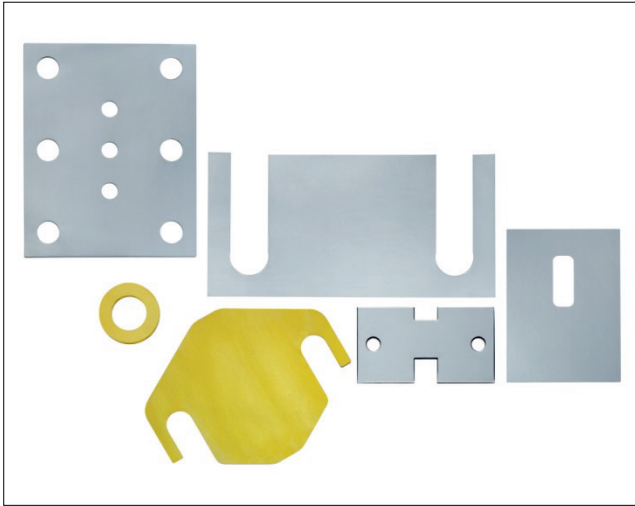


PRESS INFORMATION

External Supply System / Construction / Assembly Technology / Sheet Metal Working

The new stamping parts from 0.010 mm thin metal foils

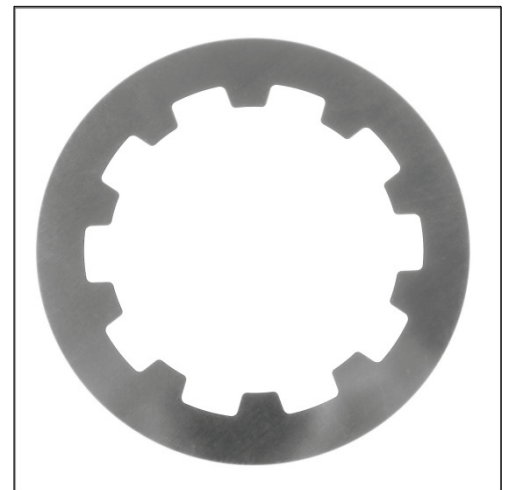
The economical alternative to laser cutting and chemical etching



Measuring only 0.010 mm, the new film in the M-Tech®S product line from Georg Martin is given its application-specific shape and form by means of high-precision die cutting.

processes quite considerably. Only 0.010 mm thick, these stainless steel or brass shims of the product line M-Tech®S are used for fine adjustment in the assembly of components and sub-assemblies, thus making expensive and elaborate grinding work unnecessary. In addition to this, by developing innovative precision tools, Georg Martin is also able to stamp high-precision, customer-specific shapes into this wafer-thin film. Precision stamping of this kind has proven to be a much more economical alternative to laser cutting and chemical etching, especially where simpler shapes and forms are required.

Used properly from an early stage, the shims have a positive effect on the entire value-added chain of a sub-assembly, from construction through assembly to maintenance. Typical areas of application for the new M-Tech®S metal film are the alignment and adjustment of transmission units and precision mechanical components. They are also ideally suited for the tolerance compensation of roller bearings or membranes in fluid power technology. With the help of precision die cutting and punching, high-precision shapes and forms are produced, such as those required for flanges with drill holes. Precisely fitting masks for coating technology applications, as well as wear protection and sacrificial films, can also be produced at a low cost in line with customers' specifications with the new M-Tech®S.



Georg Martin GmbH is presenting new shims for tolerance compensation. The gossamer thin metal films of the product line M-Tech®S are made of stainless steel or brass and have a thickness of only 10 micrometres (0.010 mm). The shims are produced as customer-friendly shaped parts and are perfectly adapted to suit each application by means of high-precision die cutting. The metal films are an economical alternative to laser cutting and chemical etching. By using them, the user saves time and money not only during the manufacturing process but also where maintenance is concerned.

Wherever components have to be joined together to form functional units, metallic shims from Georg Martin provide the necessary precision – and normally prolong the entire life cycle of technical units. The latest development of the German manufacturer also serves to simplify the assembly and maintenance