



FEINBLECH
TECHNIK®

PORTFOLIO

FBT Feinblechtechnik GmbH®



A company of the veaxo® Group



COMPANY PROFILE

Excellence in function and form. From the idea to the assembly. From the sample to the series.

OUR MISSION

Don't worry about sheet metal! Instead, invest your valuable time and resources into your core business.

We are a future-oriented and highly specialized manufacturing company in the field of thin sheet processing.

To ensure that you always get the right quality at the most economical price, we support you in the design of your sheet metal and the exact specification of your components.

To always manufacture your components using the most suitable process, we keep ourselves with all innovations in sheet metal processing and invest continuously in the best machines and processes. To ensure reliable and fast delivery times, we plan our capacities in our customized adapted ERP system and regularly qualify our employees.

Due to the certified processes in our manufacturing plant at the southern outskirts of Berlin we guarantee highest quality standards. Among our customers include renowned industrial companies throughout Europe. Our team is highly qualified and highly motivated to complete demanding orders on time realized.



QUALIFICATIONS AND CERTIFICATIONS

We provide the highest quality requirements through quality management and suitability certifications.

- Ensuring the highest quality requirements through quality management according to DIN EN ISO 9001:2015
- Welding of rail vehicles according to DIN EN 15085-2, CL 1
- Use of certified welders according to EN ISO 9606-1 and EN ISO 9606-2
- Material and filler metal testing according to DIN EN 15085-4, DVS 1620
- Occupational safety and environmental protection in the QM system
- Green company with 100% own power generation through own PV system on the roof
- Supply of IRIS certified companies



***We guarantee
product and
quality safety by
current
certifications and
lived quality
policy.***

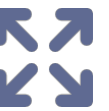
IHR NUTZEN

„Feines Blech termingerecht geliefert!“
„Fine sheet metal delivered on time!“

We support you in optimizing your sheet metal assemblies as well as in product development with our many years of "sheet metal know-how". With our fully digitalized processes, we create plannability and end-to-end transparency so that you can rely on on-time delivery. Our flexible production capacities enable us to start processing at short notice.

- ***Planning and adherence to schedules by producing in cycles***
To ensure that you can plan to receive your parts on the desired delivery date, we manufacture according to the "PiT® - Producing in Takt" production system with 3l PPS®, which is used in the aerospace industry, among others.
- ***Short response times and direct communication***
You receive your quotation quickly and are personally supported and advised, because we have digitalized and automated all other processes from inquiry to delivery.
- ***The customer sets the pace***
We are your solution provider and partner for complex challenges and assemblies.





OUR RANGE OF SERVICES

Logistics

On request pre-commissioned, neutrally packed and directly delivered

Design and development

Design with SolidWorks, from the idea sketch to the product, optimized for production

Production of samples and small series

Sheet metal assemblies made of aluminum, stainless steel and steel sheets

Series production

High precision and repeatability through CNC technology and continuous traceability

Welding specialist

Certification according to DIN EN 15085-2 CL1
Welded assemblies for railroad technology

Assembly

Assembly of complex mechanical assemblies, individually adapted to your needs

Quality assurance

DIN EN ISO 9001: 2015 as a lived quality standard

Surface treatment

Coating of sheet metal assemblies or pickling of stainless steel

FBT

INDUSTRIES

*Over 70 years of quality and reliability!
Benefit from our experience in railroad,
electrical and medical engineering.*

OUR CUSTOMERS

Our customers include leading and renowned companies in the...

- Railroad technology & rail vehicle industry
- Mechanical engineering & automation technology
- Electrical industry & telecommunications
- Medical technology & pharmaceutical industry
- Measurement & control technology
- Laboratory technology & chemical industry

We manufacture for you:

- Laser and folded parts made of steel, stainless steel, aluminum and non-ferrous metals
- Supporting frames and supporting frames, gearbox suspensions, welded stainless steel and aluminum components for rail vehicles
- Cladding sheets spot welded, coated and pre-assembled
- housings, coated and printed for direct mounting of your electronics
- pre-assembled sheet metal assemblies, pre-commissioned for your production
- boxes and trays for machines, electronics and devices
- switch cabinets and desks for electrical equipment
- pre-series samples 1 - 3 pieces and small series of 10 - 50 pieces
- as well as medium series of 50 - 1.000 pieces in optimized serial production

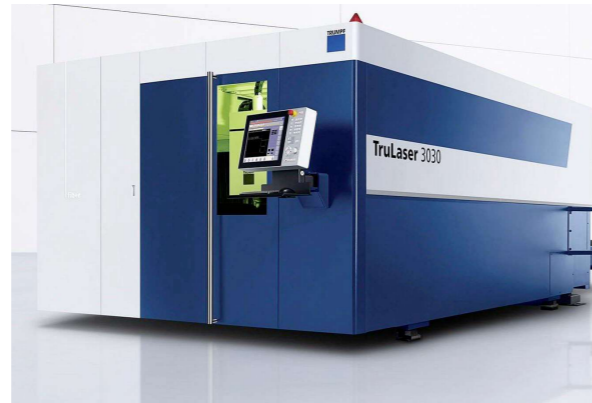


MACHINE PARK

TruLaser 3030 fiber

Innovative solid-state laser for best cutting quality

Laser power: 3 KW
Sheet format: bis 3000 x 1500 mm
Cutting capacity:
 stainless steel up to 15 mm
 aluminum up to 15 mm
 steel up to 6 mm
 copper/brass up to 6 mm



Grinding & deburring machine Lissmac SMD 123

For rounded edges & ground surfaces

Abrasive: Abrasive belt and rotary brushes
passage width: 950 mm
Material thickness: 1 – 50 mm
Materials: stainless steel, aluminum, brass and copper



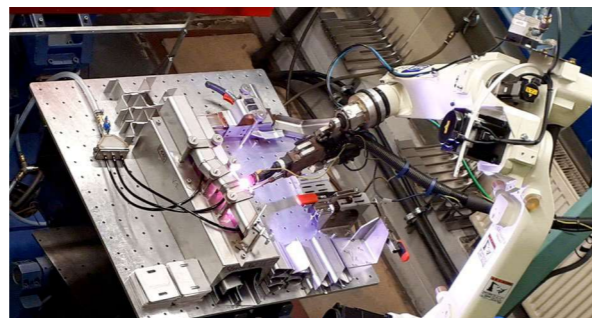
Hydraulic press brake TruBend 5130

Pressing force: 1300 KN
Bending length: 3230 mm
Max. Stop range: 860 mm
Software: TruTops Boost



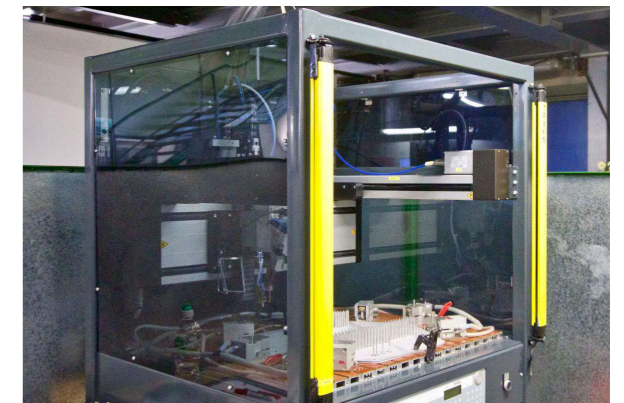
Robot TIG- und MIG- Welding machine AVP 300

with shuttle table, high accuracy, low warpage and less rework Switchover to gas/water cooling
Working and outside swiveling range: 2500 mm
Repeat accuracy: +/- 0,08 mm



CNC stud welding machine Bolte F400

Application: Welding of threaded studs M3 to M8, pins, threaded bushings, etc.
Material: stainless steel, copper and aluminum
Working surface: 450 x 400 mm



Electric press-in machine PressOne P1S-8

via ball screw with servo motor
Application: Pressing in of bolts, nuts and bushings, automatic feeding, monitoring of press-in data by force-displacement evaluation
Pressing force: 80 KN
Range: M2 - M10



Stud welding technology with welding gun

certified welding process 783 and 786 according to DIN 15085-2 CL1
Application: drawn arc and tip ignition studs



Spot welding machines

4 resistance welding machines water cooled for stainless steel, aluminum and steel

3-roll round bending machine

roll width max. 1270
smallest rounding diameter 60 mm





FURTHER WORKING AREA AND SERVICES

- In-house construction service (Solid Works)
- 8 welding workstations with modern WIG and MIG/MAG welding equipment and central welding fume extraction
- Certified welding process 131; 135 and 141 according to DIN 15085-2 CL1
- Electrolytic pickling, cleans stainless steel welds and protects against corrosion
- Modular, flexible assembly area for the pre-assembly of your assemblies
- Setting rivet nuts and rivets
- Punching and forming of threads
- Laser engraving or embossing of grounding symbols and special symbols
- Quality assurance, testing, on request with initial sample test report, material certificate and traceability

SOFTWARE

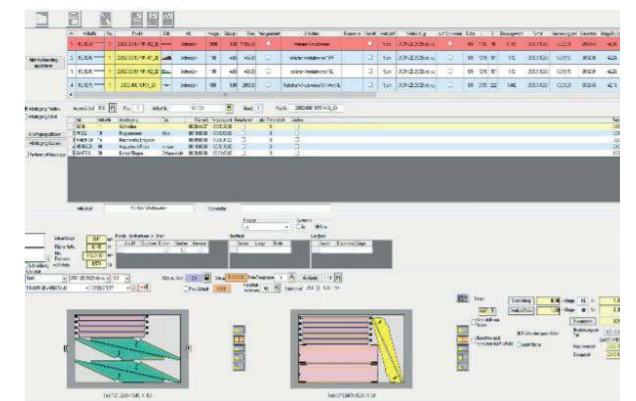
Calculate. Construct. To plan. Document.

Calculation software ProFirst

- Automatic import of DXF/DWG/stp file
- Imports of complex assemblies
- Multi-format blank nesting for optimum sheet metal utilization

Your advantage:

- Security through precise calculation of time and material requirements
- Receive fast and accurate quotes by E-mail.



Production planning software 3Liter PPS®

- the rhythm as a central element of PiT® - producing in rhythm.
- Real-time, capacity-checked planning
- Bottlenecks are simulated before planning.

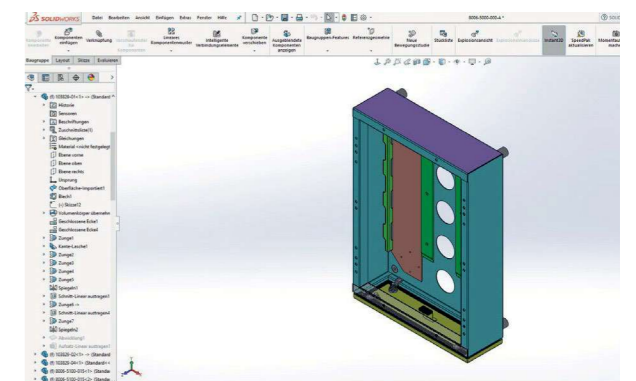
Your advantage:

- Flexibility in planning, short-term processing is also possible.
- high adherence to schedules and fast delivery.



3D-CAD design software SOLIDWORKS

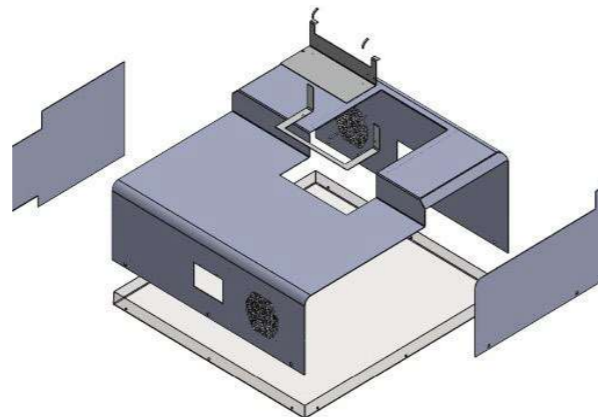
On request, we will construct and optimize your sheet metal assemblies.





CASING MADE OF ALUMINUM FOR THE MEDICAL SECTOR

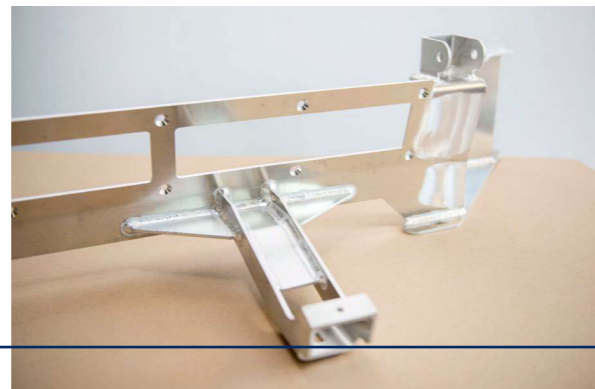
Alle All connecting edges are welded and then leveled, giving the optical impression that the housing is made from one piece. By optimizing the welding sequence, heat distortion was minimized on the large areas. The housing is then coated, printed and sent to the customer pre-assembled. The design and construction come from FBT.



Dimensions: 650 x 650 x 250mm
Manufactured in series of 25 to 50
pieces Construction with Solidworks

WELDING ASSEMBLY RAILWAY TECHNOLOGY

AlMg3 EN5754 H22 Circumferentially welded according to DIN 15085-1 CL2, construction of a welding device



GEHÄUSEABDECKUNG - ANALYSETECHNIK

1.4301 stainless steel, 1.5 mm thick,
curved with a radius of R12.5,



PRODUCTS

*Efficient implementation and advice from
design to series production.*



CASING MADE OF MEDIUM STRENGTH ALUMINUM MATERIAL

Shell and base are spot-welded, the threaded pieces and the handles are welded on using the TIG process. The welding was carried out in accordance with the requirements of DIN EN 15085-2 CL1.



Dimensions: 320 x 260 x 260 mm
manufactured in Series from 100 to 500 pieces

CASING MADE OF STAINLESS STEEL

The jacket and bottom seam were tightly welded in TIG on our welding robot. The welding was carried out according to the requirements of DIN EN 15085-2 CL1.

Dimensions: 200 x 300 x 265 mm
manufactured in Series from 500 to 2000
pieces





FMA® - FREITALER METALL- UND ANLAGENBAU GMBH

With us, master craftsmen, technicians and skilled workers combine their skills and specialist knowledge in production, materials handling technology and service. As a contact for steel, metal and plant construction, we offer production companies and industrial companies in all sectors a comprehensive range of services. You can also rely on our absolute adherence to delivery dates.

With our products and services, your demands for quality and safety are our obligation!

OUR SERVICES

- Production: container construction, flame cutting, ready-to-install welded assemblies
- Crane construction: custom-made products, assembly
- Crane service: Repair, maintenance, conversion and crane inspections in accordance with DGUV regulations
- Industrial service



STRONG IN A NETWORK

A sense of tradition and experience in metal processing merge with the latest technologies to provide a wide range of services in excellent quality and absolute adherence to deadlines.

www.veaxo.de



PHÄNOMEN® NIEDERLASSUNG DER FMA® - FREITALER METALL- UND ANLAGENBAU GMBH

We are specialists in complex ready-to-build welded assemblies with mechanical processing and precision parts. We strive for the highest quality, absolute precision and constant innovation. Both in products and processes. For the success of our customers and for the success of our company. Today and in the future.

Our service offer also includes the procurement of the material and parts that cannot be manufactured in-house.

- milling & drilling
- turning & grinding
- measuring, testing and contract measuring
- welding and assembly
- surface treatment



STUCK® TRANSPORTGERÄTE GMBH

Our subsidiary Stuck Transportgeräte GmbH in Falkensee offers you a huge range of products at the highest level in the field of office and factory equipment. Take advantage of the competence of our employees in material and goods flow, storage technology and system workstations. An on-site consultation is a matter of course for us.

Benefit from our custom-made products and special solutions for your specific transport or storage problem.

You can benefit from

more than 100,000 quality articles from all areas of business, warehouse and office equipment. Based on purchasing structures developed over many years, our portfolio includes only the best, lowest-priced and current offers from leading suppliers.



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