

Mit uns ist's leichter

Brebeck

Composite



Company profile

Brebeck Composite s.r.o. (Ltd.), located in the Czech Republic, is a leading manufacturer of carbon, natural, glass and aramid fiber components.

Core business is supplying the motorsport industry on a global level with highly sophisticated carbon fiber parts.

Company profile

We produce **parts from composite materials** (CFK, GFK) through Prepreg-Autoclave technology for the automotive industry and other custom orders.

Brebeck Composite was founded by Marcel Benda and Thomas Brebeck in Ostrava-Muglinov (CZ) on July 19, 2011. The production facility is located in Ostrava-Senov and spreads over about **3800 m²**.

Brebeck Composite s.r.o. has been certified according to **ČSN EN ISO 9001 since 2012**

In October 2016, Brebeck Composite.de GmbH was founded as a further company of Brebeck Composite. The production facility is located in Deggendorf and spreads over about **850 m²**.

Also in the same year was built a partnership with German toolroom Richter Formenbau. Since 2019 company Richter Formenbau GmbH with spreads 650 m² became a part of Brebeck Composite.de.

Company history

- 2011 Brebeck Composite was founded
- 2011 Production launched in Šenov (3 Scholz Autoclaves) – 1.000 m²
- 2012 ČSN ISO 9001 Certification received
- 2014 Production expanded up to 1.600 m²
- 2016 Production area expanded up to 3.000 m²
- 2016 Strategic partnership with German toolroom Richter Formenbau
- 2016 Brebeck Composite.de. GmbH was founded
- 2016 2 Autoclaves Maroso installed in Germany
- 2016 Open Prepreg Production in Brebeck Composite in Germany
- 2016 ISO 9001 and 14001 for Brebeck Composite.de. Certificate received
- 2018 Implementation of the Information System Helios Orange
- 2019 Production area expanded up to 3800m²
- 2019 Richter Formenbau GmbH became a part of Brebeck Composite.de.
- 2020 Received Certificate ISO 14001 for Brebeck CZ
- 2021 Planning Certification ISO 9100
- 2021 Technology expansion – 5 CNC cutting machine
- 2022 Construction new production Hall

Deggendorf DE

Brebeck Composite GmbH

ČSN EN ISO 9001, ISO 14001

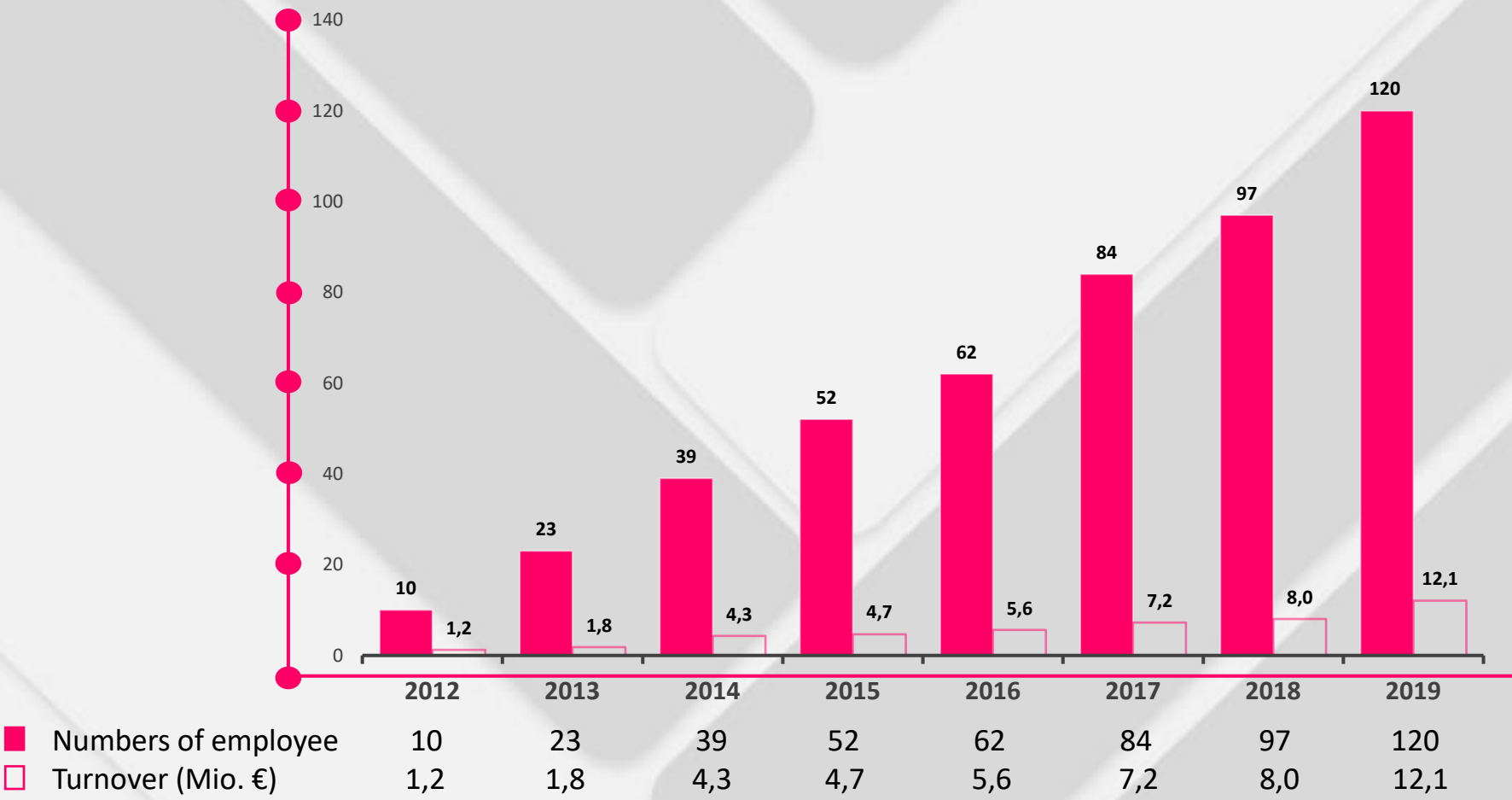
Šenov near Ostrava CZ

Brebeck Composite s.r.o.

ČSN EN ISO 9001



Company information



Production area

Czech republic

Current: 3800 m²

Can be expanded to 5.500 m²

Germany

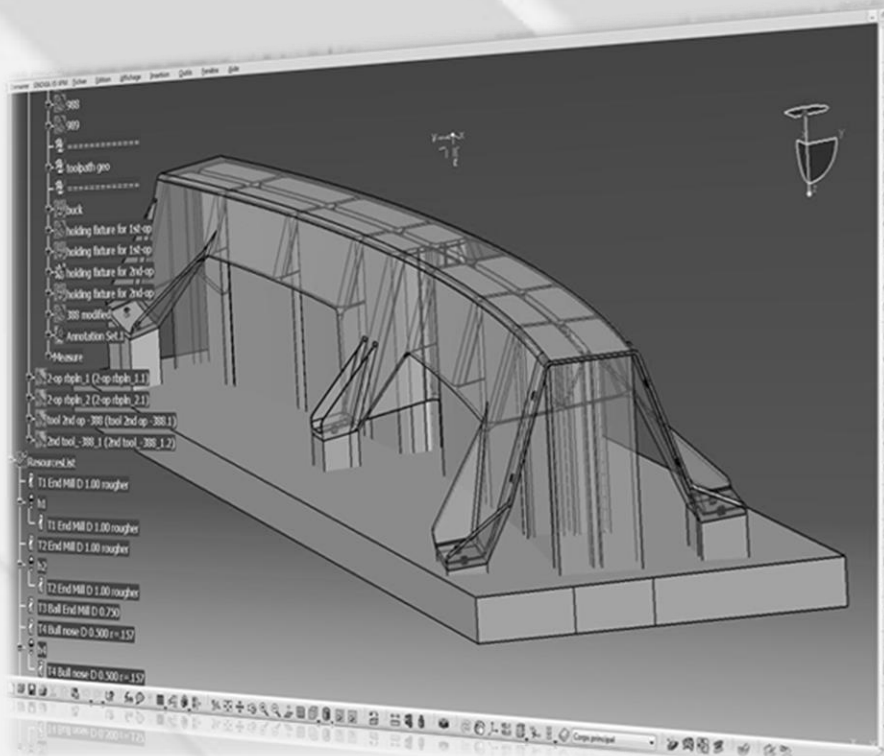
Current: 1500 m²

120 Employees CZ + GE

Production of composite parts

Developement of composite parts

DESIGN



- Models (Aluminium, Ureol, Epoxy)
- Tools (Aluminium, CFK, GFK, Ureol, Epoxy)
- Parts (CFK, NFK, GFK, Sandwich)

All Designs are made with CATIA V5

Innovation

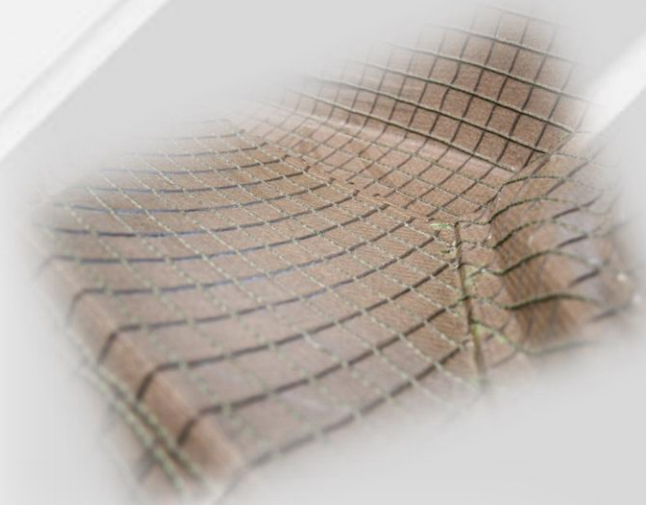


Brebeck
Composite

&



Bcomp®



**Brebeck Composite is a leader in manufacturing parts with Bcomp's ampliTex™ and powerRibs™
Natural Fibre technologies.**

The technical partnership between Brebeck Composite and Bcomp already successfully manufactured parts for GT4, GT3, Formula E and DTM, with multiple other parts and categories in predevelopment

CNC Production technology

DMG HSC 105 linear:

Travel size: 1050x800x600 mm



DMG DMF 260/11 linear:

Travel size : 2600x1100x700 mm



DMC 75V linear:

Travel size: 750x600x560 mm



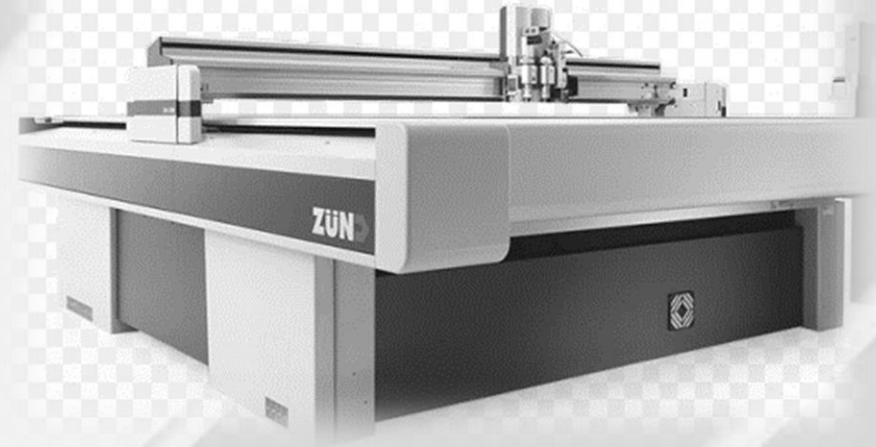
Production technology



1 X NC CUTTER (Gerber)

DCS 3500

Cutting area: 1,7m x 2,2m



2 X NC CUTTER (Zuend)

G3 – M 2500

Cutting area: 1,3 m x 2,5 m

G3 – L 2500

Cutting area: 1,8 m x 2,5 m

Production technology

PREPREG – AUTOCLAVE

3x Autoclave SCHOLZ in CZ:

Ø 2,0m x 3,0m, max. temperature: 220°C, 10 bar

2x Autoclave MAROSO in GE:

Ø1,0m x 1,5m, max. temperature: 200°C, 10 bar



VACUUM INFUSION

WET LAMINATION (Epoxid + Polyester)

Production technology



Zeiss T-Scan/ T-Track

Steinbichler Comet LED 5M:

3D controlling system

Reverse engineering



2 x Temperkammer:

Area: 3,0 x 3,0m

Max. temperature: 115 °C

4 x Hot Air Oven Memmert UF750 plus:

Max. temperature: 300°C

Dimensions: 1,4 x 1,2 x 0,6 m



Product line



RACING

DTM

GT3/GT4

Le Mans LMP1

Dakar

Moto GP

WRC



AIRCRAFT

CFK Tools

GFK Tools

ALU Tools



VISUAL CARBON

Motocycle

Automotive

Design



OTHER APPLICATIONS

Covers

Technical parts

Safety

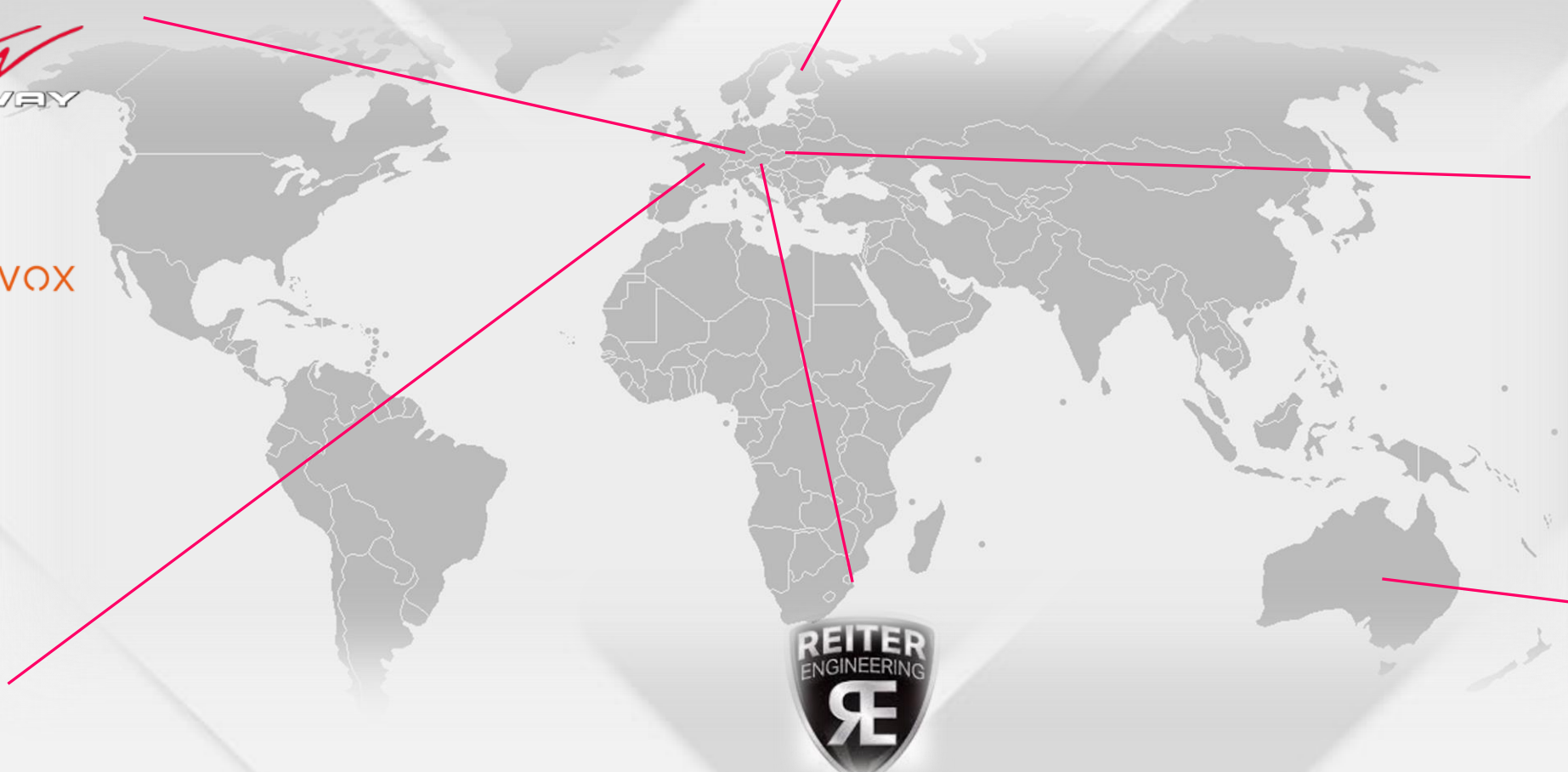
References

- AUDI Sport
- Adess AG
- Aero Aventura
- BENET Automotive s.r.o.
- BMW M GmbH
- BMW Motorsport
- Burkhard Baumsteigtechnik GmbH & Co. KG
- Callaway Competition GmbH
- Carlsson Fahrzeugtechnik GmbH
- FACC Operations GmbH
- GGC GmbH Rotorvox
- HWA AG
- KTM AG
- Lilium GmbH
- MANHART Performance GmbH & Co. KG
- PSA Automobiles S.A.
- P+Z Engineering GmbH
- PACE Innovations
- Palatina Motorradwerkstatt
- PORSCHE Motorsport AG
- Praga Cars s.r.o.
- Private Comfort GmbH & Co. KG
- Reiter Engineering GmbH
- X-raid GmbH



Audi Sport

TOMMI MÄKINEN *Racing*



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Thank You

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