



SCHÜTZ F1 & F2 TIGHT-HEAD DRUMS





**SCHÜTZ**  
PACKAGING SYSTEMS

As an international supplier of packaging systems we consistently adapt our product range to meet the needs of our customers. SCHÜTZ supplies both global standard drums as well as customised product solutions for regional requirements and specific applications.



**The global SCHÜTZ  
plastic tight-head  
drum portfolio:**



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# SCHÜTZ F1 tight-head drums.

The SCHÜTZ F1 tight-head drum is a true global player. It is produced at all SCHÜTZ sites on all continents to the same design and specifications. Its outstanding characteristics are high dimensional accuracy and exceptional overall performance.

These superior characteristics are the result of the patented design and the use of new, highly developed plastics, which further enhance the advantages of the F1 over conventional standard drums:

- Better performance in drop test under cold conditions
- Greater impact strength at low temperatures
- Increased chemical and stress crack resistance
- Significantly increased stacking stability



<b>SCHÜTZ F1 TIGHT-HEAD DRUMS</b>	220 litres	(US) 208 litres
<b>Exterior height</b>	935 mm	882 mm
<b>Exterior diameter</b>	581 mm	592 mm
<b>Type of tight-head opening</b>	S70 x 6/S56 x 4	2"buttress x 2"NPS
<b>Hazardous goods certification (min.)</b>	UN 1H1/Y1.9/200/...	UN 1H1/Y1.9/150/...
<b>Weight</b>	8.1 kg	8.8 kg

*The drum types and filling opening models shown here comprise our standard line. We will be glad to answer your enquiries about customised designs and additional technical details regarding our drum types.*

# SCHÜTZ F2 tight-head drums.

The SCHÜTZ F2 drum for our markets in Asia-Pacific offers the same properties as the globally produced SCHÜTZ F1 drum. In addition to the upper handling ring of the F1 drum, the F2 design has a handling ring at the bottom of the drum.

The F2 geometry was developed with particular attention to optimising manual drum handling characteristics:

- Base ring makes it easier to roll
- Secure hold when using belts, ropes and straps



**SCHÜTZ F2 TIGHT-HEAD DRUMS**

	210 LITRES	235 litres	250 litres
<b>Exterior height</b>	920 mm	1,020 mm	1,060 mm
<b>Exterior diameter</b>	581 mm	581 mm	581 mm
<b>Type of tight-head opening</b>	S56 x 4 (2x)	S56 x 4 (2x)	S56 x 4 (2x)
<b>Hazardous goods certification (min.)</b>	UN 1H1/Y1.6/200/... UN 1H1/Y1.9/200/...	UN 1H1/Y1.6/200/... UN 1H1/Y1.9/200/...	UN 1H1/Y1.6/200/... UN 1H1/Y1.9/200/...
<b>Weight</b>	9.2 kg 10.2 kg	9.4 kg 10.4 kg	9.8 kg 10.5 kg

*The drum types and filling opening models shown here comprise our standard line. We will be glad to answer your enquiries about customised designs and additional technical details regarding our drum types.*

# The advantages of the SCHÜTZ F1 & F2.

Global availability and universal usability make the SCHÜTZ F1 tight-head drum the perfect all-round product for companies that operate globally. The innovative design and advanced manufacturing methods also characterise the F2 model and offer decisive advantages compared to conventional tight-head drums in the form of new standards in performance and handling.

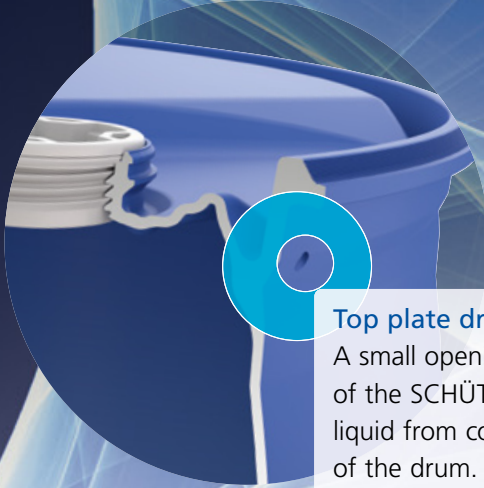
## Suitable for automatic filling lines

The bungs are precisely calibrated and the bottom plate, which is optimised for automatic filling systems, has excellent stability and handling characteristics.

## Efficient transport and easy handling

The drum dimensions are optimised for transport in ISO containers. The stable upper ring and the grip hole in the F1 base guarantee easy handling – and can be easily moved with all standard drum grippers. The additional F2 bottom ring makes manual handling easier.





#### Top plate drainage

A small opening in the handling-ring of the SCHÜTZ F1 & F2 prevents liquid from collecting on top of the drum.



#### Best residual draining

The optimised geometry of the upper plate with sloping sides enables residual draining to less than 100 ml (in accordance with VPA) through both bung holes.

#### Best stackability

The upper ring is higher than the top plate, meaning that the weight is transmitted to the drum walls and not to the top, like in conventional drums.



SCHÜTZ F1 & F2 drum

Standard drum



#### Optimum protection of bungs and labels

The bungs and labels are ideally protected during transport and stacking due to the higher upper ring.

#### Low tare weight

Reduced material quantity and compliance with the highest safety standards gives the F1 & F2 drum an excellent eco balance.

# SCHÜTZ AUTOMATIC LOCK.

The innovative seal cap system with the SCHÜTZ AUTOMATIC LOCK originality seal protects your filling products from tampering or contamination. It is impossible to open the plug without destroying the seal cap. Suitable for manual and automatic fitting.

The system consists of a red or white sealing cap and a corresponding plug with special latching hooks. Two sizes available – suitable for different bung designs.



**G2-D78**

■ S56x4



**G2-D88**

■ S70x6

■ G2x5

■ G2x11,5

■ S56x4

■ S71x4





Discover the advantages compared to other sealing caps:

- The cap is held by the plug, not by the bung
- Real seal function, no removal without destroying the cap
- Self-centering system which is suitable for automatic fitting
- Made of hygienic and non-corrosive material
- FOODCERT approval – perfectly suitable for foods
- No tools required for opening
- Easy to open thanks to a pull ring

# SCHÜTZ FOODCERT.

Few segments have such complex demands when it comes to packaging as the food industry. To provide our customers in this segment with the comprehensive safety they require, we have introduced a new premium standard for our packaging: the SCHÜTZ FOODCERT.

SCHÜTZ F1 & F2 tight-head drums in the FOODCERT version provide the highest level of food safety with regard to **material, production process and the end product**:

- Fully conforms to the standards of international food laws
- System certification in accordance with FSSC 22000 (Food Safety System Certification)
- Certification recognised by the GFSI (Global Food Safety Initiative)
- Comprehensive preventive measures in accordance with HACCP
- Full traceability back to batch and process level
- Halal and kosher certification
- Regular microbiological controls of the finished packaging
- The drums are individually packed and stored in covered areas prior to shipping

Includes system certification to FSSC 22000

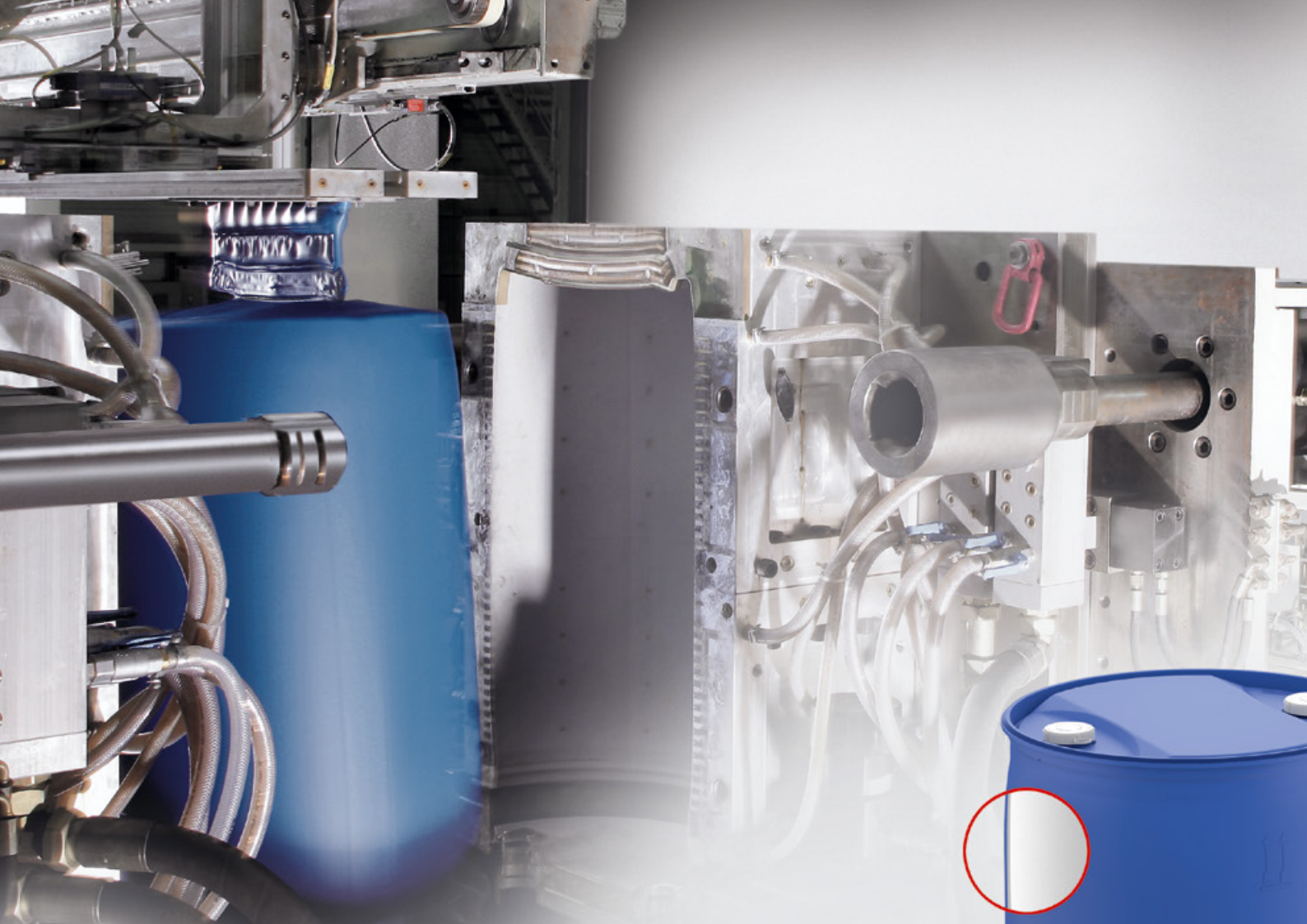


# SCHÜTZ CLEANCERT.

Packaging is a key quality factor in an increasing number of industries. SCHÜTZ CLEANCERT is the new packaging standard for applications where safety and technical cleanliness play a key role. Compliance with the highest product purity and complete avoidance of contamination starts with the materials that are used and must be firmly anchored as a principle along the entire production chain.

CLEANCERT is the highest cleanliness and safety standard for product and process that SCHÜTZ offers:

- Comprehensive risk prevention measures in production based on extensive HACCP analyses according to FMEA methodology
- Finished packaging has the highest technical cleanliness
- Full traceability back to batch and process level
- Material of components that come into contact with the filling good free of silicones
- The drums are individually packed and stored in covered areas (optional) prior to shipping



**Option: Inside Layer Natural**  
To ensure the highest material compatibility the drums can optionally be produced with an inner layer made of undyed, high purity HDPE.



SCHÜTZ F1 & F2 tight-head drums in the CLEANCERT version are ideal for use in highly quality sensitive areas, such as:

- Paints and varnish producing and processing industries
- Cosmetics and hygiene products
- Pharmaceuticals industry
- Semi-conductor and electronics industries

# Quality and dependability.

We aim to supply our customers with optimum drum solutions, and that is why we are continually expanding our range of PE drums and increasing our market coverage. SCHÜTZ's global safety, health protection, environmental and quality management systems ensure that our packaging always meets the very highest standards.

To provide seamless availability of our products and the highest delivery flexibility we are constantly expanding the global SCHÜTZ production network.

Our production system is certified in accordance with international standards.

All QM-relevant processes and parameters are standardised worldwide and compliance is permanently monitored through central guidelines and on-going controls.





## ISO 45001

SAFETY AND HEALTH  
PROTECTION

## ISO 14001

ENVIRONMENTAL  
MANAGEMENT

## FSSC 22000

FOOD SAFETY  
PRODUCT AND PROCESS

## ISO 9001:2015

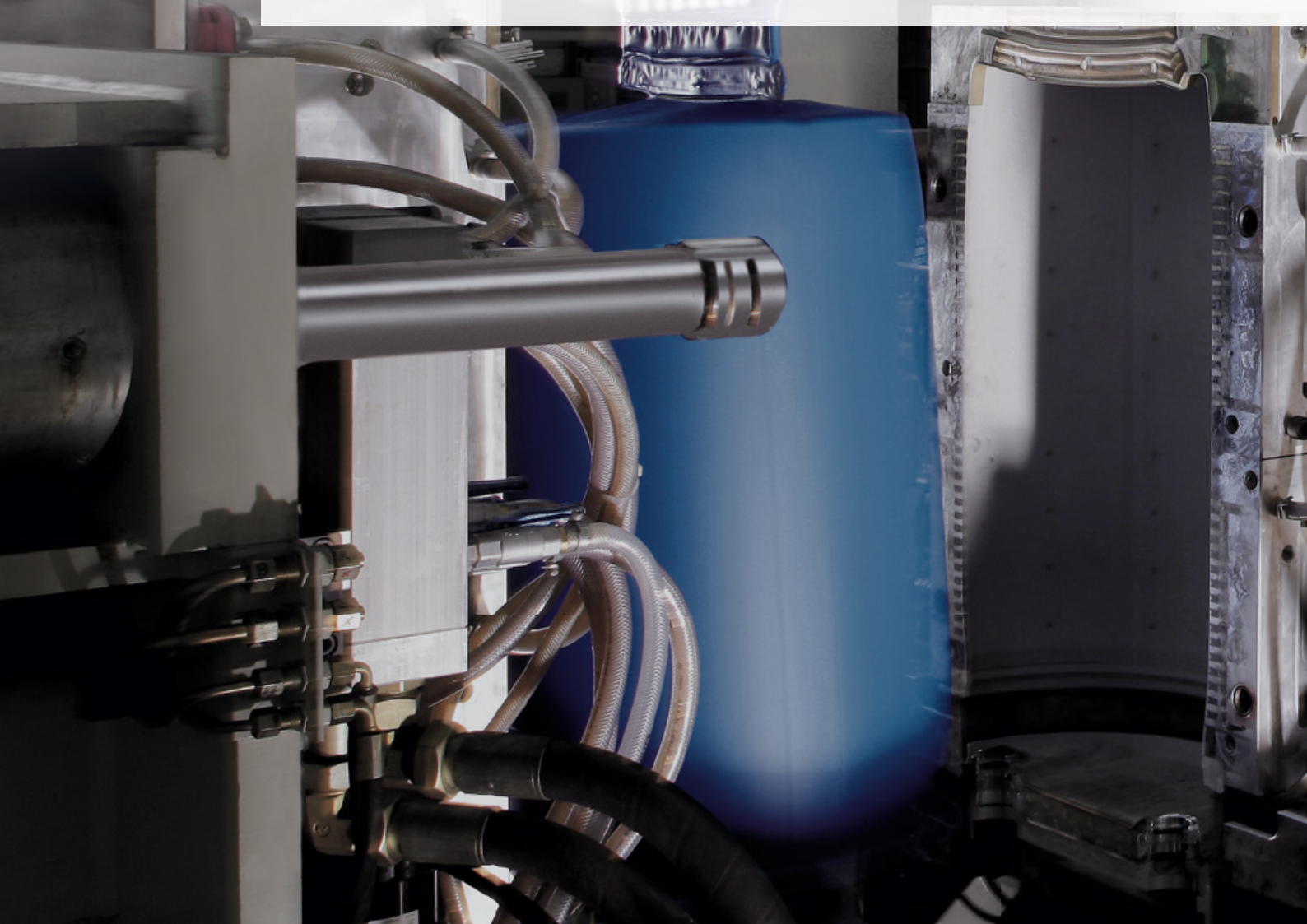
QUALITY MANAGEMENT

Regular audits and monitoring by external experts are backed up by permanent process and laboratory tests in our own testing labs to guarantee permanent quality control.

Our products for special applications (e.g. for hazardous goods or for use with foods) fully comply with all international legislation and have the appropriate certifications.

# Innovative technologies.

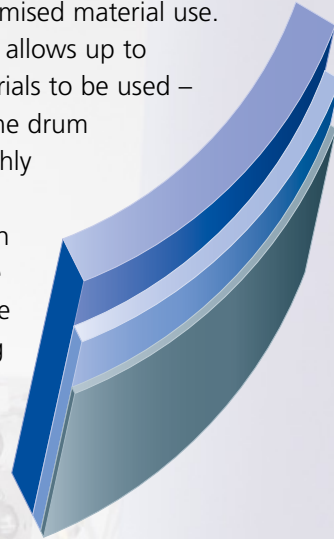
The global SCHÜTZ production system is based on the core competence in metal and plastics processing we have built over a period of many decades. We not only focus on the development and production of high quality packaging, we also design and build all the equipment, machinery and tools we need for production.





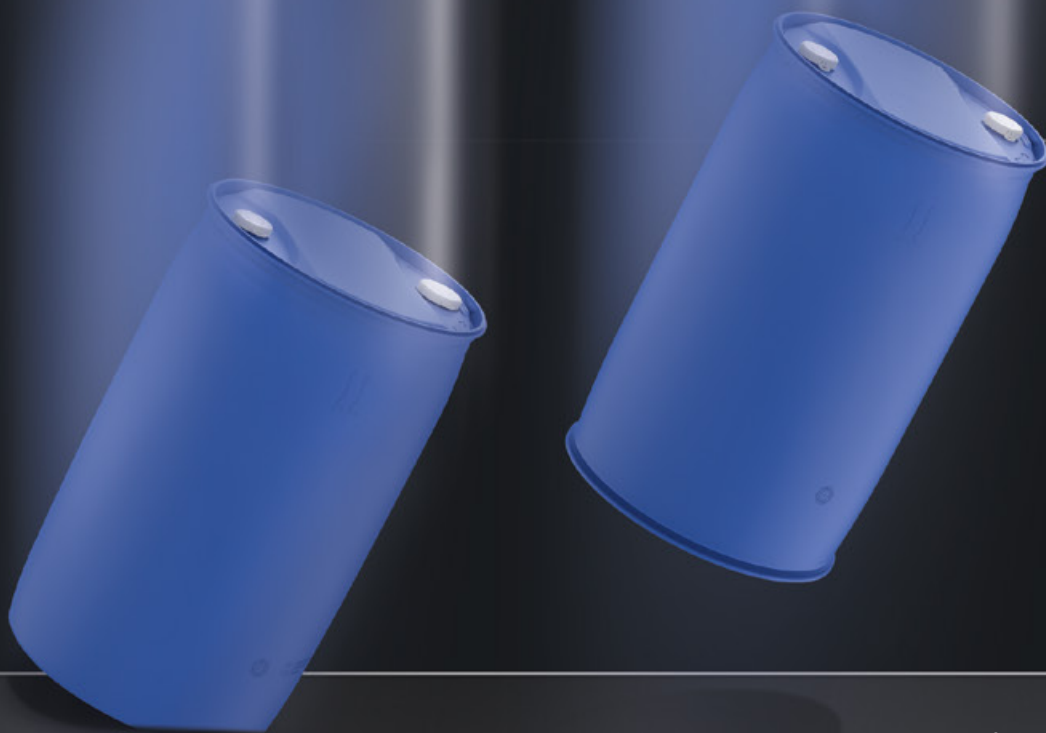
The key technology behind the superior performance of our PE drums is the continuous blow moulding process developed and used by SCHÜTZ:

- It guarantees consistent drum wall thicknesses without deviations, tears or inclusions, thus ensuring exceptional stability and robustness, and optimised material use.
- Multi-layer extrusion allows up to three different materials to be used – to optimally adapt the drum characteristics to highly specific applications.
- Intelligent production layouts and machine solutions, such as the dual blow moulding unit, allows us to further boost production efficiency.
- All processes have been optimised for hygiene, technical cleanliness and risk prevention, thus also allowing us to offer our customers the highest packaging standards such as FOODCERT & CLEANCERT.



# Safety & Originality.

The task of our PE drums is the safe transport of filling products while at the same time protecting the original quality until the product is needed. To achieve this we use the highest safety standards and intelligent product and process solutions.



- Our UN-approved drums exceed the standards of the type tests of the BAM (Federal Institute for Materials Research and Testing)
- Regularly conducted tests with production samples confirm this very good safety performance
- We view product safety as a complete system – which is why nearly all bungs and lids, and a large proportion of the seal caps and closures are produced in-house

3.00

2.00

Effective product protection needs to be assured across the entire supply chain. In many quality-sensitive areas it is crucial to effectively protect the filling product against tampering or contamination.

SCHÜTZ provides a complete originality protection programme:

#### PE tight-head drums

- The automatic seal cap system with SCHÜTZ AUTOMATIC LOCK originality seal
- Steel and plastic seal caps in varying sizes and colours, with or without printing



1.00

0.00




# Service & Logistics.

Which drum ideally complies with the precise specifications of your supply chain? We will be happy to advise you and supply the optimum product solution and perfectly coordinated delivery logistics to ensure smooth, continuous processes in your production chain.

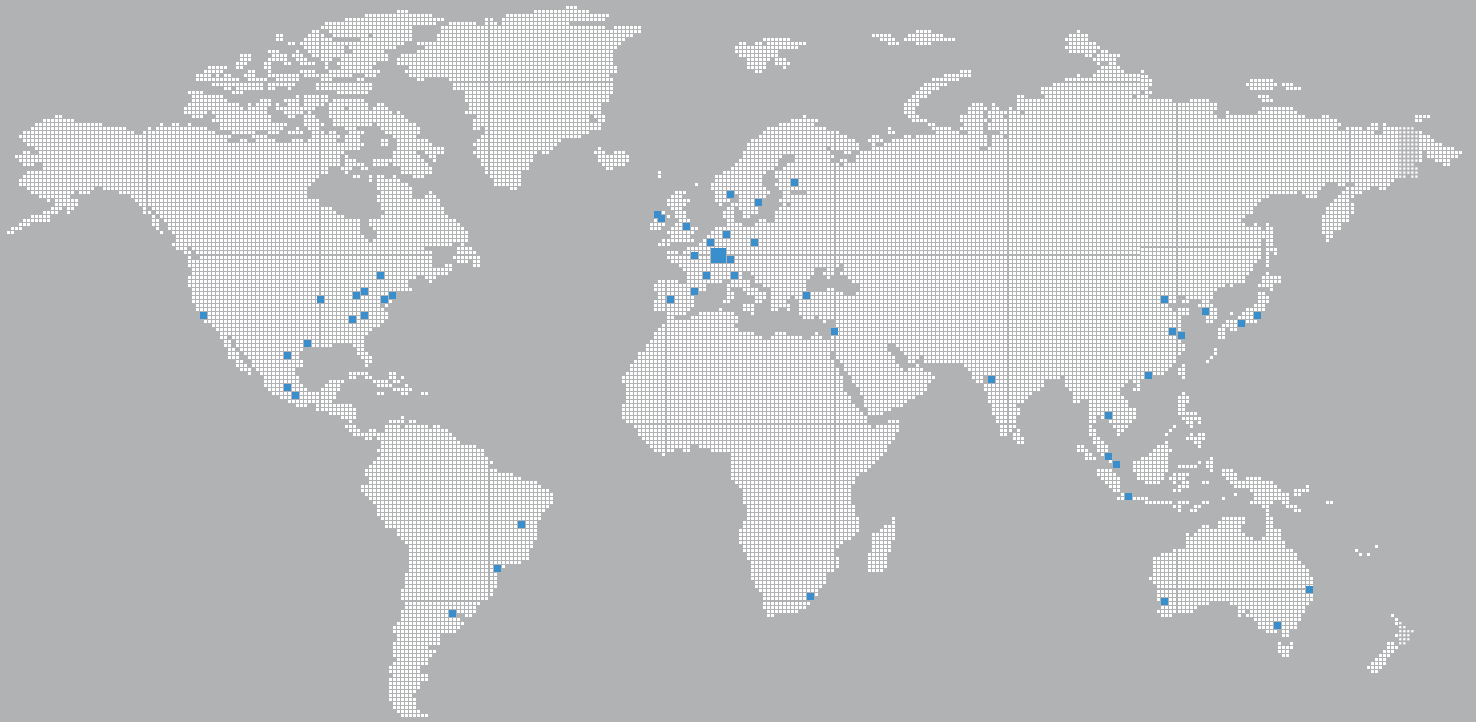
Our **Technical Customer Service** provides broad technical expertise and customer support, including:

- Product choice and optimisation
- Questions about compatibility for filling products / hazardous goods
- Topics such as compatibility with automated lines, hot filling, etc.
- Specification management
- Questions concerning handling, transport and load securing
- Supply chain management



We support your in-house processes with **individual loading plans** and **load securing measures** specially tailored to your requirements. We offer a choice of delivery options for our SCHÜTZ drums:

- Truck trailers
- Truck swap trailers
- ISO box containers



With our worldwide production and service network,  
we are also close to you.

All SCHÜTZ locations can be found at:  
[www.schuetz.net/global](http://www.schuetz.net/global)



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