

PRESS INFORMATION

Lean Management/ Assembly Technology/ Supply System/ Sheet Metalworking

Quick Final Assembly and Cross-Process Savings Effects

Shims for tolerance compensation score points as a lean management tool



M-Tech®L laminated shims contain up to 64 laminated foils (25 to 100µ) with total thickness range of 0.50 to 3.20 mm which can be peeled off to the required tolerance.

No matter whether in Purchasing, Construction, Production, Maintenance or Service, as soon as companies start using shims from Martin to compensate tolerance, they register reduced effort and costs.

Many sub-assembly manufacturers still use grinding technology to compensate tolerances, thus tying up expensive personnel and machine capacities which could be used much more productively for the installation of shims. At the same time, assembly can be planned more precisely and carried out much more quickly. Processes become "leaner" before and after

assembly because constructors do not have to calculate total tolerances; all they have to do is define which shims are to be inserted at which

points. They have lots of design leeway here, because the materials steel, stainless steel, aluminium, brass, PET and composite solutions are available for selection in three product lines. M-Tech®L consists of up to 64 laminated films (25 to 100µ) with total thicknesses of 0.50 to 3.20 mm, which can be peeled off until the required tolerance compensation has been achieved. M-Tech®S consists of metal strips or films (from 10µ) designed as single items or ground to shape as a set. M-Tech®P are packaged shims.

Thanks to Georg Martin GmbH's versatile portfolio, the purchasing department can place orders to match precisely the requirements of the construction, production and maintenance departments.

If peelable M-Tech®L shims are chosen, the customer benefits from up to 60 layers of film in a single component. In this way, the purchasing and construction departments cover all conceivable tolerances with one single compensation element. Unlike C-parts, which are ordered as bulk or assorted goods in line with consumption, the purchasing department controls orders in line with requirements by means of parts lists. This simplifies stock control, because the number of different versions is reduced and the reliability of stocks is increased. The service team can also carry out any necessary repair and maintenance work with a minimum of effort. All of these aspects come together to produce a rising cashflow. "Many manufacturers in the fields of drive technology, automotive manufacturing, aviation and plant engineering achieve considerable lean management advantages with M-Tech® shims, such as reduced machine requirements, faster construction and fewer versions," says Christoph Martin.



Shims from the product line M-Tech®P are edge-bonded and can be separated easily like a tear-off calendar