



• YOUR CUSTOMIZED PACKAGING
AND LOGISTICS MEANS



Global systems partner
to the automotive and
supplier industry

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Global systems partner
to the automotive and
supplier industry



Production
with lowest costs
and highest quality!

This is our benchmark for all projects. State-of-the-art machines and a deeply rooted quality management system ensure our customers this advantage. With the knowledge and experience from many projects, we regularly come up with practical and economically interesting solutions for your application.

The core competence of the company lies in the development and production of professional material flow and workpiece carrier systems as well as transport systems of all kinds.

Service portfolio includes workpiece carriers, stainless steel cleaning baskets, wire baskets in all possible shapes and sizes (also heat-resistant), special racks, special load carriers, tugger train systems, chassis, transport trolleys for internal transport, devices and containers made of stainless steel and aluminum.

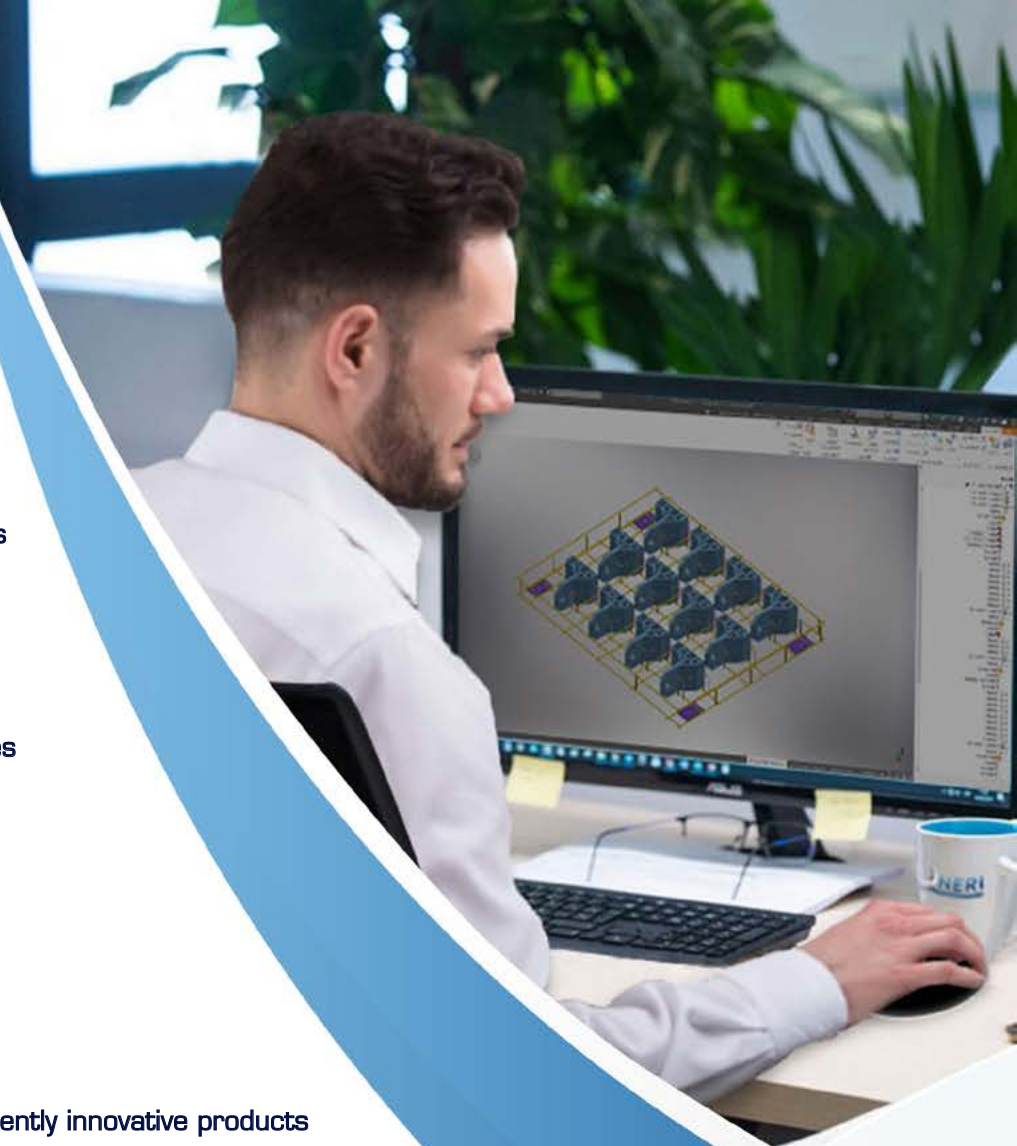
The tailor-made solutions are mainly used in production with automatic parts removal and in the material flow of the automotive supply industry. Our goal is to meet the exclusive requirements of workpiece handling, material provision and automation technology. We see ourselves as a partner to our customers and can provide references from global companies.

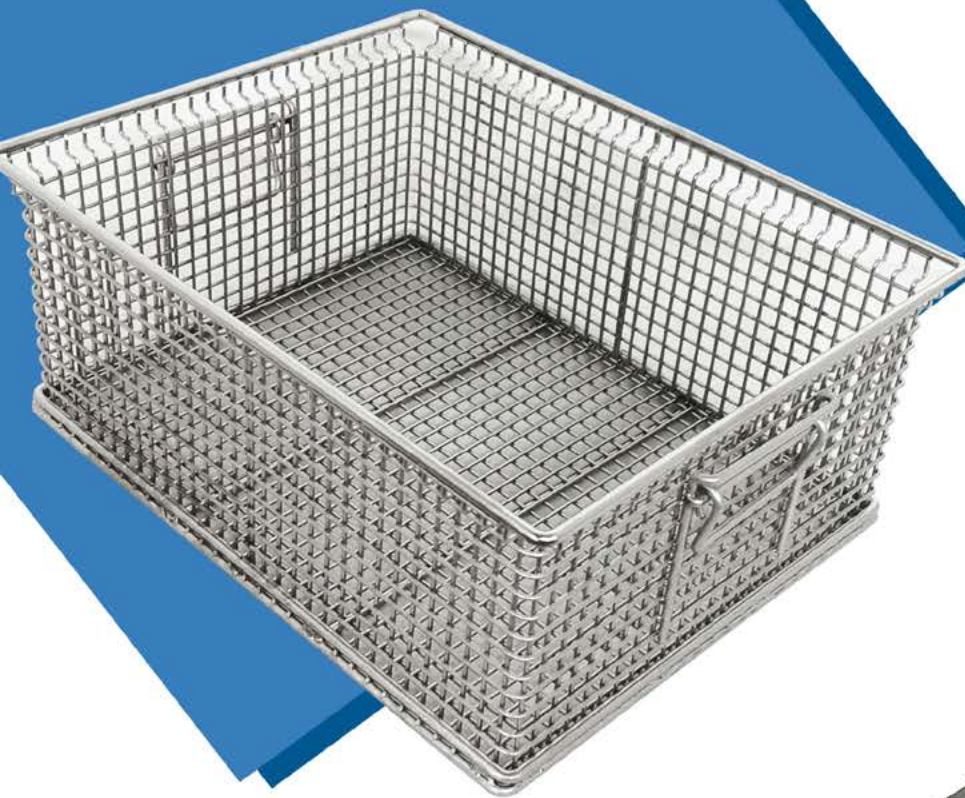
We bundle a wide range of competencies in the :

- construction,
- metalworking,
- automation,
- surface design,
- Welding technology

and offer our customers unique, consistently innovative products in selected industrial sectors.

Benefit from our competence and our know-how from numerous international projects during consultation, planning and implementation.





Wire baskets are designed according to the following criteria:

- Basket shape,
- External dimensions of the basket,
- Load capacity,
- Stackability,
- Basket weight,
- Robustness,
- Ergonomic use,
- Cost-effectiveness.



Wire Baskets

Neri crafts unique custom basket designs for clients in many different industries all across the globe.



HIGH QUALITY

The baskets are highly corrosion resistant due to high quality stainless steels and electro polished surfaces.

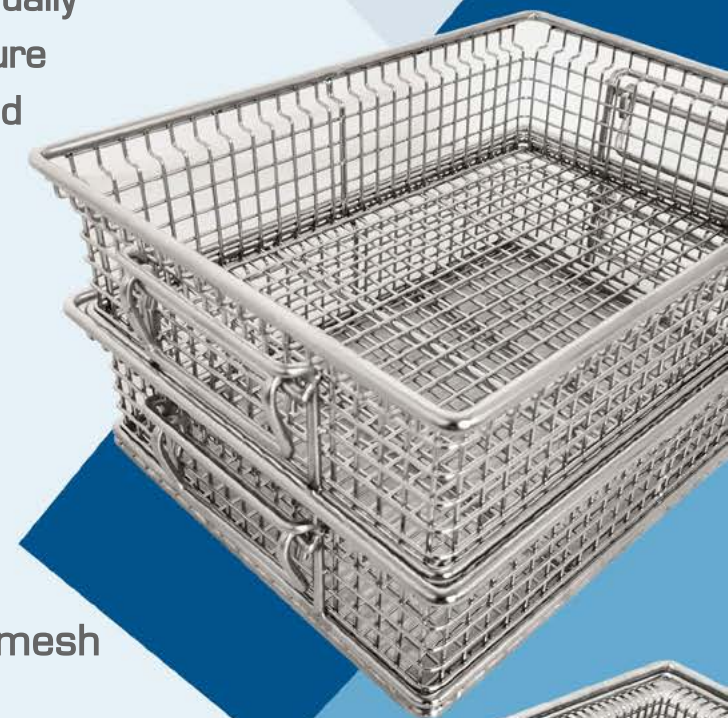
Standard Wire Baskets

Our high quality washing baskets are individually manufactured with precision tools and ensure excellent positioning accuracy for automated production systems.



Standard mesh sizes are:

- 20x20 mm
- 12x12 mm
- 6x6 mm



Big Wire Baskets

We develop and manufacture customer - specific special baskets depending on the size and request. Depending on the loading capacity, sheet metal and wire combinations form the basis of our developments.



Wire Mesh Baskets

Wire baskets with various dimensions allow to clean and transport different parts in a single batch.

Advantages

- Wire mesh baskets have double frames at the top and bottom,
- Available in various shapes and sizes,
- Material made of stainless steel, electropolished,
- Good washing properties,
- Suitable for all basket sizes,
- Available from mesh size 1 mm to 5 mm.

The most popular model is the version with an angled frame.

Height - adjustable
sealing cover
(option)

Wire Mesh baskets with angular frame

High quality

The upper angular frame gives the basket an elegant look.

The electropolished surface underlines the high-quality workmanship and at the same time gives the wire basket a dirt - repellent effect.

Coverlid

A spring-actuated cap closes the basket on the angled frame. Optimal sealing even for small parts.

Double frame

The Wire mesh baskets have a double frame at the top and bottom. They are 100% burr - free, i.e. there is no risk of injury from detached wire ends.



If necessary, the basket can be equipped with a compartment divider.

Wire Mesh Baskets

Wire Mesh baskets guarantee the highest possible quality when cleaning and degreasing small parts. The format of the basket is defined depending on the component geometry and part volume. According to the loading weight, the side walls and bottom frame are reinforced by additional wires.

The most popular model is the version Wire Mesh baskets with angular frame.

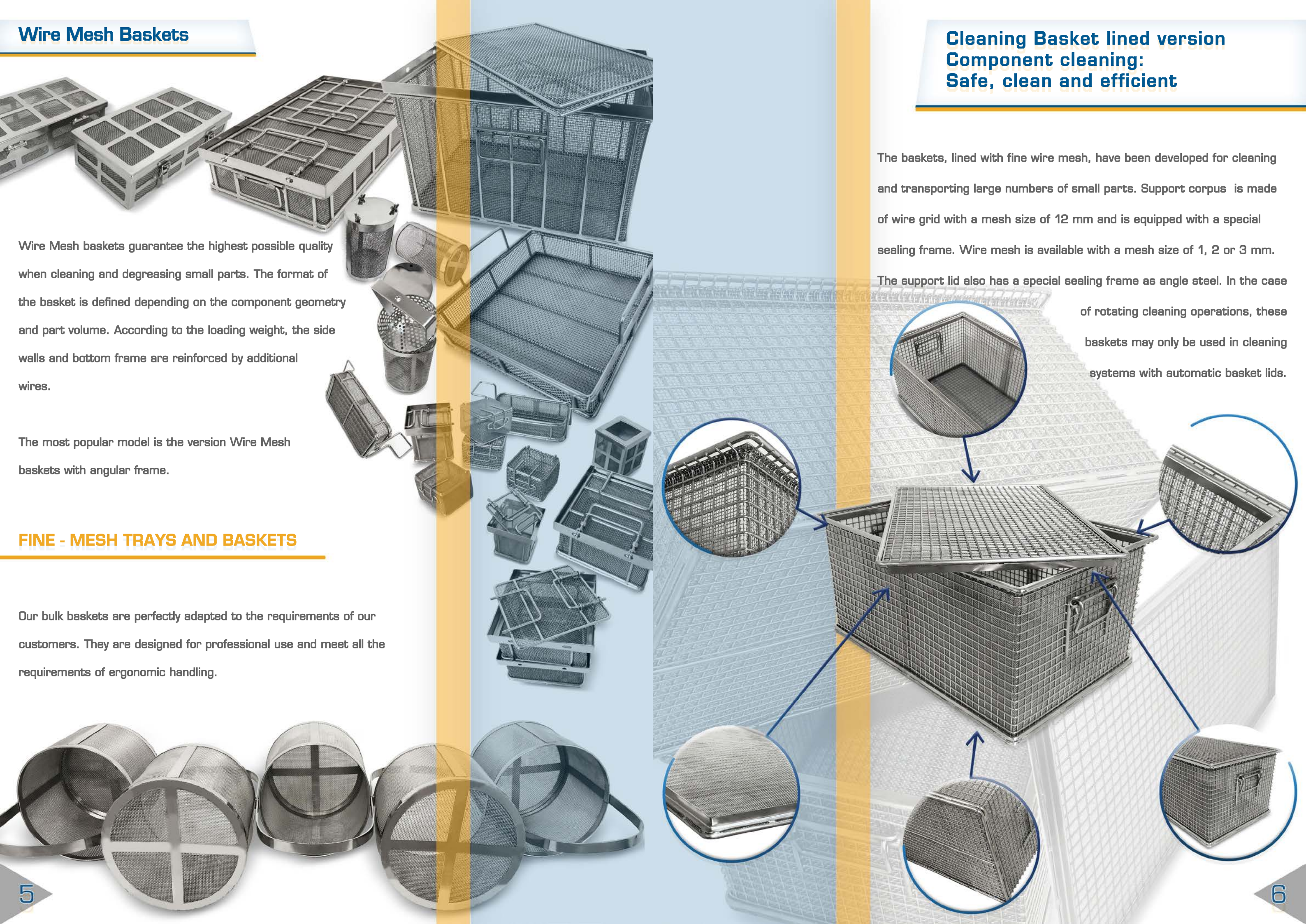
FINE - MESH TRAYS AND BASKETS

Our bulk baskets are perfectly adapted to the requirements of our customers. They are designed for professional use and meet all the requirements of ergonomic handling.

Cleaning Basket lined version Component cleaning: Safe, clean and efficient

The baskets, lined with fine wire mesh, have been developed for cleaning and transporting large numbers of small parts. Support corpus is made of wire grid with a mesh size of 12 mm and is equipped with a special sealing frame. Wire mesh is available with a mesh size of 1, 2 or 3 mm.

The support lid also has a special sealing frame as angle steel. In the case of rotating cleaning operations, these baskets may only be used in cleaning systems with automatic basket lids.



Cleaning Baskets

Standard wire baskets guarantee the safe transport of your products within the value chain and ensure the smooth production flow. Depending on the application we offer standard or customized dimensions and mesh sizes.

Standard mesh sizes are :

- 20x20 mm • 12x12 mm • 6x6 mm



Wire Racks

The washing racks, so-called base frames, enable efficient cleaning with maximum flow.

Dimensions can be individually defined by the customer.

Several bulk goods baskets as well as several workpiece carriers can be cleaned at a single wash cycle at the same time.

The washing racks each have 2 perforated strips on the front sides and can be closed with a locking or clamping lid depending on the load.

Significant features and Benefits:

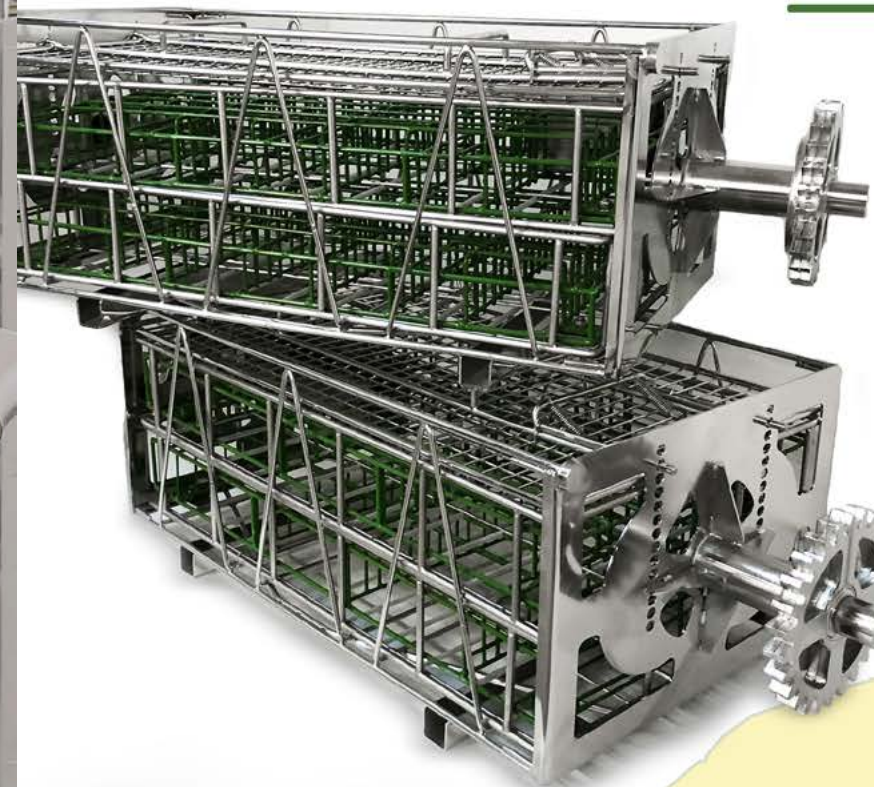
- Easy adaptation to different logistic requirements.
- Material made of stainless steel, electpoished.
- Low weight with maximum stability and rigidity.
- Good washing properties.
- Wide range of options.
- Suitable for both aqueous and solvent cleaning.



The bogies / Cleaning racks can be equipped with different drive elements, plastic parts, lid variants, handles, labeling plates, inlays and offer an optimized cleaning and coating quality for the end Customer.

We develop and manufacture customer - specific bogies and rotary trommels with individual size and request for usage in cleaning or coating systems. Depending on the loading weight, sheet metal and wire combinations form the basis of our developments. The rotary trommels are designed for the respective application and transport requirements.

Stainless Steel Bogie for Electroplating and Phosphate Plants



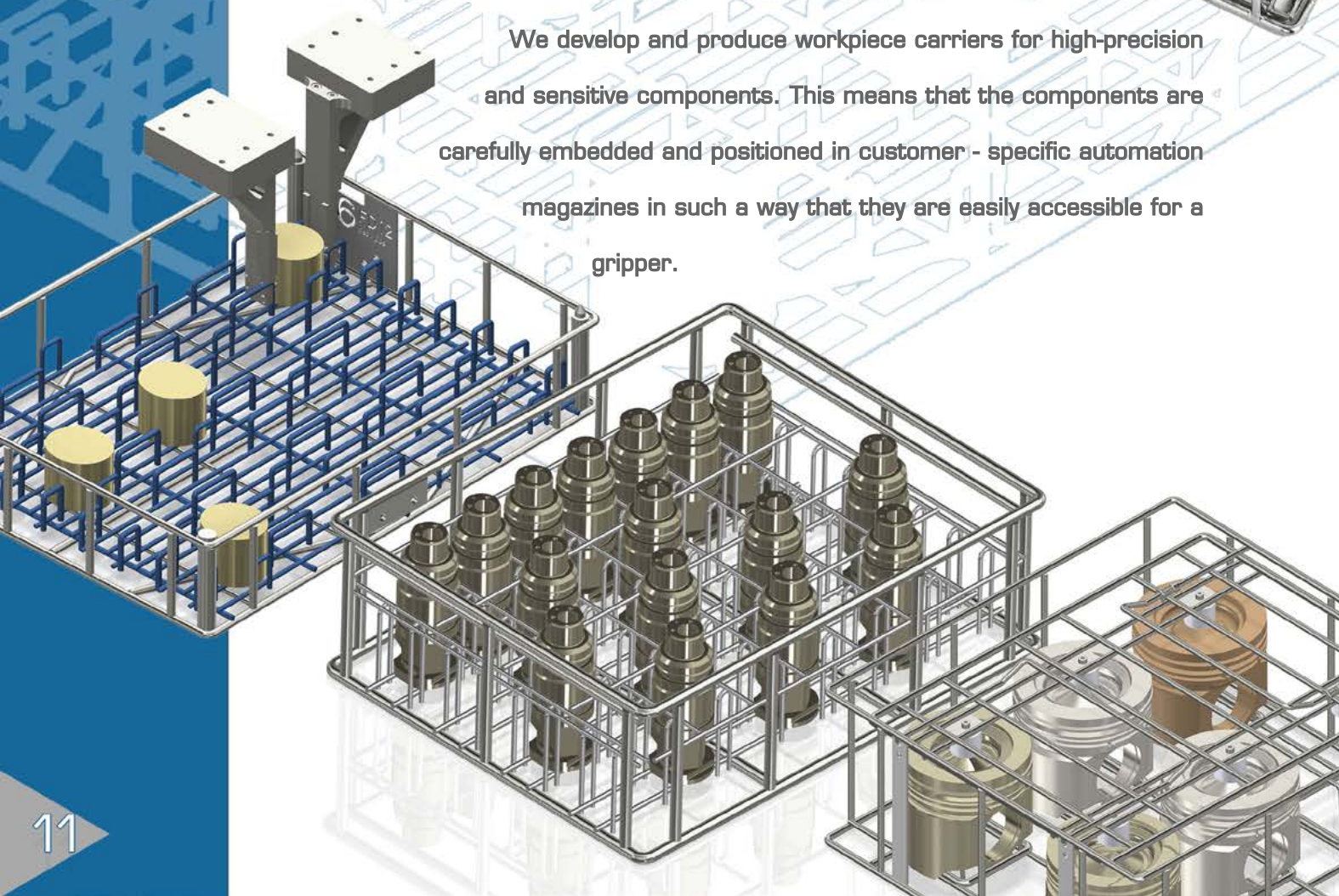
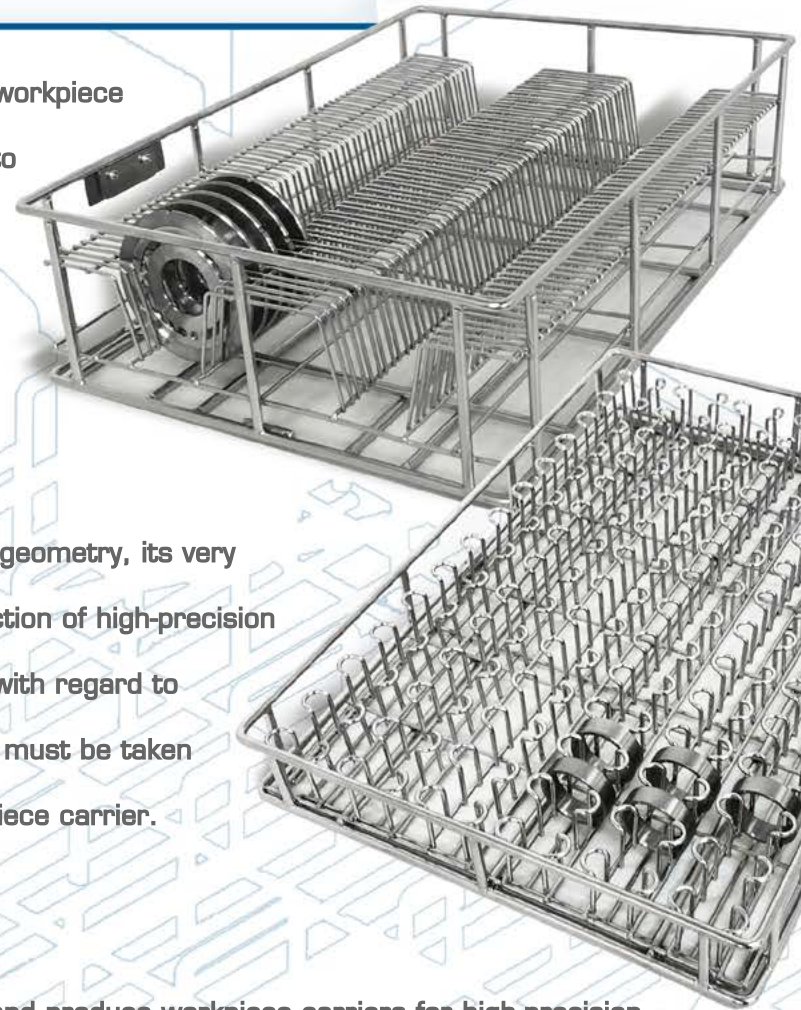
Thanks to the optimized bogie, media and washing mechanics, for example ultrasound or spray jet, reach the items to be cleaned from all sides. This not only contributes to an improved cleaning quality, but also noticeably extends the service life of the media and thus reduces cleaning costs.

Workpiece - Specific Carriers, Customised Cleaning Baskets, Customised Wire Baskets

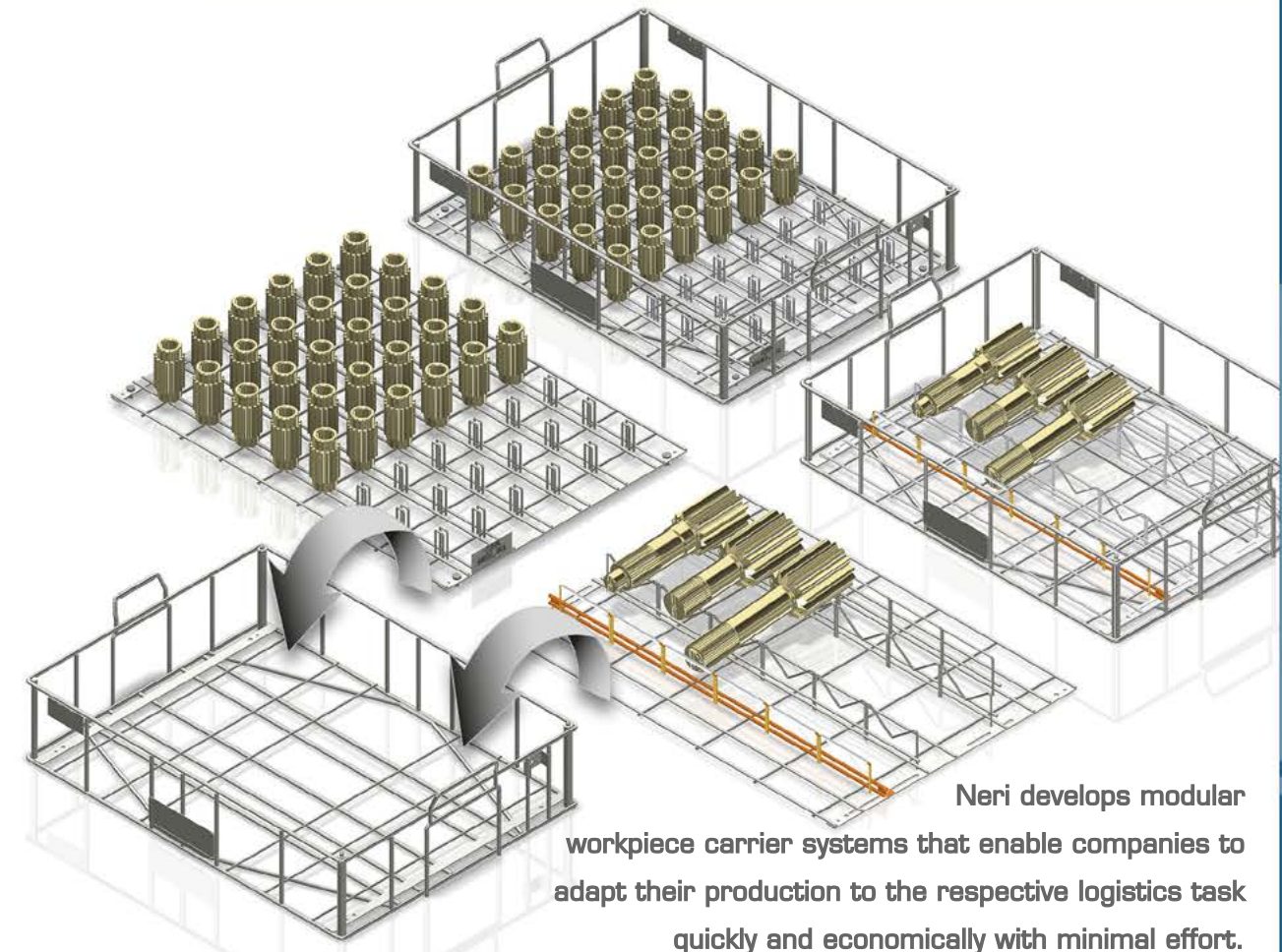
Workpiece carriers guarantee safe workpiece handling - especially when it comes to reliably protecting sensitive workpieces from damage during transport and cleaning.

Every workpiece has its very special geometry, its very specific Requirements for the protection of high-precision machined surfaces or has features with regard to weight, material and machining that must be taken into account when designing a workpiece carrier.

We develop and produce workpiece carriers for high-precision and sensitive components. This means that the components are carefully embedded and positioned in customer - specific automation magazines in such a way that they are easily accessible for a gripper.



Smart Workpiece Carrier and Basket Systems



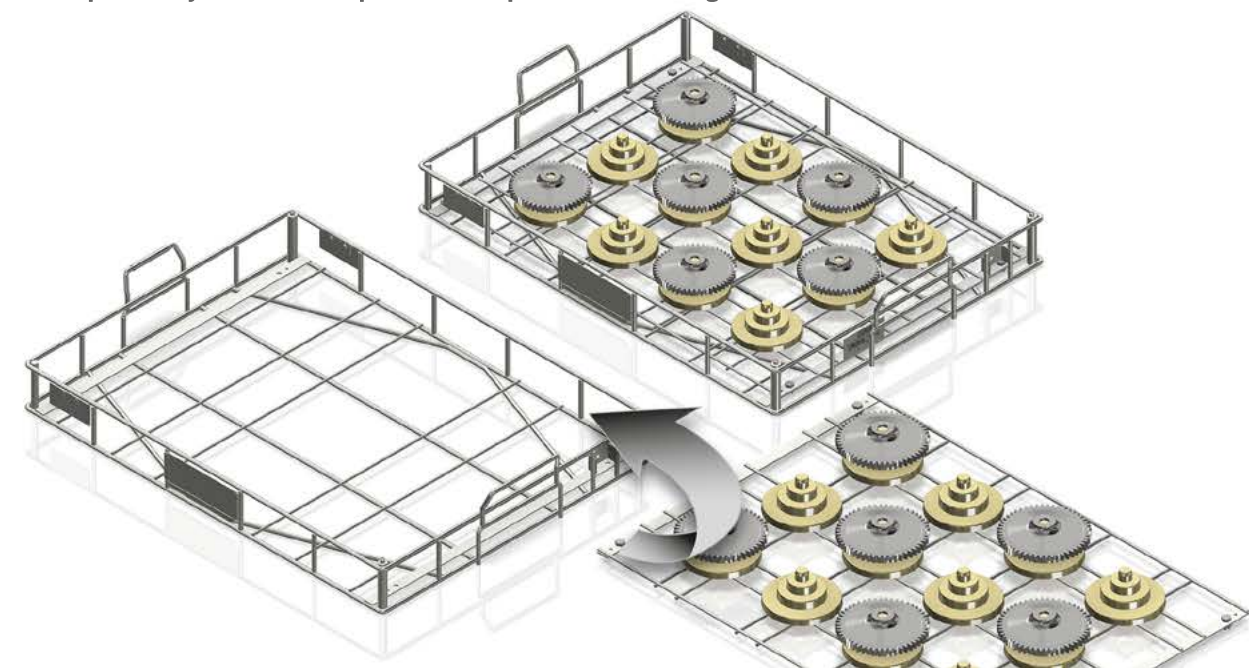
Neri develops modular workpiece carrier systems that enable companies to adapt their production to the respective logistics task quickly and economically with minimal effort.

Depending on the application, we recommend smart workpiece carrier systems.

- The use of a basic basket in combination with interchangeable inserts,
- Several similar components via adjustable part holders,
- Same geometry, different heights thanks to the height - adjustable lid.

Smart workpiece carrier systems not only reduce the number of workpiece carriers required and thus the investment costs, but also the required storage space.

For perfectly automated production processes using robots with low costs at the same time.



Component protection during the cleaning and drying process :



In most of the cleaning processes, the workpieces are subjected to a rotating movement in a rotary chamber or work chamber in order to ensure sensitive cleanliness criteria.

We offer you different solutions to protect sensitive surfaces from damage,



- Points in contact with the workpiece can be encased in temperature- and media-resistant plastic tubing.
- Exchangeable inserts can optionally be coated with plastic. These plastic coatings wear off over time, so recoating is necessary at certain intervals.
- Alternatively, profiles or molded parts made of Teflon /plastic can be used. Component protection made of Teflon is mainly used for heavy and/or sharp - edged workpieces where a plastic coating would wear out too quickly.

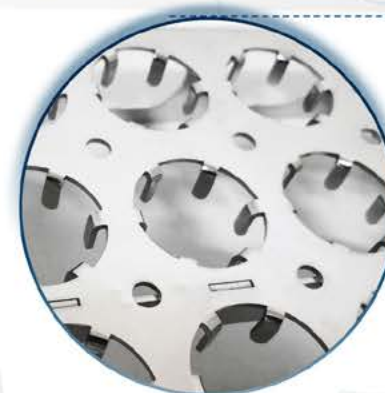


Workpiece carrier made of sheet metal



Workpiece carriers made of sheet metal are suitable for small and light components and enable a smooth production process in modern, automated production lines through precise workpiece positioning.

Part holders are deformed with a deep-drawing tool. The carrier gently embeds workpieces and is used both for orderly provision in production and as a protective basket during handling and transport.

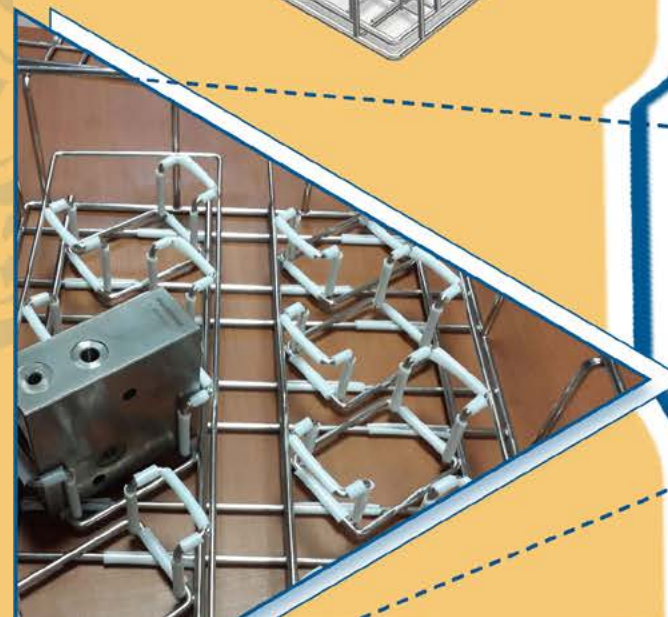
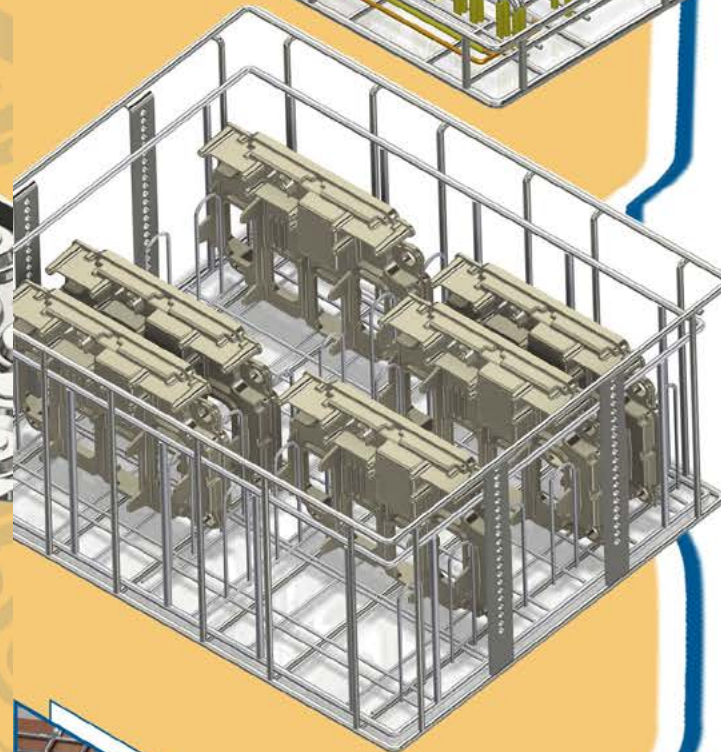
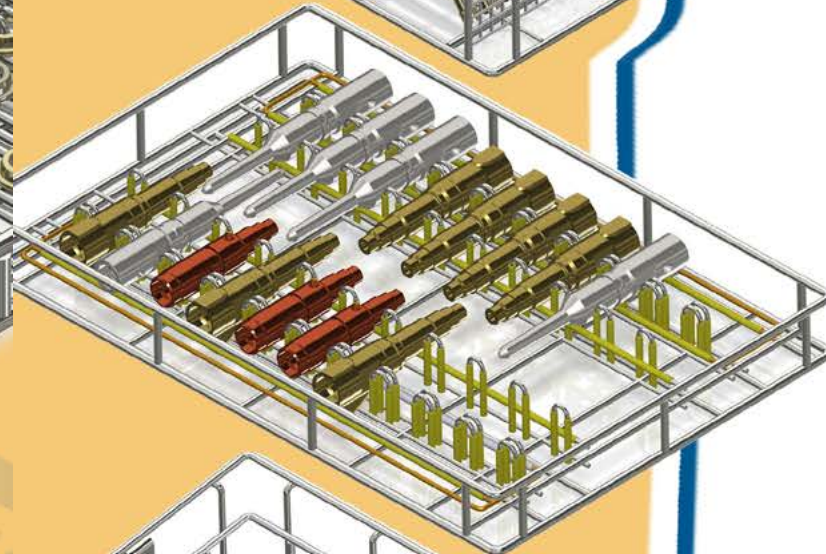
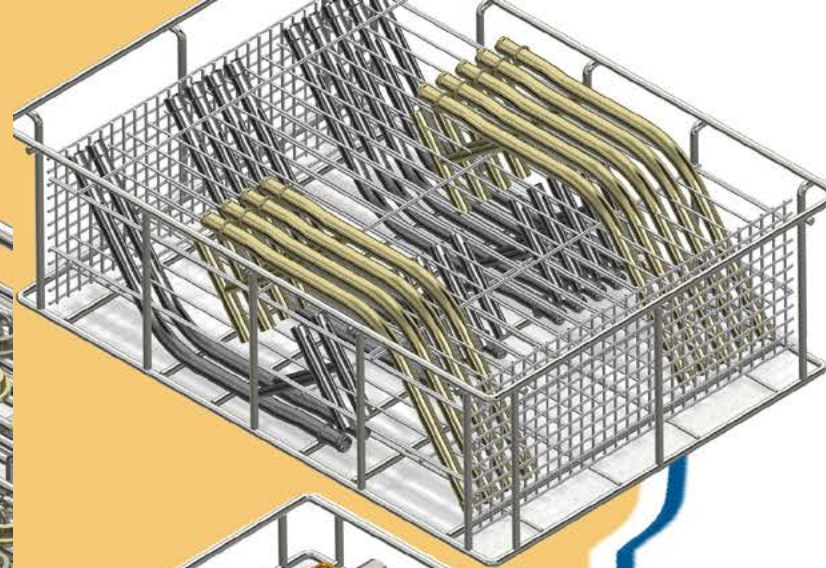
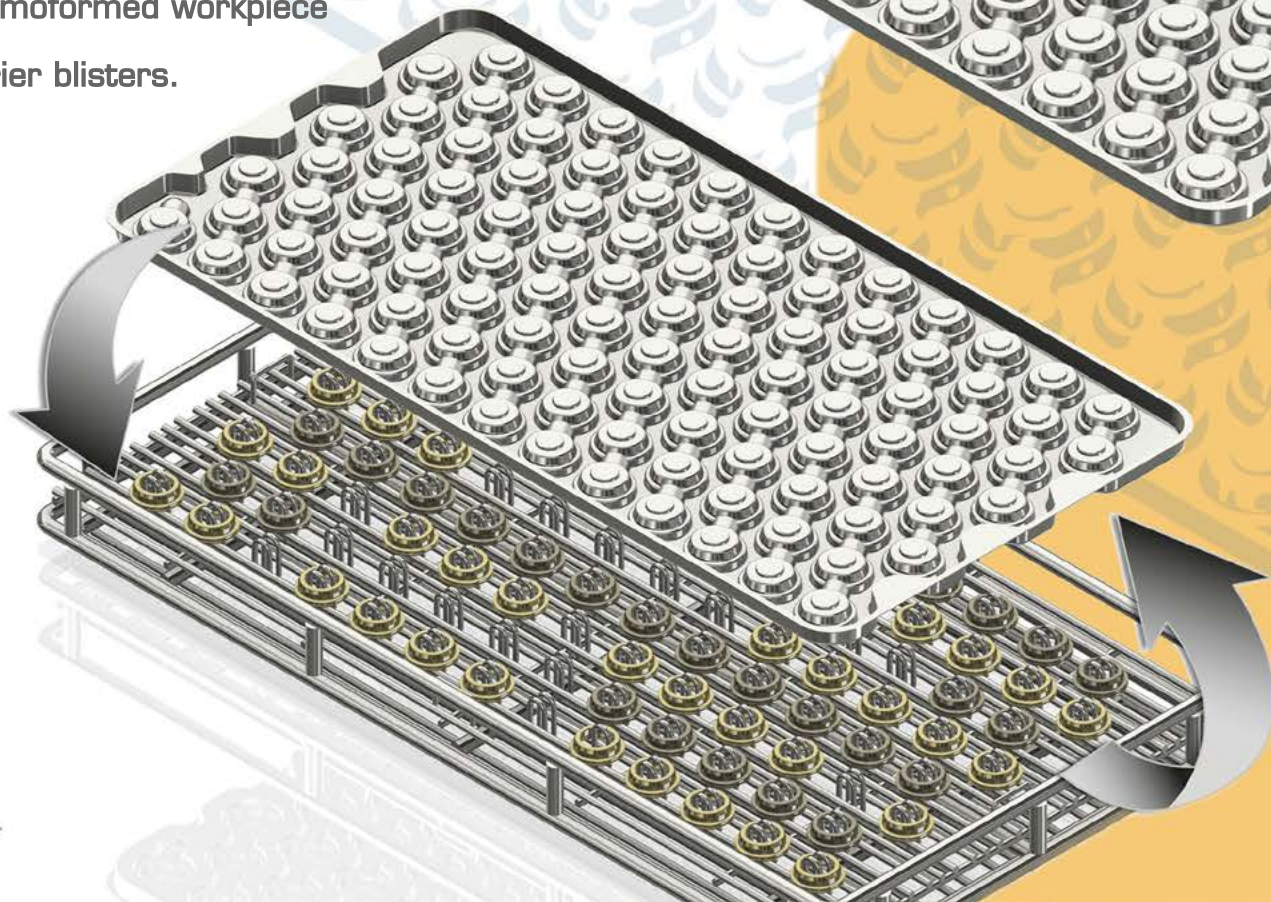
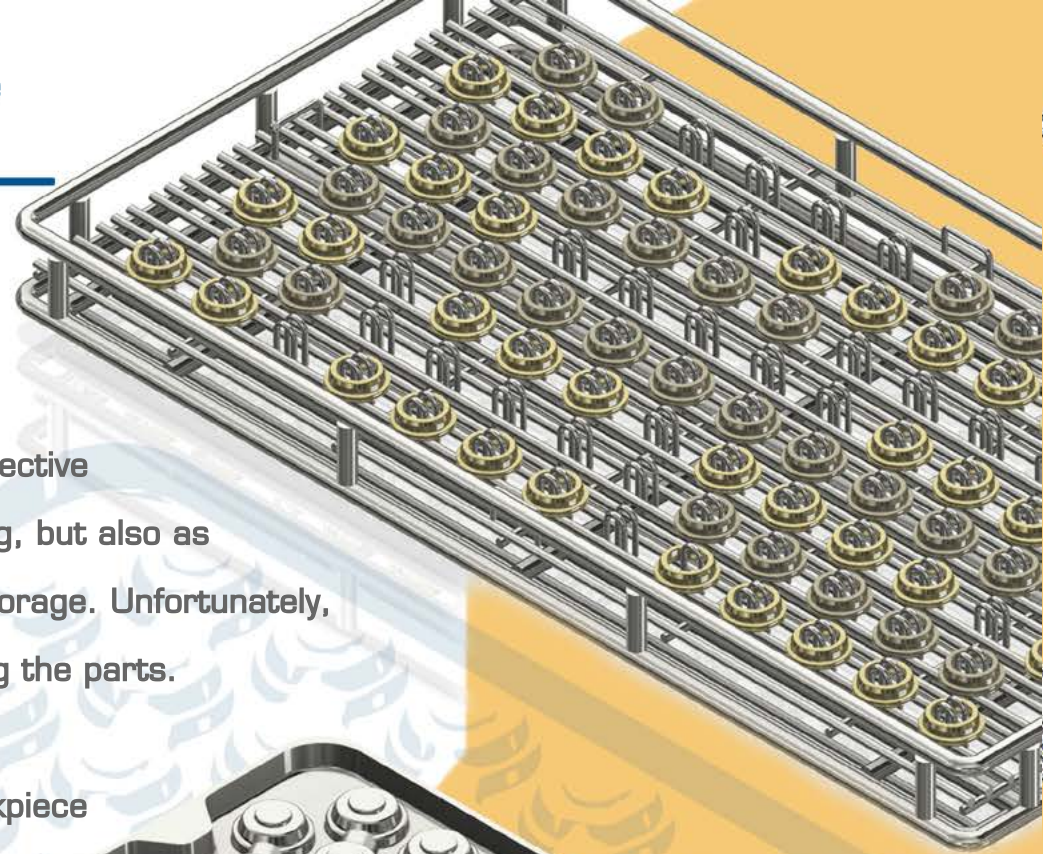


Reversible Workpiece Carriers

Thermoformed workpiece carriers and trays made of plastic are used to hold components and are a cost-effective solution for automated handling, but also as packaging for transport and storage. Unfortunately, they are unsuitable for cleaning the parts.

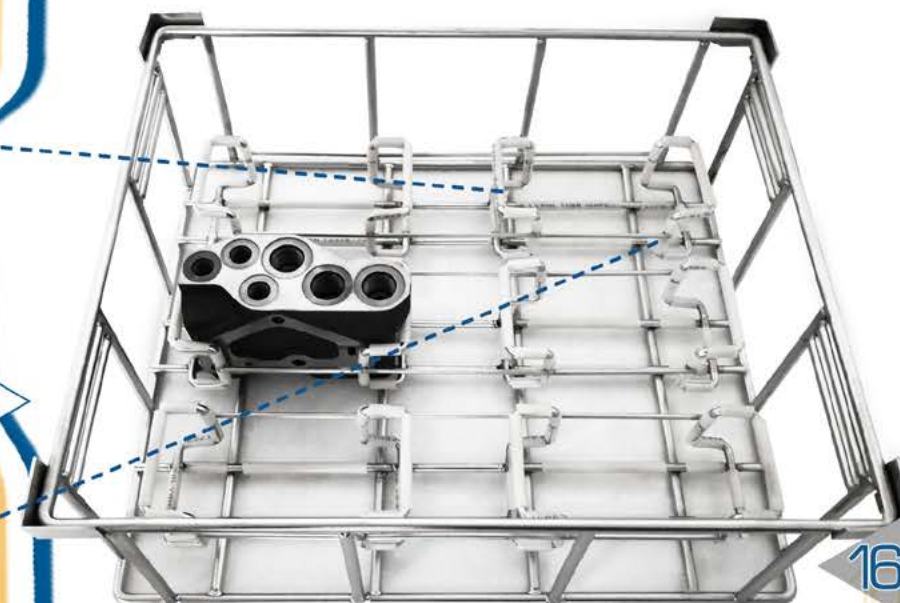
We design stainless steel workpiece carriers that can be filled by overturning thermoformed workpiece carriers.

Refilling stainless steel workpiece carriers by tipping over thermoformed workpiece carrier blisters.

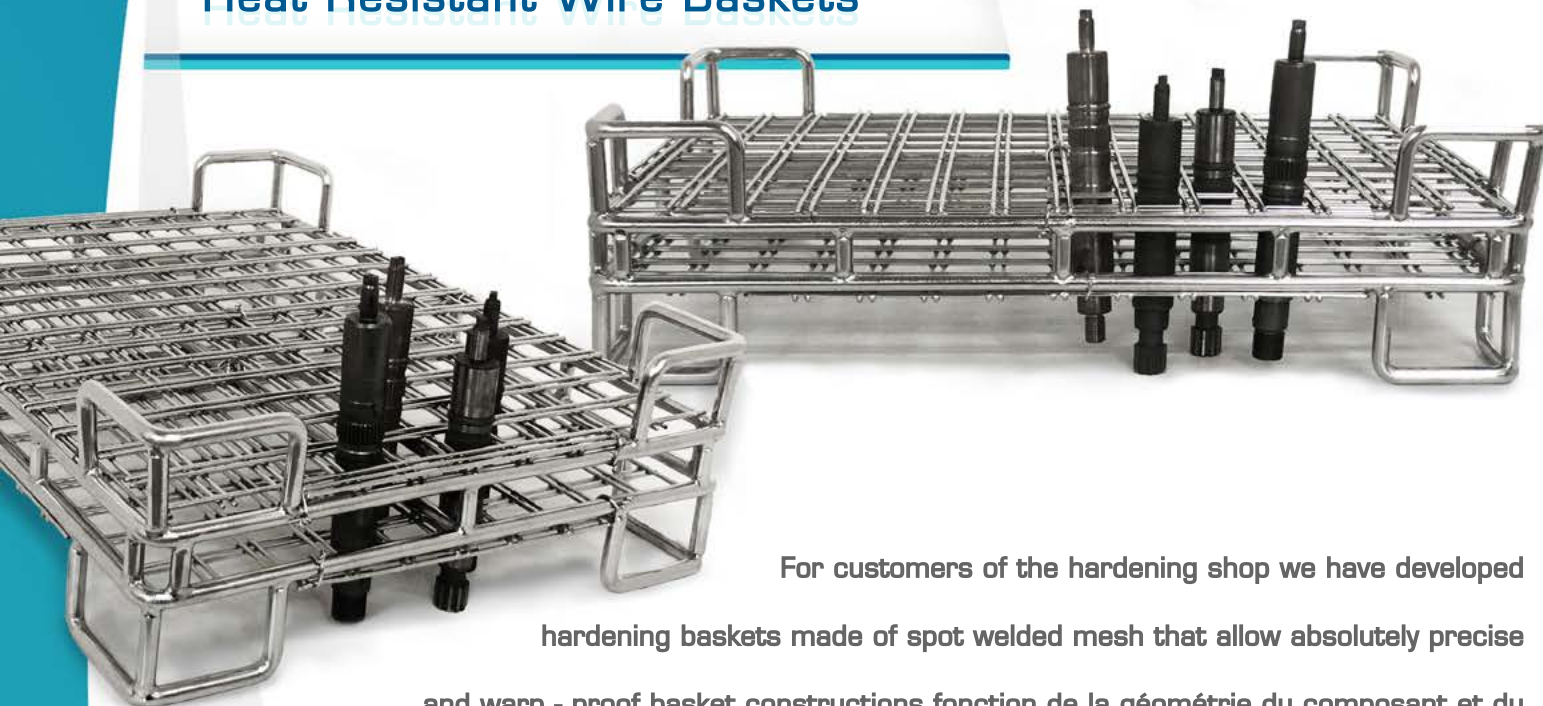


Advantages and properties of the workpiece carriers

- Designed individually for the respective logistics requirements.
- Workpiece-specific holders precisely adapted to the product to be picked up.
- Depending on the handling technology, manual and / or automated loading of workpiece carriers is possible.
- Very high positioning accuracy.
- Optimal workpiece cleaning thanks to the design.
- Material made of stainless steel, electropolished.
- Low dead weight with maximum stability and rigidity.
- Good washing properties.
- Wide range of options.
- Can be equipped with workpiece-specific inlays for surface-friendly handling.
- Minimum space requirement.
- Material selection from materials such as steel, stainless steel, aluminum or combinations.



Heat Resistant Wire Baskets



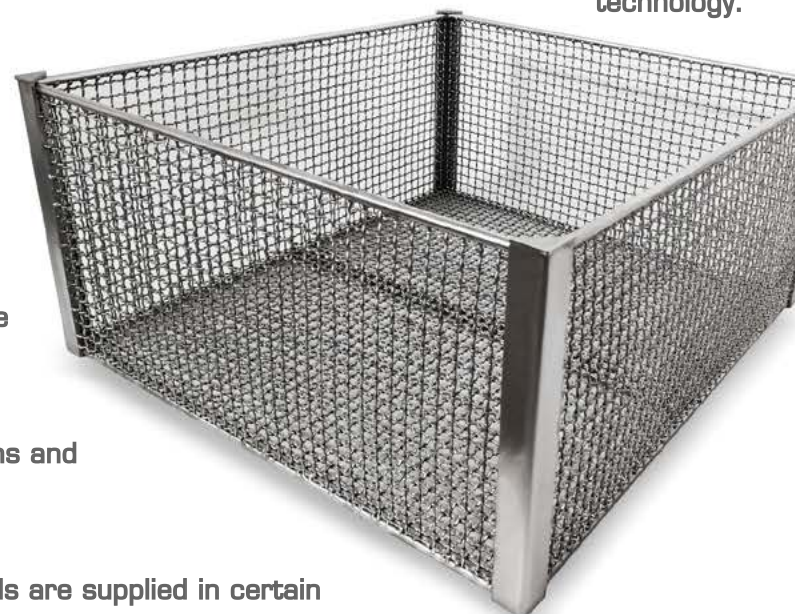
For customers of the hardening shop we have developed hardening baskets made of spot welded mesh that allow absolutely precise and warp - proof basket constructions. fonction de la géométrie du composant et du volume de la pièce. Selon le poids de chargement, les parois latérales et le plancher sont renforcés par des barres rondes supplémentaires. The spot welded grid (meshes available as required) is connected to a robust steel frame with several 2mm steel wires. We also supply the spot welded mesh with the finished steel frame for hardening shops and for other innovative concepts in the field of heat treatment and materials technology.

Heat Treating Baskets

We manufacture wire mesh covers for base and tier grids as well as wire mesh baskets individually tailored to customers or systems and parts requirements.

Grids and charging racks or charging aids are supplied in certain standard dimensions or according to individual customer requirements.

These are optimally designed for the components to be treated.



Heat Treatment Baskets

Workpiece Carriers and Baskets for extreme use

We specialize in welding products in the field of heat-resistant charging aids as well as in metal construction. Individual carrier systems precisely support the work processes from the production of the raw parts to the final assembly.

- Optimal workpiece handling.
- Customer-specific workpiece holder.
- No repositioning of the parts in the production process.
- Protection against damage.
- Particular reliability in all process stages.
- Can be used for external transport.

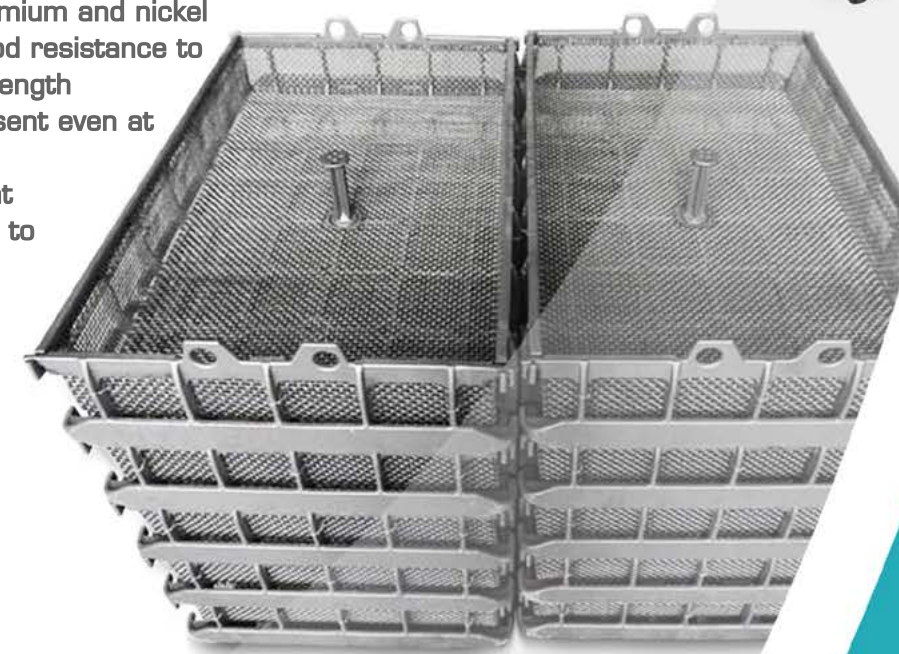
In order to guarantee these advantages even in extreme temperature applications, we also manufacture the workpiece carriers from heat - resistant stainless steel.

Continuous operation in air up to approx. 1150 ° C with temperature changes up to approx. 1000 ° C perfectly suitable for heat treatment.

We use according to customer requirements:

- EN 1.4845 / AISI 310S
- EN 1.4841 / AISI 314

Both materials are heat-resistant steel. Due to the higher chromium and nickel content and have a good resistance to oxidation. The good strength properties are still present even at higher temperatures. Both also have excellent chemical resistance up to 1100°C.



Sterile Goods Baskets, Instrument Trays and Baskets



Neri offers a comprehensive range of versatile stainless steel wire baskets for various purposes in healthcare facilities.

The sterile goods baskets, instrument sieves and baskets are the optimal basis for the quick and economical cleaning and sterilization of your instruments and work equipment. The robust and solid design guarantees longevity. The electropolished stainless steel surfaces ensure the highest degree of cleanliness.

Well thought - out special productions rationalize processes quite decisively.



Medical Baskets

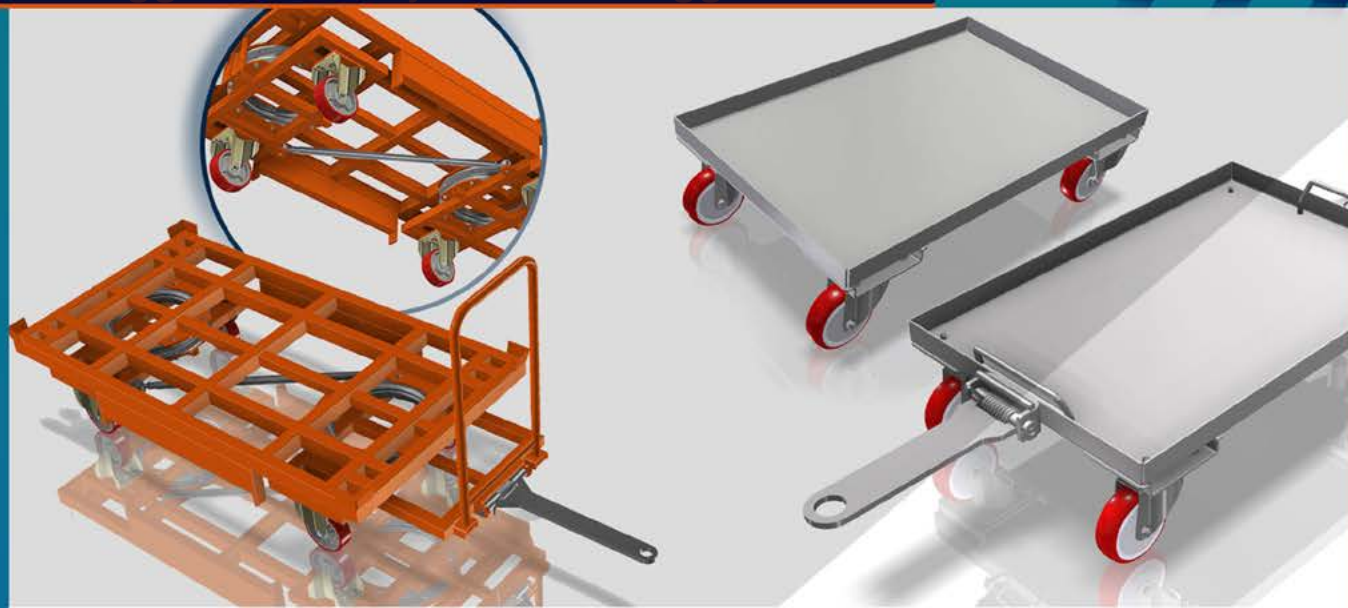


The hygienic design and the ergonomic handling offer the user a comfortable use. Our products are focused on this basic principle, but are also perfectly tailored to the requirements of modern hospitals and laboratories.



Intelligent designs and high-quality workmanship ensure long service life while meeting all aesthetic and functional requirements.



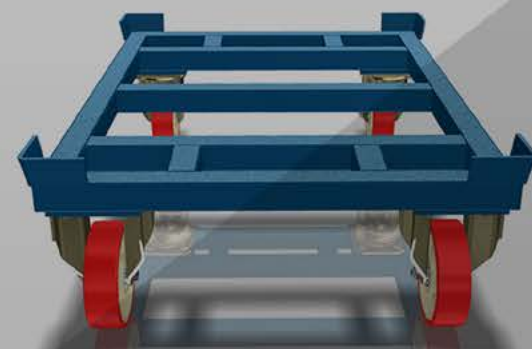


Tugger train systems have become an indispensable part of modern industrial production. They bundle the transports with small Tugger carts and increase the delivery frequency in order to reduce the supply quantities on assembly lines.

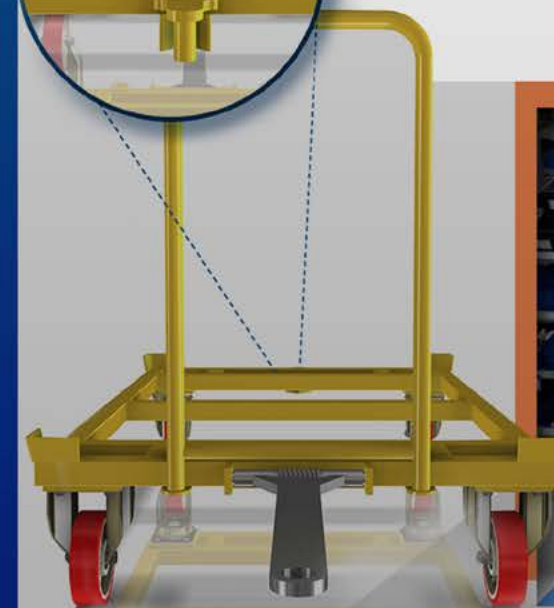
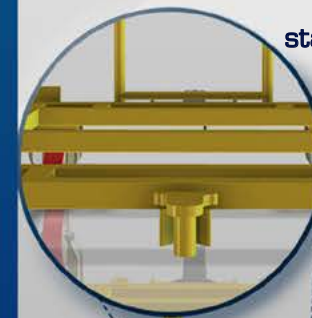
Whether inside or outside, whether small or large, whether heavy or light - with the tugger train systems from Neri you will find exactly the right tugger train solution for your requirements. We offer you tailor-made tugger train solutions from simple applications to connect up to six chassis to one train.

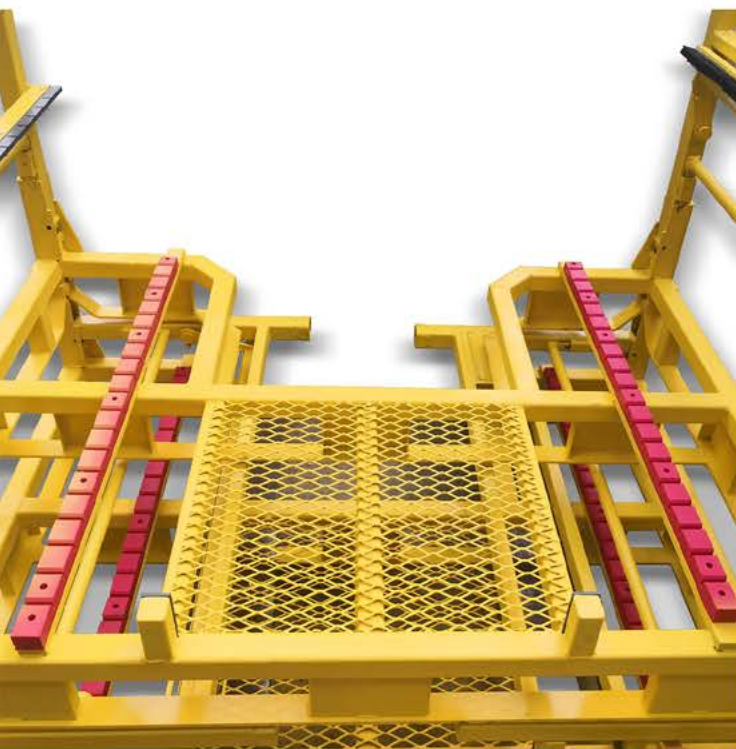
DOLLIES, ROLLERS

Stackable rollers are developed to optimize the material flow in modern forklift-free productions. Produced lots are converted into mobile units, providing the following conveniences for businesses that implement lean production.



- Neri products have excellent directional stability, even when cornering, and deliver convincing transport performance in the tightest of spaces.
- Loading and unloading possible on one or both sides as required.
- Coupling and drawbar can be customized.
- Experience has shown that the trailer modules are suitable for all conceivable loads and goods to be transported - from pallets and wire baskets to individual items.
 - All tugger train models and industrial trucks naturally have a high level of tipping stability. Tight turning circles are suitable even for difficult spaces.
 - Special driving maneuvers such as side parking, maneuvering and short reversing are possible.





Special load carriers / Transport Racks / Special Racks / Returnable Steel Rack Systems / Custom Steel Shipping Racks

We develop the right special solution for the transport and storage of your products, tailored to your application.

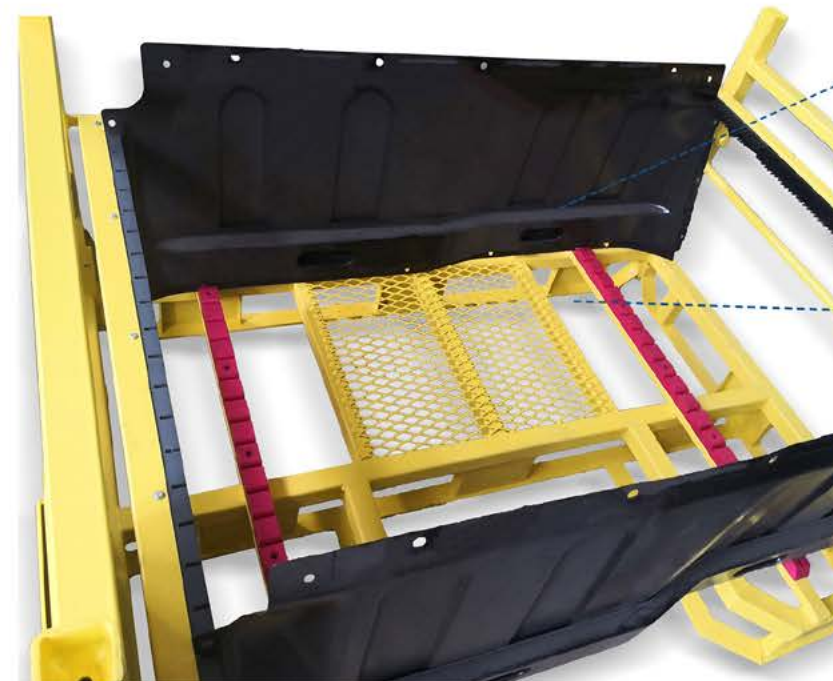


From the model to pre-series and to series production:

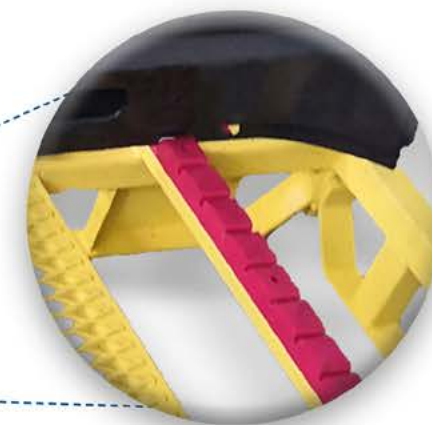
We manufacture and support your load carrier development up to the start of production. We implement economical and tailor - made steel solutions for you.



Individual solutions for your logistics tasks



Custom steel racks and automotive racks are our specialty.



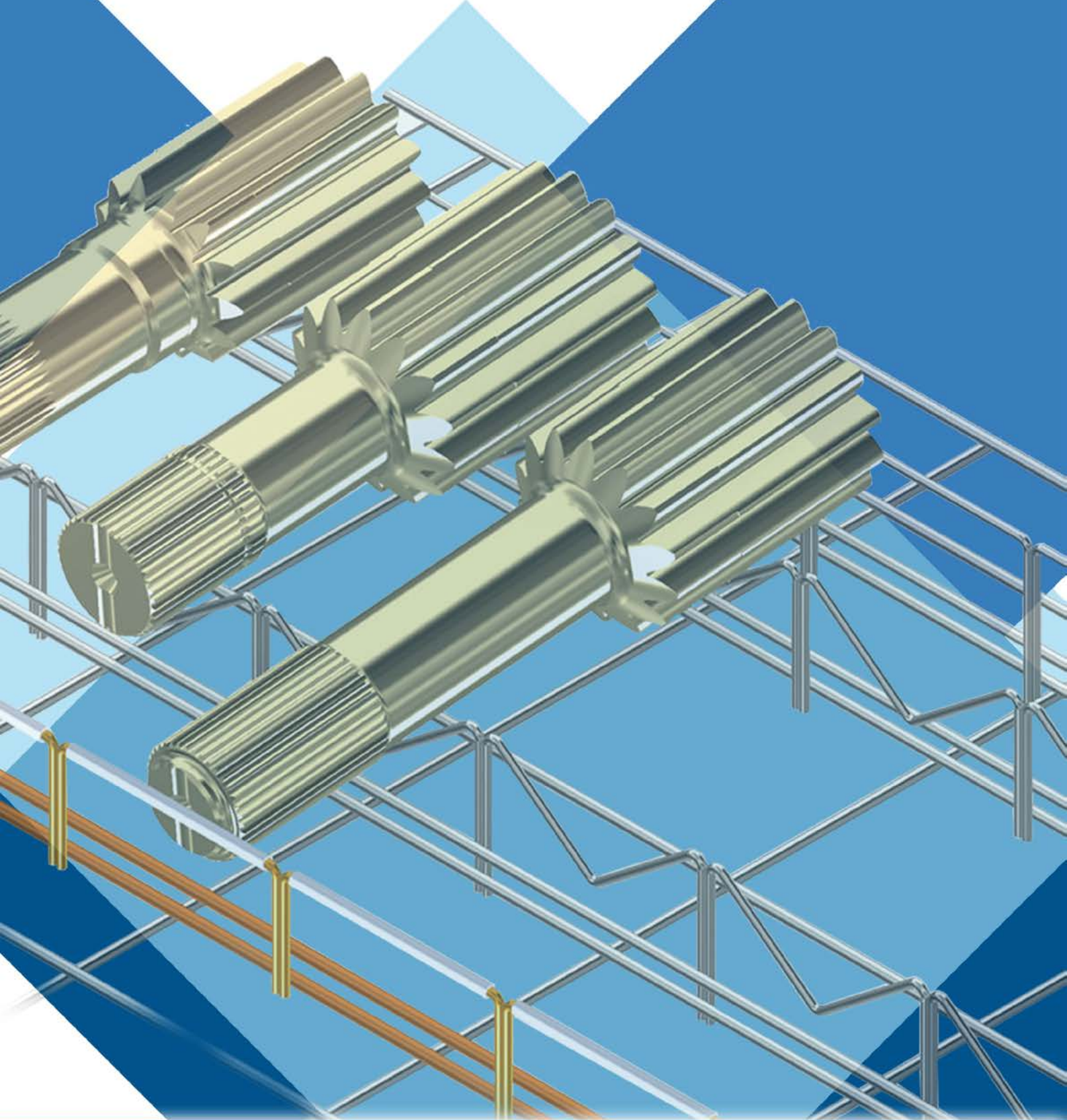
With the knowledge of our employees and the experience from many projects, we regularly come up with practical and economically interesting solutions for your special racks.

We develop concepts for you made of steel in connection with wood, plastic and foam and build special racks for the transport, especially for the automotive industry.





« Passion for precision »



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