

# Flexible System for Parts Cleaning

A modular parts holder system provides the ideal conditions for transporting components of different kinds through the entire parts cleaning process. The supplier of the system has added to its range of products and now offers additional options for partitioning the holders.

Industries such as medical technology, mechatronics, microelectronics and precision engineering require specialised parts holders. They must be simple to use and reliable in both manual and automatic processes and protect their contents from damage. At the same time, they must allow for the best possible flow of the cleaning agent in industrial parts cleaning, which is a key aspect of many production and assembly processes.

Holders designed for specific parts, which hold the workpieces in a certain position and fix them in place at certain points, are widely used. These are often made from

perforated metal sheets which can be adapted to suit the shape and size of the parts using a range of accessories. However, this type of system has disadvantages. Large solid surfaces restrict the flow of the cleaning medium and prevent ultrasound waves from reaching the parts. In addition, dirt and fluid residues can accumulate in the corners and along the edges of the holders.

### Proven system with new functions

Kögel has collaborated with Fries Kunststofftechnik to develop an intelligent so-

lution that is now well established on the market: the Techtray workpiece holder system.

Frames can be fitted around the edges of the holders and different partitions can be used to ensure that the holders are the best possible fit for the size of the parts. Plastic and metal pins are available for more precise positioning, which can be fastened to the base plate using a plug-in system or a bayonet fitting.

Kögel has now added new components to its system. The parts holders are available in a range of different sizes up to 600 x 400 millimetres. This makes the Techtray ideal for use in storage and stacking boxes, cleaning baskets, small load carriers and other transport containers. The trays, which are individually adaptable, can also be used for storing and transporting delicate and complex parts. The plastic base plates can be supplied with precisely positioned perforations on request. This allows the workpieces to be fixed in place in three dimensions over several levels. If necessary, the pins can function as spacers between the individual trays.

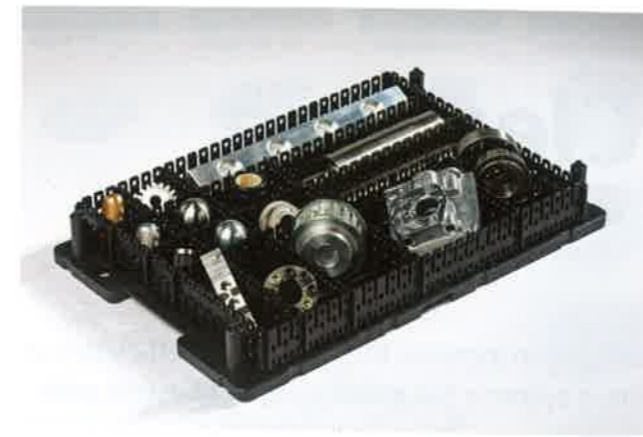
### Flexible enough to meet every requirement

The system includes a wide range of accessories that allow different types of parts to be perfectly positioned on the trays. All the components of the system can be fitted, modified and removed easily without the use of tools. Many different variants

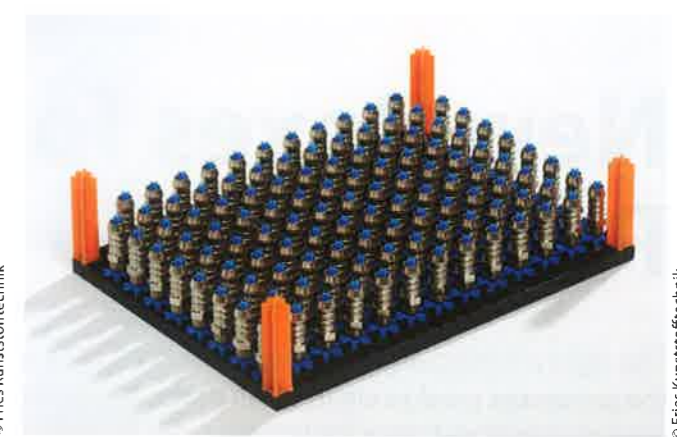


The workpiece holder system is ideal for use in storage and stacking boxes, small load carriers and other transport containers.

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The trays can easily be adapted to the size of the parts with the use of a variety of different partitions.

A grid size of only 9.5 x 9.5 millimetres allows for a wide range of variants.

are possible, because the grid is only 9.5 x 9.5 millimetres in size. The trays can be used in standard baskets, in modular carrier frames and as stand-alone systems. Users can easily combine the new Techtray solutions with existing parts holder systems from Kögel and with other small load carriers. This allows even complex parts to be stored and transported safely and keeps the time and effort involved in cleaning the transport containers to a minimum.

In industrial parts cleaning, users benefit from the fact that the base plates and partitions of the Techtray system have large numbers of perforations. This ensures that the entire parts holder can be washed and dried effectively and evenly. Rounded edges improve the flow of the cleaning agent and prevent the build-up of dirt and fluid residues. As a result, Techtray provides the best possible cleaning results. The durable plastic that the trays are made from also makes them suitable for ultrasonic processes.

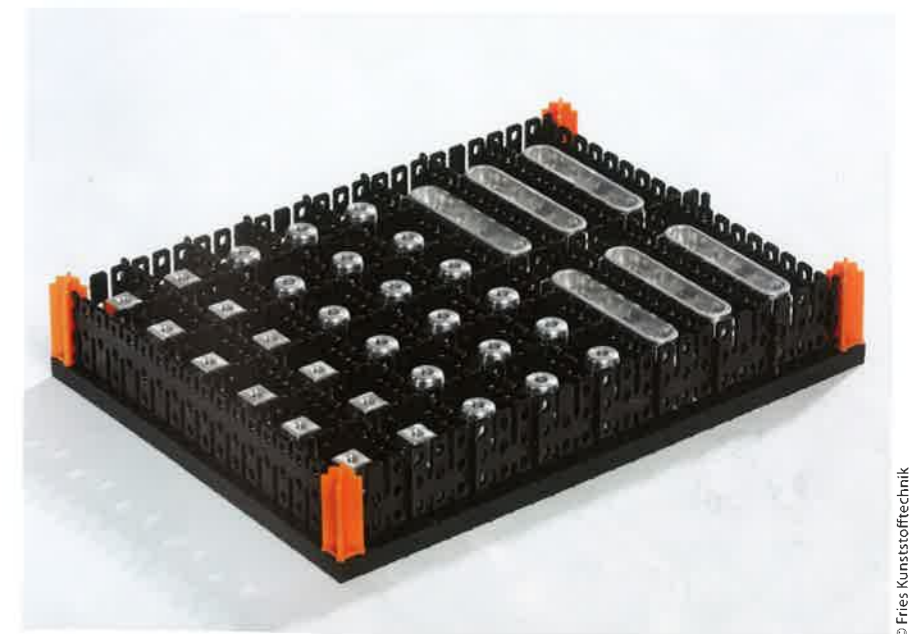
### Handling parts easily and with care

The Techtray system is the ideal solution for parts handling. The plastic trays provide the workpieces with reliable protection against damage, such as scratches and dents. The light weight of the trays also makes them easy to lift and carry. In addition, they are designed for use in an automated environment and can be fitted with identification systems, such as RFID,

QR codes and bar codes. They can also be integrated into all the processes that make up the logistics chain, from cleaning, transport and storage to picking and assembly. This allows time-consuming and costly unpacking and repacking processes to be avoided. //

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The plastic trays provide the parts with reliable protection from damage, such as scratches.