

**compotech**  
formt ideen aus kunststoff

# Compotech shapes ideas in plastic

## ABOUT US

In recent years, Compotech AG has invested heavily in new equipment and facilities to bring you the very best value for money available in the fibre-reinforced composites market. With over 40-years of project management experience and the very latest technology, we are proud to be one of the World's leading composite component manufacturers.

Compotech AG is certified to SN EN ISO 9001:2000. We strive every day to deliver new and innovative solutions to our customers, and in doing so; we have built an excellent reputation for quality, delivery on time and value for money.



**Josef Bättig**  
Managing Director



Currently, Compotech AG has around 60 staff.

The new production site with its ultra-modern facilities houses what is currently Switzerland's largest plastics press, capable of pressing components of dimensions of up to 2.5 x 3 m in a single operation.

Compotech's highly competent engineering department strives to support its Global customer base by tailoring innovative solutions to meet ever increasing technical and economic demands.



# Know-how



Compotech AG specialises in the hot compression moulding of sheet & dough moulding compound (SMC & DMC), resin transfer moulding (RTM), spray lay-up and liquid press moulding.

Innovative know-how, carefully selected materials, ultra-modern tools, cutting-edge technologies and certified production processes combine to guarantee top quality products and systems.

## WHY IS DEMAND FOR FIBRE-REINFORCED PLASTICS INCREASING?

Due to the ever-increasing performance requirements of modern product designs, advanced fibre-reinforced composite materials are superseding traditional materials such as steel, aluminium or wood.

Components can be produced in virtually any configuration by using a variety of fibres combined with a broad selection of resin systems and additives.



Compotech's excellent standard of project management and comprehensive range of services ensures that we can competently support you from concept through to full-scale production.

Our core skills at a glance:

- ◆ Support during the design process
- ◆ Materials evaluation
- ◆ Advice on design-for-manufacture
- ◆ Rapid prototyping
- ◆ Rapid tooling and pre-production runs
- ◆ Production tool manufacture
- ◆ Medium to high volume production
- ◆ Systems building and assembly

Consultancy  
Design

Co-engineering  
(Product development)

Prototypes  
Short runs

Large-scale production

# Properties and potential applications

## FIBRE-REINFORCED PLASTICS – MATERIALS WITH OUTSTANDING PROPERTIES...

- ◆ Long-term dimensional stability upon exposure to elevated temperatures
- ◆ Excellent mechanical properties
- ◆ Extreme impact strength
- ◆ Weathering resistance
- ◆ Particular electrical properties
- ◆ Enhanced non-flammability/non-combustibility
- ◆ Minimal evolution of combustion gases
- ◆ Chemical resistance
- ◆ Low density
- ◆ Good scratch resistance



## ...AND A WIDE RANGE OF POTENTIAL APPLICATIONS

- ◆ Mouldings with variable wall thicknesses within a single part
- ◆ Special requirements for edges and corners
- ◆ Provision of ribbing and cams
- ◆ Creation of smooth and textured surfaces (both sides)
- ◆ Integration of additional functional elements (e.g. threaded inserts)
- ◆ Colouring by incorporation of pigmented material
- ◆ Additional coating (gloss, matt, textured)
- ◆ Maximum flexibility in design

## CONCLUSION

Fibre-reinforced plastics are now virtually indispensable to modern industrial products.

Correct part design is a balance between functionality and economic viability.



# Our products are already in use in the following sectors...

## TRANSPORTATION – ROLLING STOCK

Interior trim, seat shells, control panels, sidewall tables, etc.



## TRANSPORTATION – ROADVEHICLE

Vehicle front ends, control panels, lining, etc.



## MECHANICAL ENGINEERING

Casings, containers, housings, covers, functional components, etc.



## ELECTRICAL INDUSTRY

Insulators, casings, supports, housings, etc.



## CONSTRUCTION

Casings, water tanks, distribution boxes, shrouds, letterboxes, etc.



## SANITATION

Laundry troughs, birthing pools, sink/drainer units, etc.



# ...and these are some of the companies that have benefited from our expertise

**ABB** CH, D **ALSTOM Transport** F, UK, Australia **Ammann Verdichtung AG** CH **Ascom** CH

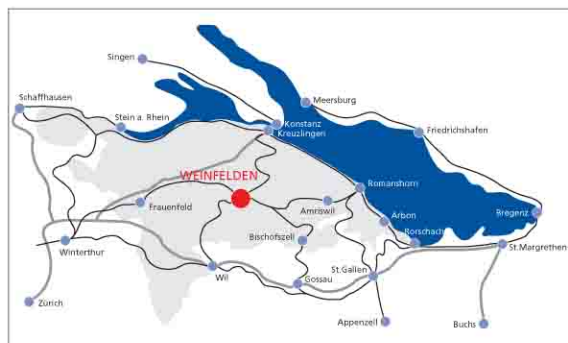
**Bombardier Transportation** D, B, A, CH **Bühler AG** CH **DaimlerChrysler** D, F **Swiss postal service** CH **Franke GmbH** A

**Fuel Maker** CAN **Georg Fischer AG** CH **Hans Denzler + Co. AG** CH **Hymer** D **Kässbohrer** A **LUWA AG** CH

**Müller-Martini AG** CH **Rapid** CH **Rauscher & Stöcklin** CH **Rieter AG** CH **Schlegel Swiss Standard** CH

**Siemens Transportation Systems** D, A, Slovenia, Greece **Soudronic AG** CH **Stadler Fahrzeuge AG** CH **Sulzer Rüti AG** CH

**Swisscom** CH



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