



# Quality Packaging made of Steel and Fibre.

Drums for the transport of hazardous goods.

Tight head drums.

Open head drums.

Composite drums.

Fibre drums.

Special versions.

# Your Reliable Partner for Industrial Packaging

Müller Packaging – quality leader in the production of industrial packaging made of mild steel, stainless steel and kraft liner – manufactures in its Swiss locations Münchenstein and Reiden UN-approved packaging for liquid and solid hazardous goods. It offers customer solutions including tight head, composite and open head drums in various versions and sizes, up to a capacity of 250 liters.

The in-house design department together with the machine and tool building departments ensure that service and maintenance drive the further development of Müller's production while implementing quickly and reliably customer requirements.

Müller Packaging has positioned itself as an innovative and competent partner in markets all around the world. Customers appreciate the high and constant quality and the consistent adherence to schedules. In 2015 Müller was certified according to FSSC 22000, an international standard for food safety management systems.

## **Müller Packaging is a member of the Müller Group.**

The four companies in the Group develop, manufacture and sell

- industrial packaging made of mild steel, fibre, plastics and stainless steel,
- storage, transport and process vessels out of stainless steel as well as
- handling, dispensing and GMP washer systems.

The Müller Group offers its customers individual solutions for a wide range of applications in the pharmaceutical, chemical, hygiene, cosmetics, flavors and fragrances, food, mineral oil, paints and coatings, semiconductor, storage and distribution industries.

The internationally oriented family enterprise with over 120 years of experience has 400 employees at production sites in Switzerland and Germany. The Group's worldwide presence is underpinned by a network of more than 50 representatives.

Manufacture of composite drums in the Reiden factory



# Development Competence with Industrial Know-How

Nothing in our technical world is so good that it could not be improved: faster, more efficient, smarter or simply completely different.

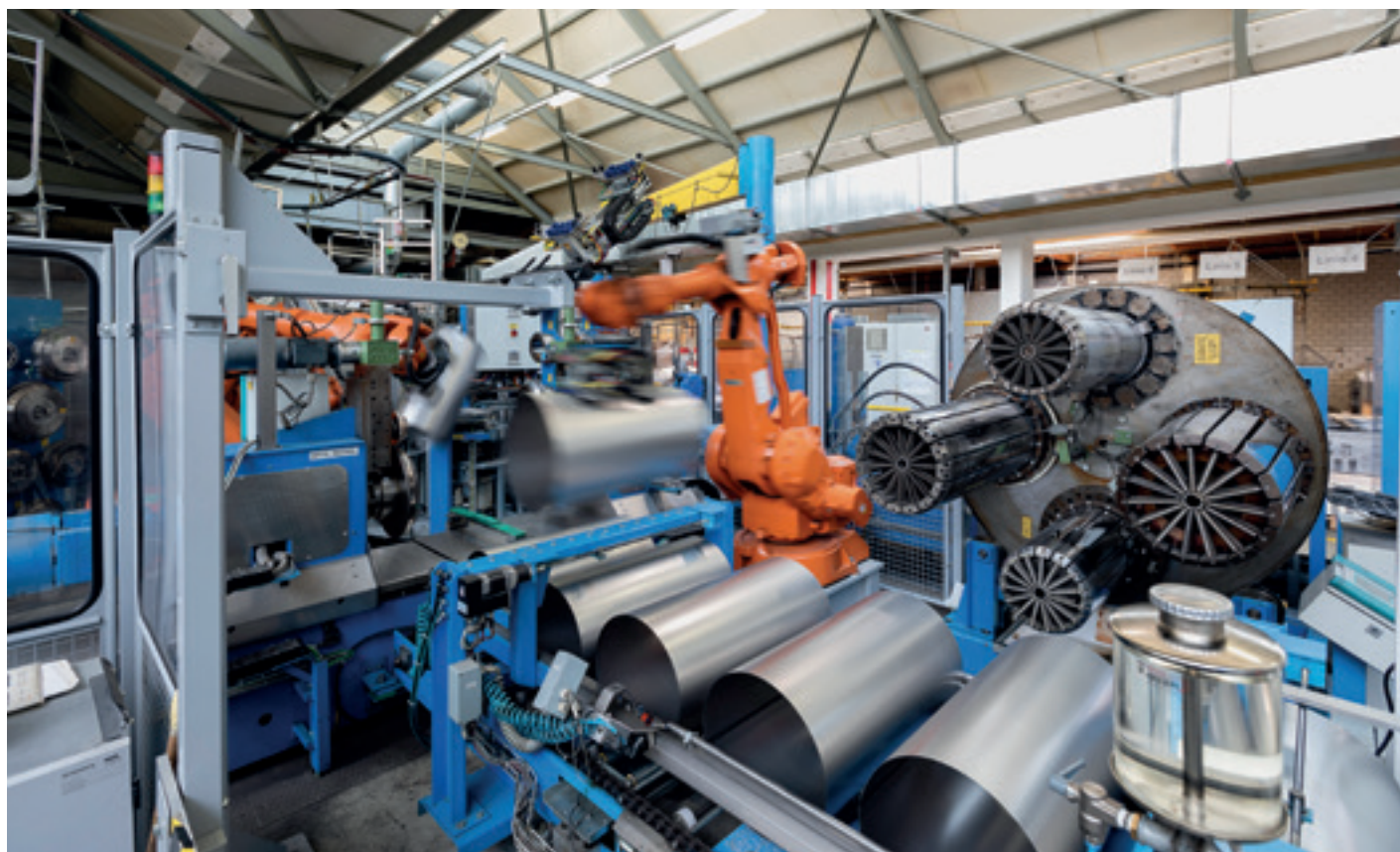
This is why Müller Packaging constantly develops and tests with its own design and tool building departments new packaging solutions and production techniques and links them with the industrial know-how gained over the years. Not for the sake of technology, but with the goal of finding practical solutions for the industry that will be simple and cost-effective in application.

Müller Packaging develops and produces its containers in the proven Swiss quality. Its employees all know that this high standard must be cared for day after day.

The Münchenstein and Reiden factories achieve this highest possible quality thanks to an order-related production – so to say “hot off the press” and delivered just in time.

A large raw material storage ensures the continuous production, without supply shortfalls. This contributes to making Muller Packaging a reliable partner.

Manufacture of conical drums in the Münchenstein factory





A products range for all purposes

# Comprehensive Solutions for Hazardous Goods

Müller Packaging makes with its high-quality industrial packaging a significant contribution to the safe handling and global transportation of hazardous goods.

These goods may be liquid, solid, corrosive, aggressive, permeating or otherwise harmful to humans and the environment, Müller drums offer versatile protection for all these products thanks to optimally selected materials and components.

Recurring inspections by the factory-internal UN design type testing body allow Müller Packaging to guarantee that all containers comply at any time with the strict construction and testing requirements for packaging and that they are suitable for the safe transportation of hazardous goods of the packing group I, II and III.

New developments or special customer versions are subjected within the shortest time to a detailed approval test, allowing prompt conversion of customer requirements into series production.



Tight head drums

# Safe Transport for Liquid Goods

Liquid hazardous substances pose particular requirements for transport or handling. Müller Packaging's product range is specifically designed for this purpose.

It offers various versions: from small to large, with different inside and outside coatings, with handles on the side or on the top, with flat or corrugated walls, with or without rolling hoops.



## **YOUR CUSTOMER BENEFITS AT A GLANCE**

- various sizes from 2.5 to 215 liters
- various versions (inside and outside painted, galvanized, stainless steel)
- UN approvals for liquid and solidifying substances
- various bead shapes
- special closures on request
- many screen printing possibilities

# Allround Packaging for All Requirements

Open head drums are a versatile packaging solution for solid and, if necessary, also for liquid substances. The special shape of the drum or its clamping ring allows stacking of all versions. Moreover, the empty conical versions are nestable to save space, having a positive impact on storage and logistic costs.

The drum wall is available with or without beads. Various beads are possible: rolling hoops, stacking beads, wide beads or jumbo beads. The clamping rings are equipped with external lever lock with sealing possibility. Jet rings for fully automatic locking are available as an option. The lids are available either with screw fittings or with gas connection ports.



## **YOUR CUSTOMER BENEFITS AT A GLANCE**

- various sizes from 15 to 215 liters
- cylindrical or conical variants
- various versions (inside and outside painted, galvanized, stainless steel)
- UN approvals for liquid and solid substances
- various bead shapes
- screw fittings possible in the lid
- many screen printing possibilities

# Double Protection in One Drum

Composite drums combine the advantages of different materials and ensure maximum protection thanks to a double container: outside steel drum, inside HDPE inner container.

It offers the stability, safety and permeation protection of steel as well as the cleanliness and the chemical and corrosion resistance of a plastic packaging.

Clever connections and special seals between the inner container and the steel drum prevent the escape of liquids or vapors.

For environmental protection, both materials can be recycled separately.



## **YOUR CUSTOMER BENEFITS AT A GLANCE**

- various sizes from 12 to 217 liters
- inner containers out of HDPE
- UN approvals for liquid and solidifying substances
- various bead shapes
- special closures on request
- many screen printing possibilities
- ultrapure version

# Simple but Efficient

Fibre drums offer a cost-effective alternative for the packaging and transport of bulk materials..

These UN design type-tested drums are manufactured by multilayer parallel windings and fitted with bottoms and lids made of galvanized steel.

Weatherproof versions with or without inner bag, inner lining with silicon or aluminum paper and different outside colors are available on request.



## **YOUR CUSTOMER BENEFITS AT A GLANCE**

- various sizes from 12 to 250 liters
- UN approvals for solid substances
- weatherproof versions with PE barrier layer
- with or without inner bag
- versions with inner lining possible



Dedicated to the environment

# Sustainable Quality that Pays Off

Müller Packaging is consistently committed to environmental protection: from development, through manufacture and logistics up to disposal. The environmentally compatible production of the innovative steel and fibre packagings is part of our comprehensive quality perception.

Recyclable materials, easy to dispose of components, environmentally compatible paints and clean manufacturing processes are standard - just as designs for optimal emptying.

For its steel purchases, Müller Packaging relies on quality leaders from the Central European region which show up to a 20 percent lower CO<sub>2</sub> emissions than their competitors.

Continuous process optimization allows reducing emissions, maximizing energy efficiency and saving resources, still in a constructive dialog with customers and authorities.

## **Comprehensive certifications**

Müller Packaging is certified according to ISO 9001 since 1989. Since then, the quality management has been supplemented with certifications according to ISO 14001 (environmental management) and OHSAS 18001 (occupational safety and health protection).

In 2015 Müller Packaging became the worldwide first steel drum manufacturer certified according to the international standard FSSC 22000, a standard for food safety management systems.



Special versions

# Müller Packaging has much more to offer

Besides the proven and often normalized standard containers, Müller Packaging also offers a wide range of special products, which reaches from customer-specific special solutions, technical built-in components, lids with special connection ports up to smallest containers for retention or stability needs.

## YOUR CUSTOMER BENEFITS AT A GLANCE

- individual advice and project support
  - outstanding manufacturing expertise
  - own design and tool building departments
  - short realization times
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The Müller recovery drum

# The Safe Solution in the Event of Damages

The robust Müller recovery drum is used when a container gets damaged and leaks. With easy handling it offers an efficient protection for damaged drums.

## YOUR CUSTOMER BENEFITS AT A GLANCE

- 307 and 427 liter versions
  - special UN approval for liquid substances
  - quick damage limitation
  - available from stock
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# Responsible Management for the Benefit of the Customers

## CUSTOMER FOCUS

- innovative and reliable solution provider
- sustainability through customer advice and care
- strive for long-term partnerships based on mutual appreciation
- extraordinary service as standard

## QUALITY CERTIFICATES

- quality management in compliance with ISO 9001
- environmental management in compliance with ISO 14001
- occupational safety OHSAS 18001
- food safety system certification FSSC 22000

## QUALITY MANAGEMENT

- hygiene management according to the HACCP concept for the manufacture of food packaging
- operation of an own quality assurance laboratory
- continuous in-process and delivery inspections
- large range of UN design type-tested containers in various designs

## ENVIRONMENTAL MANAGEMENT

- compliance with the laws and the relevant standards for the prevention of environmental pollution
- thermal exhaust air cleaning for minimizing the emissions
- use of the waste process heat for heating purposes
- own electricity generation (solar plant) and thus partially self-sufficient

Quality control: In-process control in the production line



# Müller Group.

## From Packaging to Processing.



**MVM Pack-Holding AG**  
Tramstrasse 20  
4142 Münchenstein  
Switzerland  
T +41 61 416 12 00  
F +41 61 416 12 22  
group@mueller-group.com



UN-approved packaging made of  
mild steel, stainless steel and fibre.

**Müller AG Verpackungen**  
Tramstrasse 20  
4142 Münchenstein  
Switzerland  
T +41 61 416 12 00  
F +41 61 416 12 22  
packaging@mueller-group.com



Plastic packaging and  
technical moldings.

**Müller AG Plastics**  
Falkensteinerstrasse 4  
4132 MuttENZ  
Switzerland  
T +41 61 467 93 93  
F +41 61 467 93 99  
plastics@mueller-group.com



Storage, transport and process  
vessels out of stainless steel.

**Müller DrumTec GmbH**  
Industrieweg 5  
79618 Rheinfelden  
Germany  
T +49 7623 969 0  
F +49 7623 969 69  
drumtec@mueller-group.com



Integrated handling, dispensing  
and GMP washer systems.

**Müller AG Processing**  
Tramstrasse 20  
4142 Münchenstein  
Switzerland  
T +41 61 416 12 12  
F +41 61 416 12 13  
processing@mueller-group.com