

METALLFORM

MEFO-NEWS

Non-standard size cleaning batches – Brought to standard sizes easily with our smart adapter solutions.

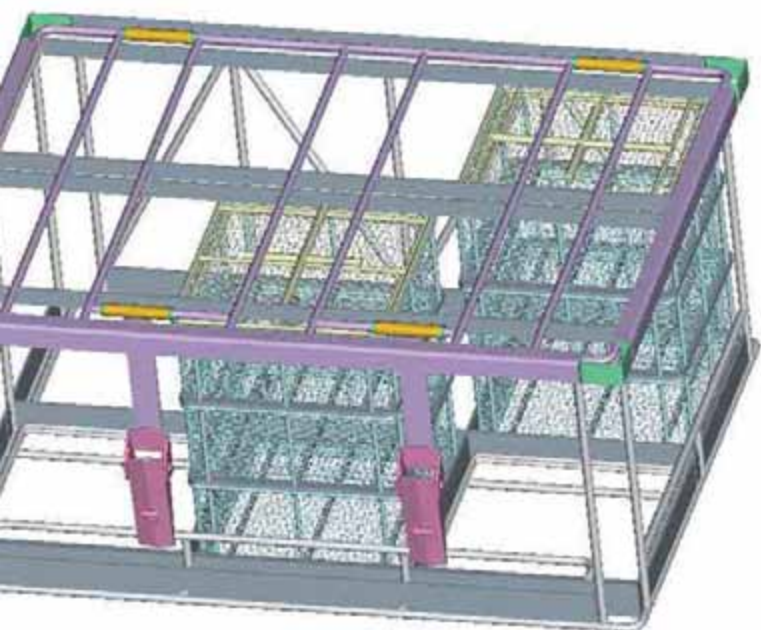
Make your cleaning process more economic.

The dimensions of cleaning baskets and workpiece holders for industrial parts cleaning are usually aligned with the dimensions of common storage boxes and small load carriers as they are used in production. Sometimes, however, individual components or design of the cleaning machine requires use of cleaning baskets in non-standard sizes. In these cases, the adapter solutions developed by Metallform allow reduction of expensive and usually difficult-to-handle customised baskets.

To ensure a smooth workflow, the containers used in production, e.g., „Schäfer“ boxes and small load carriers, have corresponding dimensions. Therefore, it is recommended to specify the same sizes also for the cleaning baskets and workpiece holders in industrial parts cleaning. A comprehensive range of accessories is available for these standard cleaning baskets, including different types of lids, compartment rods and inserting bottoms. However, in many occasions large components do not fit into standard cleaning baskets or the work chamber of the cleaning machine has special dimensions. If so, special solutions are required, which usually involve high costs and difficult handling. Another disadvantage are long lead times and a limited selection of accessories.

Using Adapters to achieve standard dimensions

The target is to reduce the number of non-standard size cleaning baskets to the minimum. To achieve this, Metallform designs adapter solutions that allow use of cleaning baskets and workpiece holders in standard dimensions, e.g. from the comprehensive MEFO-BOX System. The design engineers of the company located in Bretten pick one dimension of the customised basket size - width or depth - in standard size, so that “off the shelf” accessories can be used.



Bulk material baskets in customised sizes are adapted to the standard batch size of the cleaning machine via a base rack with hinged lid and Camloc locks.

Solutions for many different applications

This was the perfect answer for a manufacturer of components for laser systems. The task was to accommodate parts with the length exceeding 1,000 mm. A basket with the non-standard batch size was designed for these components (figure 1) and equipped with parts-specific holders for efficient cleaning. An adapter frame that can be used to adapt MEFO-BOXes to the special dimensions was part of the design. The adapter ensures that the customers other parts can be cleaned in standard baskets and that all required accessories, such as adjustable lids, can be used from the standard range. At the same time, this solution allows to spread a large batch into several small and easy to handle „portions“.

For an aerospace company, Metallform developed a grating in customised size (figure 2). It can be either equipped with parts-specific holders for cleaning large components in different geometries, or with frames to accommodate cleaning baskets in standard sizes.

At a manufacturer of turned parts, the size of the work chamber only approximates standard sizes. The adapter solution (figure 3) – consisting of a base frame and a lid that can be clamped on - makes it possible to use cost-efficient cleaning baskets „off the shelf“ for all components. The base frame and lid are connected by Camloc locks.

Other solutions



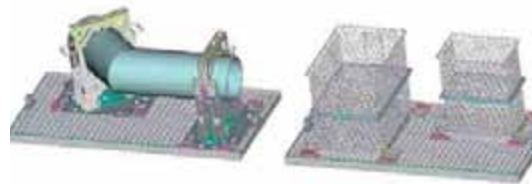
Customised basket for large parts and adapter frame for adapting standard MEFO-BOXes to the non-standard batch size.



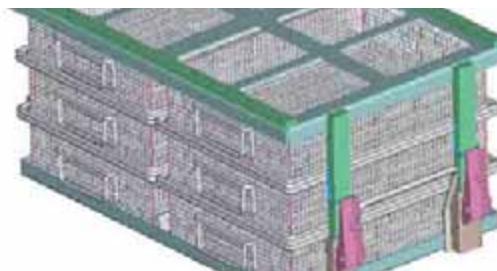
Customised basket for large parts and adapter frame to adapt standard MEFO-BOXes to the non-standard batch size.



Customised basket with parts-specific holders for large parts and adapter frame for adapting standard MEFO-BOXes to the non-standard batch size (figure 1)



Grating with parts-specific holders for large components and holders for standard MEFO-BOXes (figure 2)



Standard MEFO-BOXes are adapted to the non-standard batch size of the existing cleaning machine via base frame and lid with Camloc locks (figure 3)



Base frame with grating in special dimension to clean large components (no rotation) and to accommodate standard MEFO-BOXes.



Quality made in Bretten

It's a matter of know-how.

Our strengths are our in-house design and manufacturing. For our customers this means consistently high quality, price stability and adherence to delivery dates – no matter how large or small the order.



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