

GET  
IN TOUCH

Do you have any questions regarding our products or do you need more detailed information about the use of Treiber Trays in your confectionery production? Would you like to discuss your special requirements?

Get in touch with us! We'll be glad to help and are at your disposal anytime.

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**TT** TREIBER TRAYS  
Quality. By passion for detail

QUALITY.  
MADE OF PLASTIC

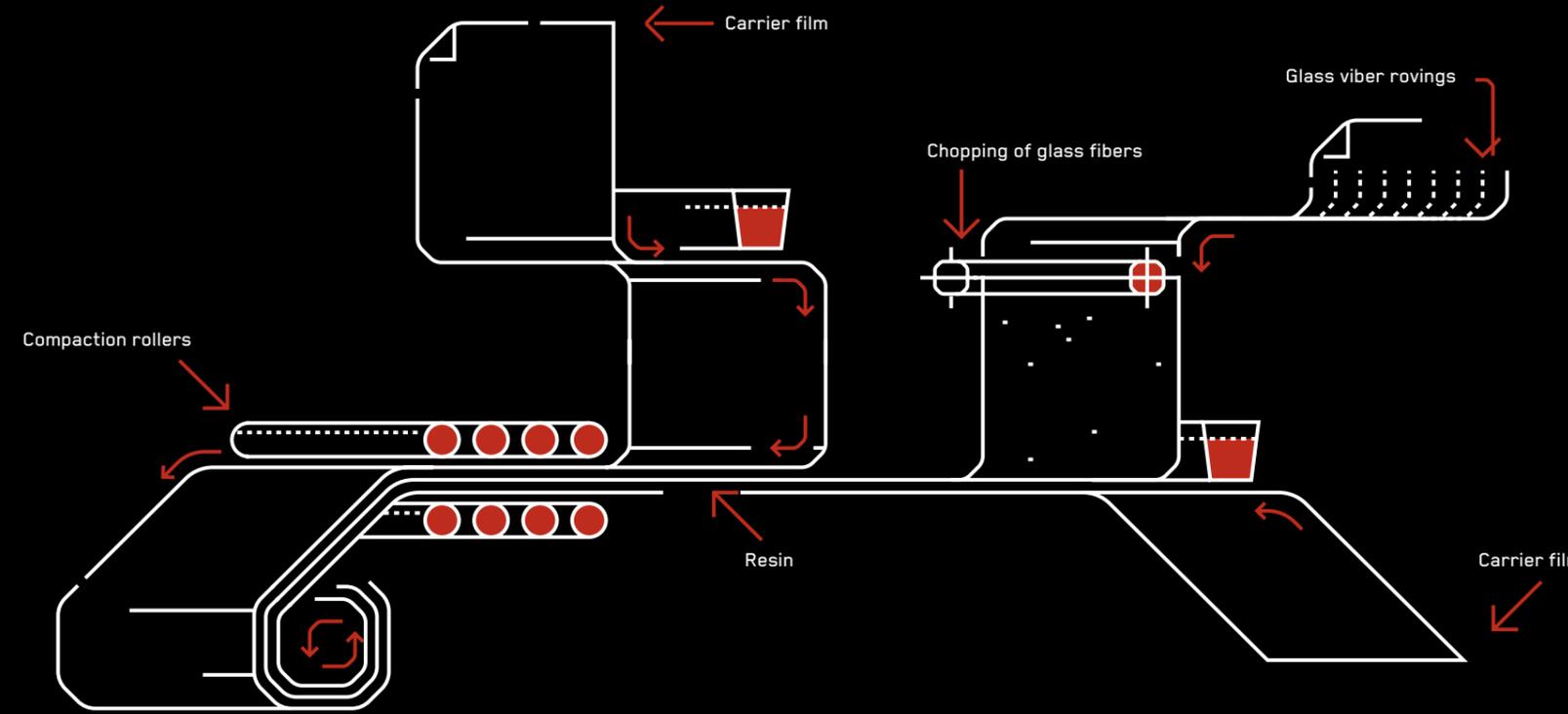
Quality.  
For you mogul plant

Quality.  
Since 1875

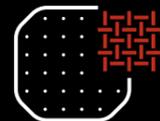
Quality.  
Made in Germany

# QUALITY. MADE OF SMC

Not all plastics are alike. Treiber Trays are made of SMC (sheet molding compound), a premium high-strength thermoset composite. This is in contrast to some other tray manufacturers using cheap thermoplastic materials, which have poor mechanical properties and warp under heat.



PROPERTY	STANDARD	UNIT	VALUE
Density	ISO 1183	g/cm <sup>3</sup>	1,85
Shrinkage	ISO 2577	%	0,00
Heat Distortion Temp.	ISO 75	°C	→ 200
Tensile Strength	EN ISO 527-4	MPa	55
Flexural Strength	EN ISO 14125	MPa	140
Impact Strength	EN ISO 179	kJ/m <sup>2</sup>	60
Fire Retardancy	UL 94		



## Plastic. Reinforced by glass fibers

- + SMC is based on a matrix consisting of polyester resin, glass fibers, mineral fillers and a number of additives
- + The fiberglass reinforcement dramatically improves strength and resistance



## Resistant material. Ideal for trays

- + High mechanical resistance
- + Heat resistance
- + Resistance to chemicals



## Optimized. Short delivery routes

- + Suppliers are all located in Germany. Some are less than an hour away from the production site
- + JIT delivery of the SMC and processing in highest quality
- + The material suppliers also supply the automotive sector (Daimler, BMW), fulfilling the highest quality standards



## Certified. Food-safe material

- + All materials used have been independently tested and certified to Regulation (EU) No 10/2011 on plastic materials and are listed in the USFDA Code of Federal Regulations, Title 21 section 177
- + Customers can receive a declaration of conformity upon request



## QUALITY. THROUGH MODERN PRODUCTION

In a stack of 3.30 m, each starch tray needs to be stacked perfectly on top of another. This is why every tray must be of the exact same geometrical dimensions. There is no room for tolerances.

Compression molding ensures the required accuracy and reproducibility. Modern press systems and accurate shaping tools guarantee consistent high quality even when producing batches involving hundreds of thousands of trays.

### Precise and durable pressing tools

- + The key to consistent high quality and reproducibility is the quality of the shaping pressing tool
- + That is why we particularly value first-class pressing tools "made in Germany". Our toolmakers have decades of experience in plastics processing and also manufacture tools for Daimler and BMW
- + Tool manufacturing for your customized tray design in a very short time frame

### Modern and accurate presses

- + Tray manufacturing with high-speed, high-precision presses
- + Optimal efficiency of the production process ensures high production output and low costs
- + Guarantee of reproducible parts quality



QUALITY.  
ENHANCES YOUR PRODUCTIVITY

Get the most out of your Mogul operation!  
Less downtime, maximum output.



No slipping!

#### Trouble-free stacking

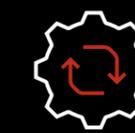
- + Trays always stack perfectly one on top of the next - even when produced in batches of millions
- + The trays' design and finish prevent the trays and starch from slipping
- Treiber Trays guarantee safe transport of your candy in the stacks



No splinters!

#### Easy handling. Clean production

- + Precisely shaped gaps between the feet allow for secure gripping and loading of your Mogul
- + Use of high-quality SMC prevents wear, splinters and abrasion
- Treiber Trays ensure efficient and clean production



No jamming!

#### Smooth transport

- + Accurately worked trays run smoothly through all kinds of transport systems
- + Trays don't jam. This reduces your downtime significantly
- Treiber Trays support highly-precise and rapid depositing

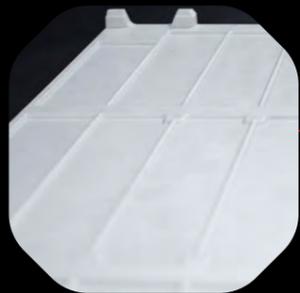


# QUALITY. IN EVERY DETAIL

Treiber Trays has been known for its quality starch trays for more than 70 years. Take a closer look at what this means.



**RADIAL EDGES**  
Defined by the pressing tool.  
Less manual reworking



**HIGH-STRENGTH RIBBON STRUCTURE**  
More stability.  
No warping



**ROUGHENED SURFACE**  
Prevents starch from slipping  
during transport



**ROUNDED CORNERS**  
No sharp edges  
= No splinters and less abrasion



**SAVED MATERIAL**  
Lower weight  
and material costs

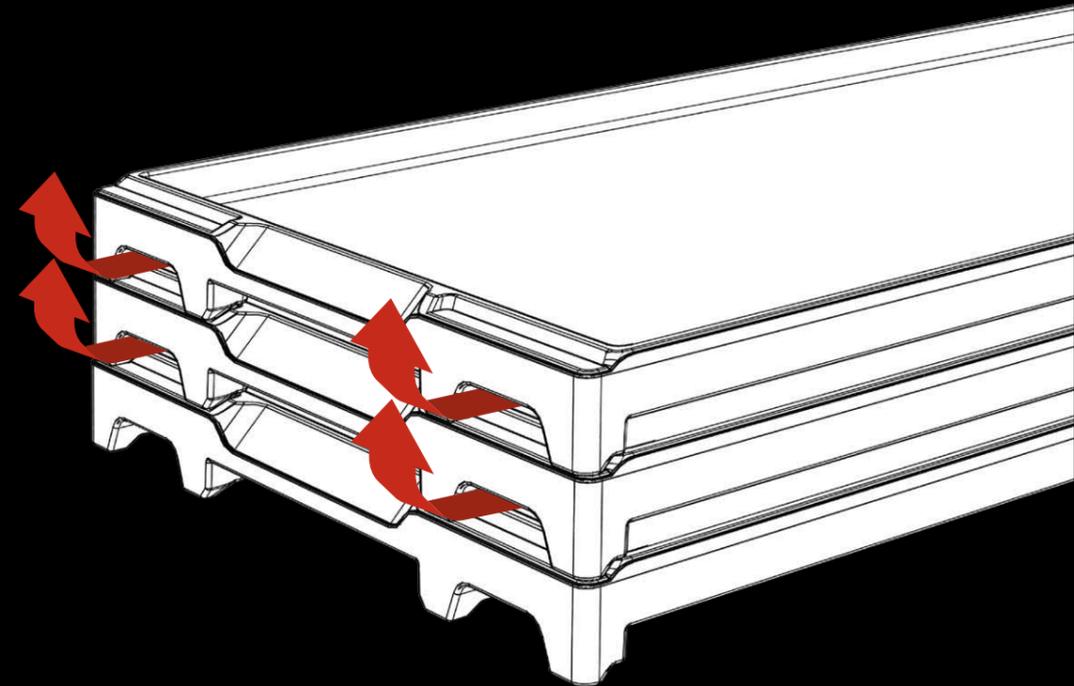
# QUALITY. THROUGH INNOVATION

## The traditional plastic tray design

More than 40 years ago, the first plastic tray manufacturer copied the design of the existing wooden trays. Since then, plastic trays have looked largely like wooden trays. But due to this copy, the traditional plastic tray design has not fully utilized the potential and material benefits of plastic.

## New innovative design by Treiber Trays

To exploit the full potential of plastic, Treiber Trays has developed a new and improved plastic tray design. The tray's characteristic features are the innovative gaps in the feet and the chamfer on the short tray side.



## YOUR BENEFITS

### Improved air circulation. Reduced drying time

In the old plastic tray design, the feet of the trays prevent the hot air from flowing in the drying room. In contrast, the opening in the feet of the new Treiber Tray improves the circulation of the hot air in the drying room. This maximizes your productivity by reducing the drying time of your products.

### Saving weight. Saving energy

The new plastic trays are approximately 300 grams lighter than traditional trays. On a mogul with 30,000 trays, therefore, you save 9,000 kg of weight. This weight saving reduces your energy costs and the wear of your mogul.

### Lower material costs. Favorable prices

Every gram of material counts because every gram costs money. By reducing the required material whilst improving functionality, Treiber Trays saves material costs and can offer you a favorable price.

### Exclusive design. Protected by international patent

The new plastic tray design is exclusive to customers of Treiber Trays. It is internationally protected by a PCT patent and registered in Germany.