



SEMI-FINISHED PRODUCTS



GRP PRODUCTS &
CONSTRUCTIONS



COMPANY



THERMOFORMING



MACHINING



2D-PRODUCTION





YOUR PARTNER IN PLASTICS

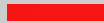
FOUNDED IN 1938

by Arthur Krüger & his son Werner in Hamburg



QUALITY

ISO 9001:2015 certified



COMPANY

Managed by its owner in 4th generation



75 EMPLOYEES

in Barsbüttel near Hamburg, Germany



APPRENTICING COMPANY

for technical & administrative professions



Nils Krüger, CEO



SEMI-FINISHED PRODUCTS

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sheets – rods – tubes



HIGH-PERFORMANCE

PEEK, PTFE, PVDF, PAI, PI, PBI, PPS, PPSU, PEI, PSU

TECHNICAL

PA, POM, PETP, PC, PE, PP, ABS, PVC, HGW, HP, PUR

LININGS

PE, PUR

FOODGRADE

POM, PETP, PE, PUR, PEEK

VIRTUAL ADVERTISING

PMMA, PC, PETG, APET, ALUVERBUND, PVC

quickly available

material consulting

cutting

brands



2D-PRODUCTION

2D-PRODUCTION

milling – edging



MILLING

up to 2.000 x 3.000 mm, done with plate changer
and up to 21 tools

EDGING

thickness up to 15 mm
dimensions up to 3000 mm
material: PC, PE, PUR

construction

technical drawing

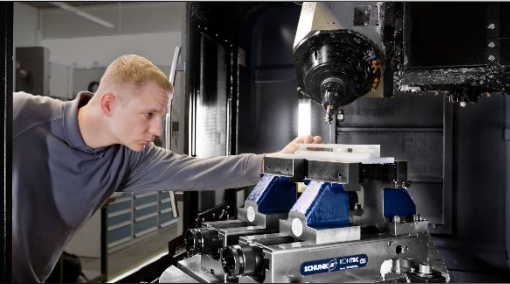
production according to
customers drawings



MACHINING

MACHINING

turning – milling – dovetailing – grinding



TURNING

conventionally up to diameters of 2,000 mm and lengths of 1,500 mm, CNC up to diameters of 1,000 mm; CNC up to 400 mm with power tools, spindle aperture up to a diameter of 80 mm

MILLING

conventionally 900 x 300 mm
CNC-machines up to 2.000 x 3.000 mm, with plate changer and up to 21 tools
CNC up to lengths of 6.000 mm in an S clamp

DOVETAILING

up to Ø 1.800 mm

GRINDING

cylindrical grinding between points: point length 300 mm / point height 100 mm, Grinding of round bars up to a diameter of 60 mm and length of 2,000 mm

construction

technical drawing

production according to
customers drawings



THERMOFORMING

THERMOFORMING

construction – prototyping – tooling



POSSIBILITIES

single- or twin-Sheet

MATERIAL

thermoplastic
virgin or regrind material
large selection of colours

construction

prototyping

tooling

production according to
customers drawings



GRP - PRODUCTS

GRP-PRODUCTS glassfibre reinforced plastic



MATERIAL

gratings, cover panels, profiles, steps, hand rails

CONSTRUCTION

bridges, rail infrastructure, hydraulic engineering,
systems engineering

certified quality

planing

construction

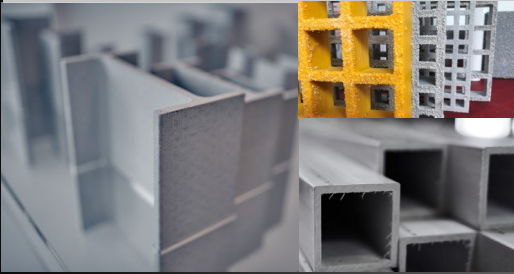
installation



GRP - PRODUCTS

MATERIAL

gratings, cover plates, profiles, hand rail, steps



QUALITY

approved by EBA, general technical approval from DIBt, certified by Deutsche Bahn with manufacturer product qualification DBS 918 010

PROPERTIES



GRP IS SAFE: non-slip up to R13, not electrically conductive and therefore unearthed, EBA, DIBt, HPQ according to DBS 918 010 approval



GRP IS EASY TO INSTALL: low weight, easy processing

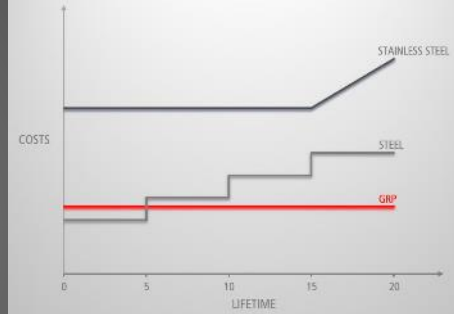


GRP REQUIRES NO MAINTENANCE: resistant to UV- & chemicals, corrosion-free

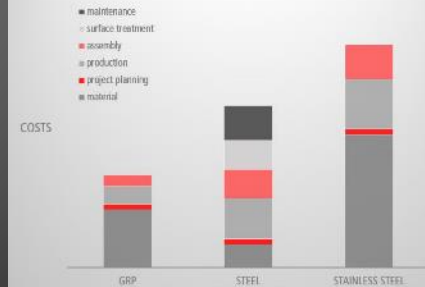


GRP IS SUSTAINABLE: long lifespan, 100% recyclable

COSTS vs. LIFETIME



COMPARISON OF COSTS





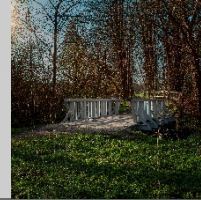
CONSTRUCTION

bridges, rail infrastructure, hydraulic & systems engineering



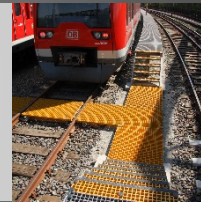
BRIDGES

1-field-construction up to 12 m length with load capacity of 5 kN/m²
Hybrid construction with wood or steel also possible



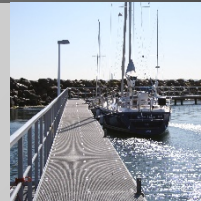
RAIL INFRASTRUCTURE

track crossings, access platforms, stairs



HYDRAULIC ENGINEER.

docks, covers



SYSTEM ENGINEERING

staircase towers, working platforms, access ladders, walkways





SECTORS & CUSTOMERS

SECTORS



- mechanical and plant engineering
- chemical industry
- medical industry
- rail infrastructure
- hydraulic engineering
- systems engineering
- visual communication & advertising
- aviation

CUSTOMERS



- OEM
- Industrial processors
- MRO
- distributors

JUNGHEINRICH **PHILIPS**

KION
GROUP



BUHLER

WINCOR
NIXDORF



STILL

DB BAHN

k+s

