



SEEMANN
quality starts with innovation



English



RACKS FOR YOUR SURFACES

Functionality & quality in the first place



SEEMANN GESTELLBAU GMBH

Industry leader for over 60 years

Seemann Gestellbau GmbH is an innovative and market-leading supplier to the surface treatment industry based in Villingen-Schwenningen, Germany. Since the company was founded 1962, the traditional family business, has been developing high-quality electroplating racks and painting jigs. The customers consist mainly of national, but also international electroplating and painting companies. Many years of industry experience, 75 qualified and motivated employees and a vertical range of manufacture of over 90% guarantee the high quality of the custom-made products.

Our in-house technical design department develops optimal racks and jigs, which are individually adapted to your requirements. With the help of modern 3D designs, part arrangements and entire flightbar situations can be visualized.

Our top priority is the product quality and the face-to-face contact with our customers. The concept of Seemann Gestellbau GmbH is also based on the continuous modernization and expansion of existing production methods in order to further expand its leading position in the industry.

We offer you the perfect solution for your surface treatment!

OUR SERVICES

As a qualified partner in surface technology, we support our customers in all areas of frame design. Profound knowledge, trained specialists and personal customer contact are our top priorities.

Personal advice

Our experienced project managers will advise you individually on your problems and show you proven and new solutions in rack engineering.

Customized designs

We develop and design optimal racks and devices for you, which are individually customized to meet your requirements. We also support client project planings.

Modern manufacturing

In our well-organized production facility, we manufacture high-quality racks for all chemical and electrolytic surface finishes as well as painting and powder coating processes.



Would you like to find out more about our services? Then take a look at our video from the series "Rack design simply explained" series on the topic of the **customer journey!** [Available only in german]

COSTUMIZED RACKS

The correct design and dimensioning of the jigs and racks is crucial for the quality and cost-effectiveness of surface coating. Our project managers work closely with the in-house design department and our customers to determine the optimum fixture for the components, the possible number of parts and the product carrier layout. Depending on the coating process, the necessary current parameters are calculated in relation to the surface treatment. These results are used to select the material and dimension the required cross-sectional area of material.

With the help of modern 3D design, part arrangements and entire goods carrier situations can be visualized. In case of rotating and tilting racks, we are able to simulate the motion sequences of two- and three-dimensional component movement. For this purpose, we import component data directly into our CAD-system and thereby achieve a high level of accuracy for the racks.



DEVELOPMENT AND PRODUCTION

Electroplating racks

- For electrolytic and chemical processes
- Bar and frame racks
- Several ISOFAN plastic coatings



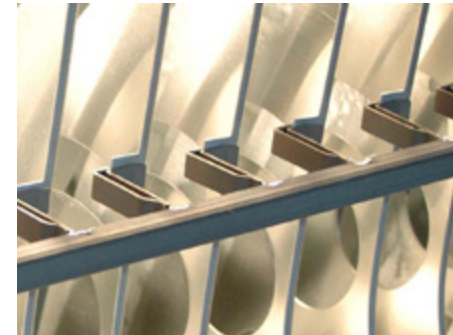
Rotation racks

- 360° rotation of the parts
- Battery operation and adjustable rotation speed possible
- Individual and low maintenance designs



Universal racks

- Versatile, universal rack system
- Interchangeable crossbars for different components
- Shortened setup times due to coupling systems



Anodizing racks

- Made of titanium or aluminum
- Coatings possible
- Titanium covered aluminum or copper for improved conductivity

Tilting racks

- Part movement during the coating process
- Improved electrolyte exchange
- Avoidance of air pockets



Racks for painting processes

- Painting racks, KTL-racks and maskings
- Individual part clamping
- Optimal component arrangement
- Universal rack solutions



COATINGS

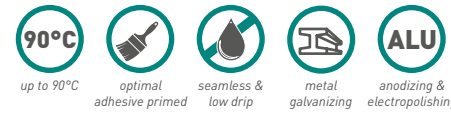
Depending on the process and requirements, several high-quality ISOFAN® plastic coatings are available for our racks.

To ensure optimum adhesion of our coatings, the workpieces run through an extensive pre-treatment and priming. This is followed by seamless and dripping-optimized plastic coating using a dipping or sintering process. An automatic dipping system ensures that all parameters are precisely observed and documented.



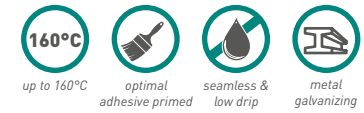
ISOFAN® ST green & red

It is the most frequently used ISOFAN® plastic coating and the absolute all-rounder for conventional electroplating processes. The coating is elastic and offers permanent protection against chemical and mechanical stresses at process temperatures up to 90°C.



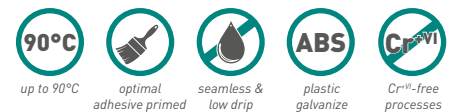
ISOFAN® HT black

The “high temperature” variant is the ideal plastic coating for all galvanic surface processes that work with higher process temperatures up to 160°C. Like all ISOFAN® coatings, it is elastic and offers optimum protection against chemical stresses.



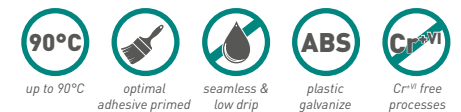
ISOFAN® SQ blue

Plastic electroplating with Cr^{+VI}-free processes places special demands on the plastic coating of the frames. Our ISOFAN® SQ blue meets these requirements and enables a long service life. High process reliability can be achieved through reduced rack metallization.



DELTA COAT CFE orange

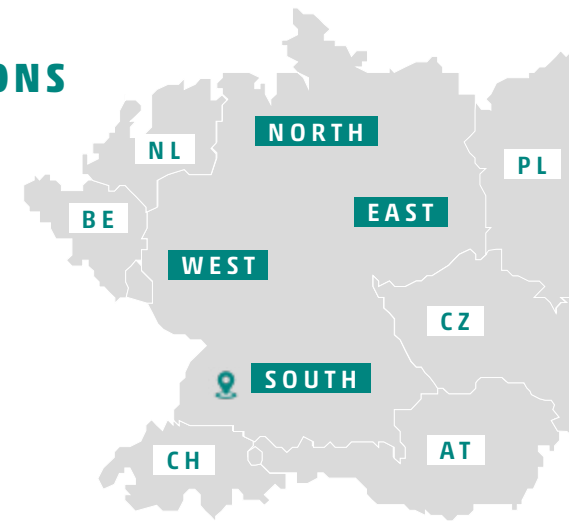
A high-performance plastisol coating specially developed for the Cr^{+VI}-free coating of plastics. It also demonstrates high stability when used with strong acids and highly oxidative media. It can be used to reduce rack metallization in certain Mn-based pickling processes.





YOUR CONTACT PERSONS ON SITE

Arrange a consultation appointment:



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REPAIR

In many cases, racks can be repaired at low cost. A special, environmentally friendly cryogenic process removes the plastic coating from the racks within a few minutes. This enables defective equipment to be repaired quickly and easily. In many cases, discarded outer racks, usually made of brass, are de-coated and reused for new rack types for the same customer. This saves costs and resources.

ARE YOU INTERESTED IN OUR PRODUCTS?

Then get in touch with us or
find more information on our
website

www.gestellbau.com



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