

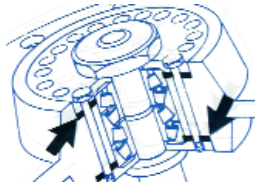


JICEY

PRECISION SHIMS

“ In an industrial world in which technology is constantly changing, it is essential that mechanical parts as important as adjustment shims should adapt themselves, change and advance in order to continue to provide the most suitable solution for your requirements. ”

JICEY, PRECISION SHIMS

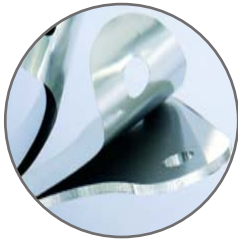


Jicey is the European specialist and leader in precision mechanical adjustment. From very large shims intended for offshore applications to extra-thin shims of a few millimetres for the aeronautical or optical industries, from standard shims to shims that are tailor made to your dimensions and specifications, Jicey manufactures more than 3 million adjustment shims per year for the aeronautical, military, space, railway, mechanical, transport and public works industries, etc. Jicey provides the adjustment solution that is most suited to the necessary precision that is required for any mechanical assembly. In every mechanical system, the insertion of Jicey adjustment shims during assembly enables the play that

inevitably results from the machining tolerances of the various parts that make it up to be compensated for. Jicey has become the preferred partner of more than 5,000 customers all over the world, and is continuously innovating in order to produce adjustment products of high precision and quality, which satisfy all the most draconian requirements and constraints.

A COMPLETE RANGE OF ADJUSTMENT SHIMS

Jicey can supply a solution that is perfectly suited to your requirements from its complete range of adjustment shims (peelable, separable, solid, extra-thin and standard), which are available in a wide choice of metal, composite or mixed materials, in any dimensions and all thicknesses (from 0.01 mm for stainless steel).



ALTHERMILL PEELABLE METAL SHIMS

The peelable shim is Jicey's leading product. Very few companies in the world have mastered the know-how and Jicey is acknowledged as the standard in this field. Peelable shims consist of a stack of basic leaves joined together by gluing, over their whole surface, forming a laminated assembly of compact appearance. The basic leaves are peeled away one at a time until the exact thickness desired is obtained. This process considerably reduces assembly time and avoids the storage, machining and grinding of solid shims. They are available in steel, aluminium, brass, stainless steel and titanium to suit any application



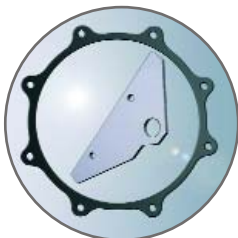
ALKOMPOSIT PEELABLE COMPOSITE SHIMS

These are peelable shims in a composite material. They consist of a stack of basic polyester (Mylar) or polyimide (Kapton) leaves. As opposed to peelable metal shims, they can be peeled off very easily by hand, without tools, and therefore quite safely. They are suitable for applications requiring insulation, resistance to chemical agents and lightness, over a wide range of temperatures from -70°C to +220°C (Mylar) and up to +400°C (Kapton).



SHIMPACK SEPARABLE SHIMS

Separable shims consist of a stack of basic leaves joined together by points of adhesive on the block only. The desired thickness is easily obtained by removing the leaves by hand, without tools, until the desired dimension is obtained. Unlike peelable shims, separable shims are mainly used for assemblies only requiring average shimming accuracy, in challenging external environments for which the process can be very practical and economic.



SOLID SHIMS AND FOILS

Solid shims, ground or otherwise, are used in all cases where there are significant stresses (vibration, tension, shear or extreme temperatures). They are also found in some aeronautical mechanical assemblies as mountings for equipment mounted on the engines of civil and military aircraft. They are of extremely high accuracy, strictly made to measure and for immediate use on site. Solid shims are available in a wide range of thickness, materials and hardness.



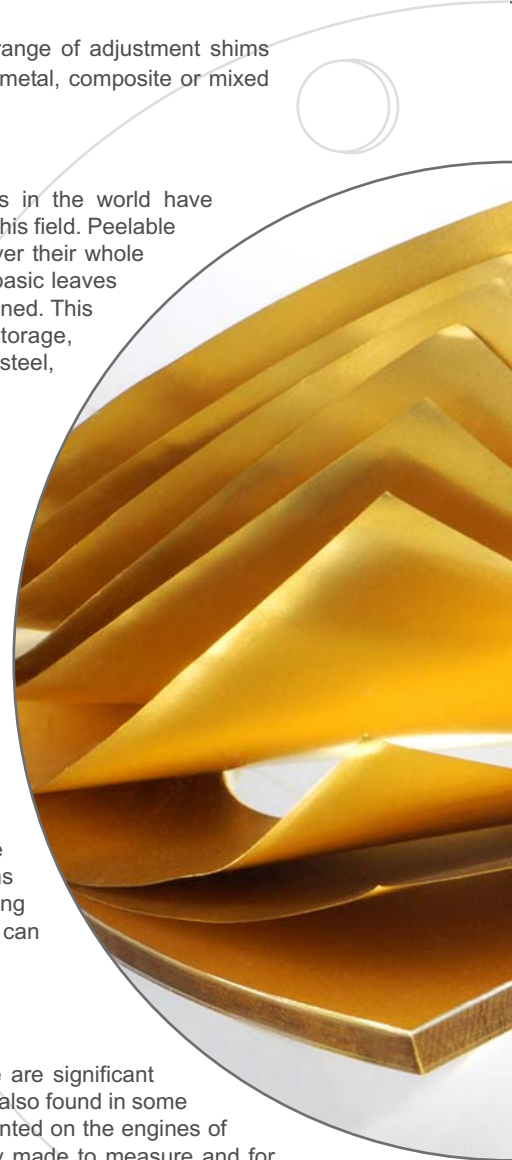
EXTRA-THIN SHIMS

These are solid shims used to take up play that is often less than 1/10th of a millimetre. Made to a drawing, in steel, aluminium, stainless steel or polymer, they are produced in thicknesses of 0.025, 0.05, 0.10, 0.20 mm, and even down to 0.01 mm for stainless steel. Whatever their shape, these parts are machined, which ensures high accuracy without burrs.



STANDARD PEELPACK, LAMIPACK & SINGLEPACK U SHIMS

These are U shims in European standard shapes and sizes. They may be peelable (Lamipack), separable (Peelpack) or solid (Singlepack). Standard shims are very often used for the alignment of transmission shafts between an engine and a load. They are available in steel, stainless steel, brass and also in composite material.



HIGH PRECISION MACHINING AND CUTTING OUT

Jicey is a specialist in the techniques of transformation of thin and ultra-thin laminated materials, and our production lines use all the modern means of machining and cutting out, which enable the manufacture of thin flat parts in many materials. Jicey is equipped with a range of conventional and digitally controlled machines. Our own cutting out tools are assisted by mechanical or hydraulic presses, some automatic and some not, and we include cutting out techniques by laser, water jet or electro-erosion when working with our partners.

AN INNOVATOR IN PROCESSES AND TECHNIQUES

Jicey is always innovating and bringing to its adjustment products new patented processes, new materials and unequalled quality in order to provide you with an increasingly high level of satisfaction. The laminated materials used for the composition of peelable shims are at the core of our technology. Our laboratory develops the glues that are used for our products line. Gluing is carried out continuously in layers of negligible thickness by means of a specific process, developed by Jicey, to ensure perfect parallelism of the finished parts.

QUALITY ASSURANCE

Product quality is not a concept at Jicey; it is a reality and a quest at all times. All the parts that leave our production lines are subjected to exemplary finishing and precision. We carry out quality control on all our parts, as well as a dimensional check to satisfy all your requirements.

STANDARDS & CERTIFICATIONS

Supplying for production, by way of technical and commercial activities, Jicey has developed strict quality procedures based on ISO 9001 standards, with the addition of standard EN 9100 for aeronautics.

PACKAGING

Jicey packs almost all its production in blister packs or bubble films and air cushions for the maximum protection of all our parts from our production workshops up to their final use.

PROVIDING YOU WITH THE BEST SERVICE

Jicey is a manufacturer and controls a complete range of production methods. We can therefore satisfy all your requests quickly and in the best way. The computerisation of all the data, from the preparation of the estimate to delivery enables us to be particularly responsive and best satisfy your imperatives of quality, traceability and rapidity.

THE CUSTOMER WEB

With the continuous attention of providing you with the tools that enable you to have an overview of the procurement of your parts, Jicey offers a protected web interface for customers on request. After identifying yourself, you gain immediate access on our website to your dedicated pages, which inform you in real time about the monitoring of despatches and deliveries, the order book and state of progress of your orders in production.

3 millions shims per year

More than 5,000 customers worldwide

The standard since 1946

