



History

Schiffer Metall- & Vakuumtechnik GmbH

- 1997 foundation
- 2018 takeover by DTG
- 2023 75 employees, 1 production site

DTG GmbH Development & Technology

- 1988 foundation
- 1992 first contact to China
- 2008 foundation DTG Shanghai
- 2014 foundation DTG Swiss
- 2017 Establishment of factory planning by taking over company dekaplan
- 2018 take over of Schiffer
- 2019 establishment of repair- & maintanceservice by taking over company MRW
- 2023 80 employees, 4 sites (without Schiffer)







Turning
Milling
Sheet metal working
Steel construction
Welding
(DIN EN 1090 EX 2)



Plant engineering

Development Construction Manufacturing Assembly



























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Milling
Sheet metal working
Steel construction
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Plant engineering

Development Construction Manufacturing Assembly



Factory planning

Project planning and management

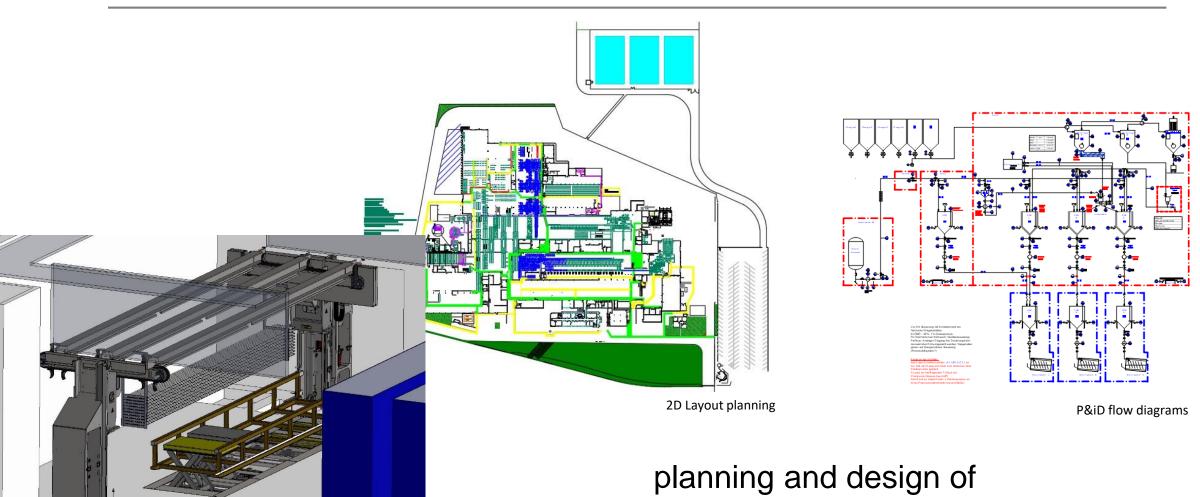


Industrial service

Repair, maintanace and assembly







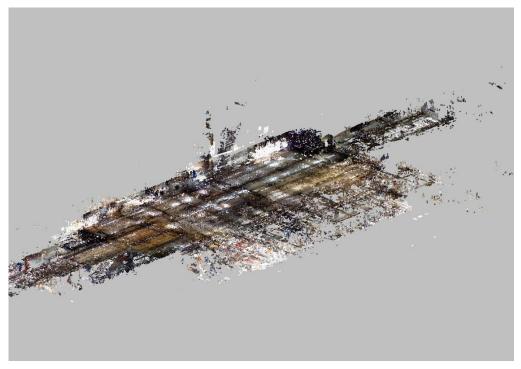
3D planning and construction

planning and design of production plants in 2D and 3D

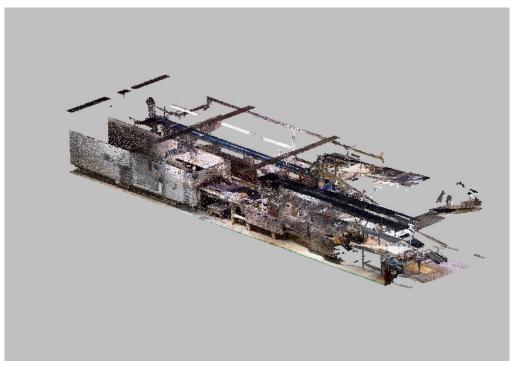




Laserscanning



Laserscanning: point cloud unprocessed



Laserscanning: workspace cut free

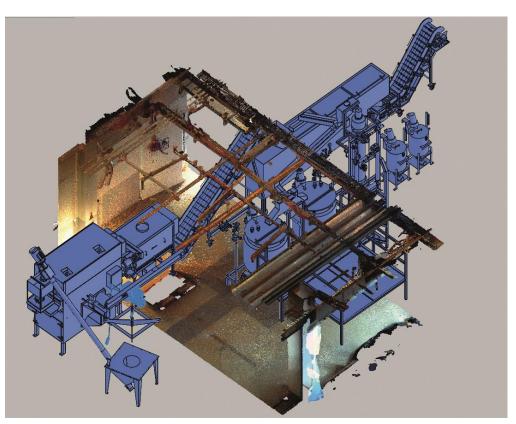




Laserscanning



Laserscanning: detailed view



Collision check by overlaying scan and 3D construction







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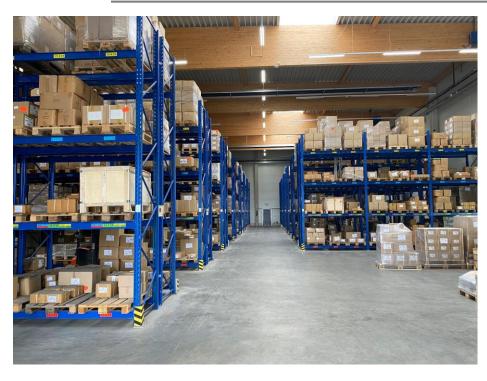


Global procurement service

Procurement customised drawing parts (OEM parts) in Asia







Procurement of customised drawing parts (OEM parts) in Asia

Single Parts – Assembly – Article for sale



Drilling parts



Forging parts

Punching parts



Accessories



Assemblies

Turning



max. diameter 1750 mm

Milling





max. dimensions:

X: 1100 mm y: 3000 mm z: 1100 mm

Welding



WIG

100% of the weld seams are tested by a helium leakage test
Standard: < 1x10^-9 mbar/(l*sec)(



Electron Beam Welding



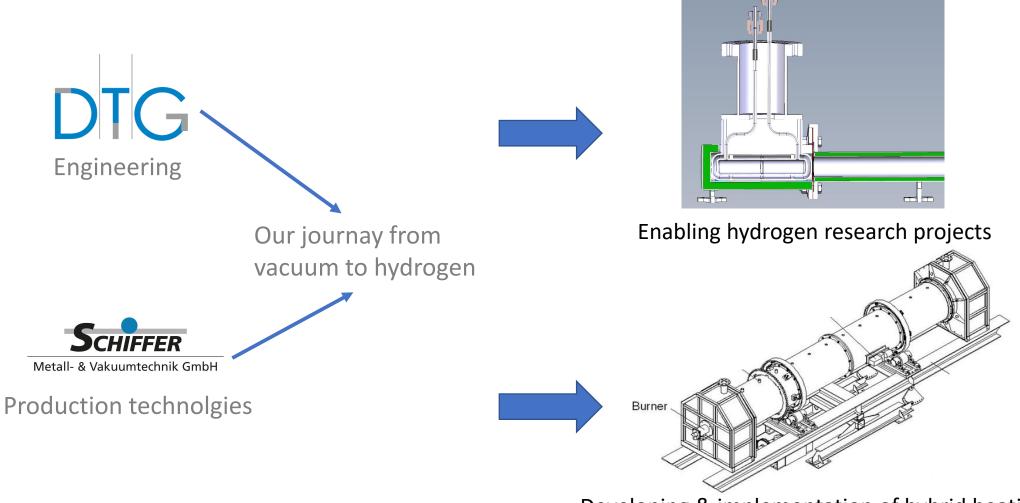
Surface Finishing & Cleaning & Assembly (clean room compatible)





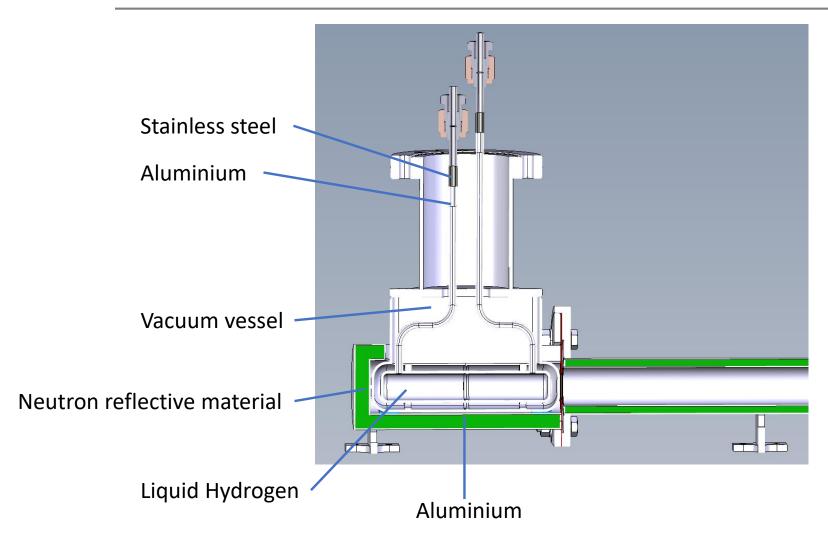
Our journay from vacuum to hydrogen





Hydrogen projects





Hydrogen tight & vacuum compatible

- → Leakrate < 1x10^-9 mbar/(l*sec)
- → high requirement for cleanliness

Aluminium

→ Electron Beam Welding

Aluminium Stainless steel combination

→ Friction welding adapter

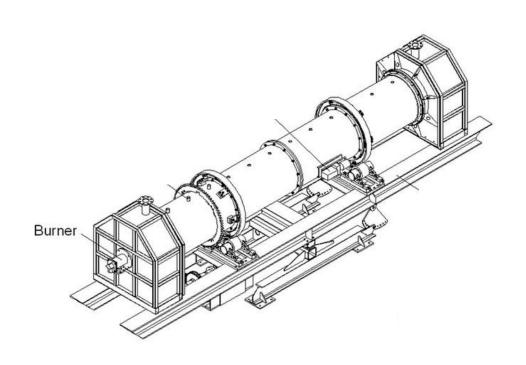
Assembly

→ Clean room compatible

Enabling hydrogen research projects

Hydrogen projects





Developing a hybrid heating concept for a rotary klein

Drying process for quartz sand

20 t / h

800°C

residual moisture < 0,2%

Goals:

Combination of inductive heating and naturals gas / hydrogen burner fuel gas mixture 100% natural gas -> 100% H2

Approch to solve the chicken-and-egg problem

The concept is transferable to various industrial klins



Contact details









Max Hannot CEO +49 2461 6910913 +49 176 70684802 Max.Hannot@vakuum-schiffer.de