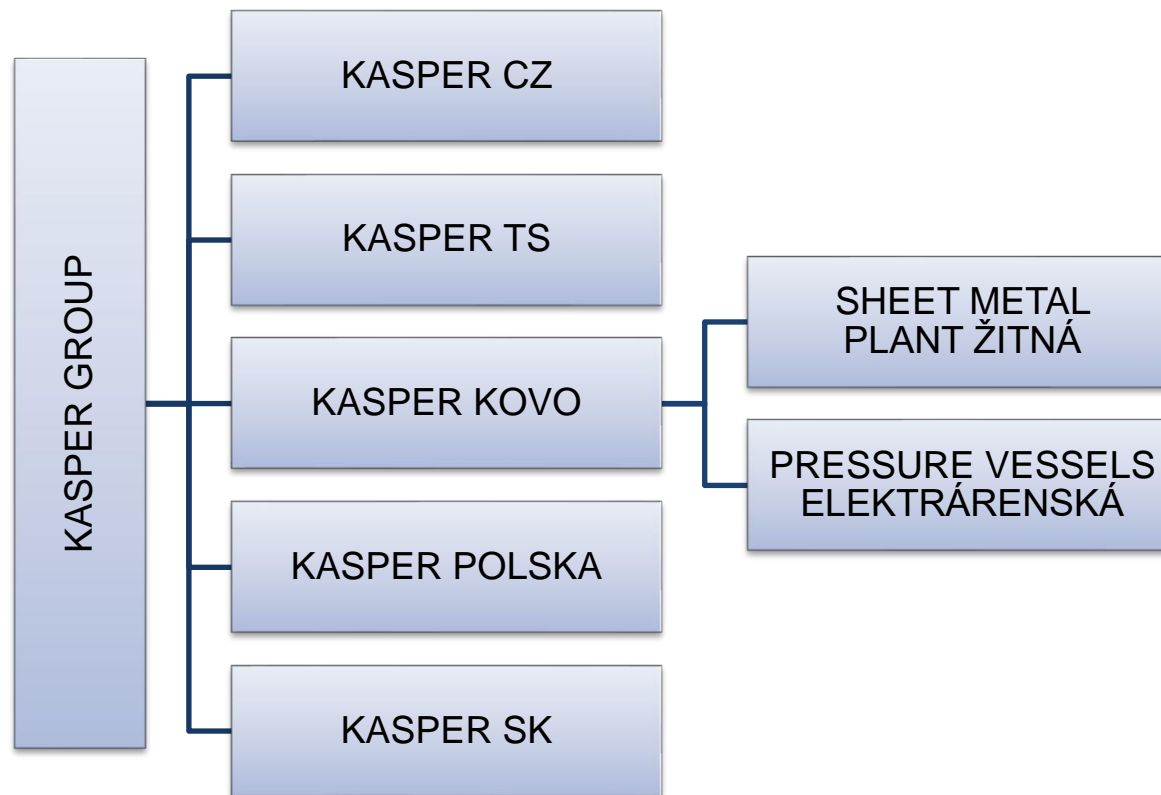




KASPER KOVO >

ORGANISATIONAL STRUCTURE



THE RELIABLE PARTNER IN SHEET METAL FABRICATION



HISTORY

- 1992** establishment of the company in Úpice
- 1999** first sheet-metal cutting laser installation
- 2001** moving into new premises in Trutnov, Žitná
- 2006** reconstruction of new premises in Trutnov (1. stage)
- 2011** extension with a new plant Elektrárenská (pressure vessels)
- 2012** certification according to international railways standards
- 2013** ASME certification of the plant Elektrárenská
- 2014** reconstruction of the plant Elektrárenská (1. stage)
- 2015** launch of Lean production principles implementation
- 2016** Successful implementation of lean processes such as 5S, shop floor management, etc.
- 2018** Establishment of automated and full robotic workplaces in Elektrárenská
- 2020** Gluing certification according DIN 6701



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COMPANY PHILOSOPHY

- long term cooperation with all customers
- high quality level in production and flexible communication
- worldwide logistics
- separated material flow in production (steel vs. stainless-steel)



CORE COMPETENCES

- sheet-metal processing – small parts as well as complete devices – steel, stainless-steel, aluminium
- production incl. mechanical and electronic assembly
- pressure vessels manufactured of mild steel, stainless steel and aluminium
- static and dynamic vessel calculation for compliance with all requirements
- vessel production according PED, ASME, GOST, EN etc. standards
- focus on smaller and middle-sized production batches
- development of products in 3D Solid Works
- flexible communication in world languages
- worldwide logistics
- welding school

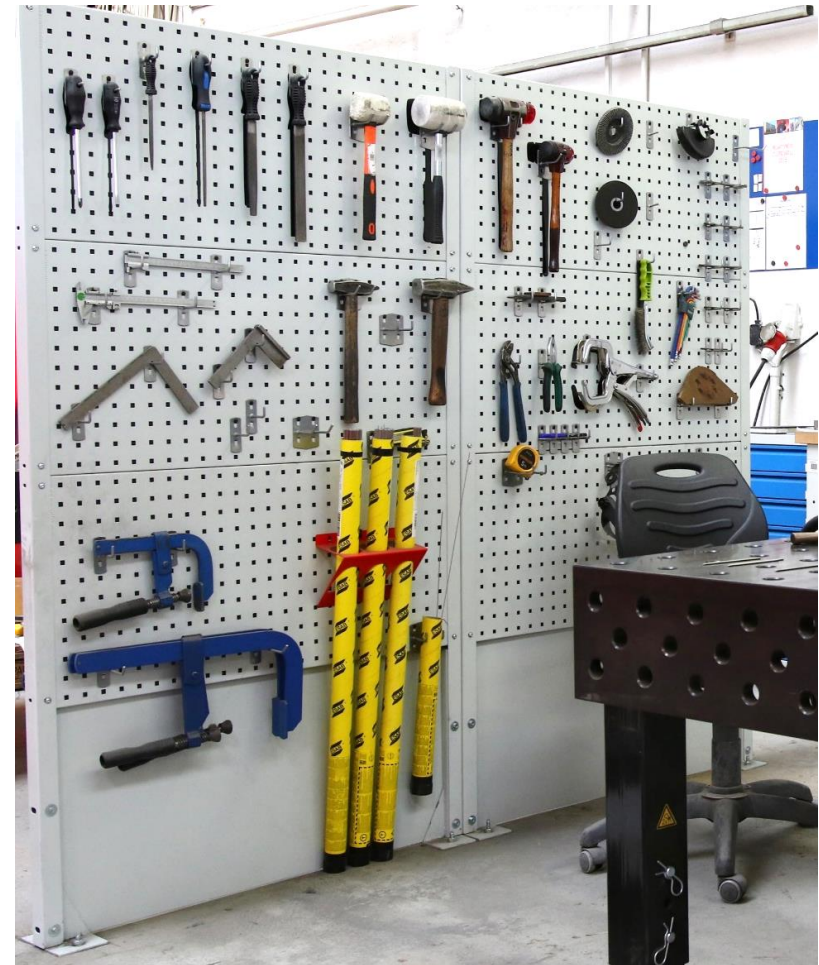


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KEY DATA

- turnover in 2023 – 30 mil. EUR
(plan for 2024 – 36 mil. EUR)
- export share – 70 %
- sheet – metal consumption 6 000 t pa.
- 365 employees
- company in private ownership



KEY DATA

- Company certificates:

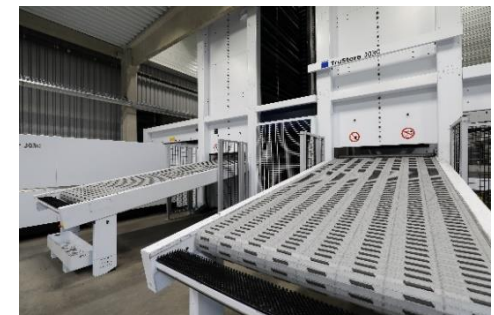
- EN ISO 9001:2009
- EN ISO 14001
- EN ISO 18001



- ASME Code section VIII / div. 1, certificate of authorization for pressure vessels
- EN 15085, CL1 – international railways standards
- DIN 6701-2:2015 A3

MACHINES

- Laser machine
 - TRULAS 3030 FIBER 6,0 kW **new**
 - Automated center with 2 machines TRULAS 3030 FIBER 6,0 kW **new**
- Punching machine
 - TruMatic 5000
- Plasma cutting
 - Cutting thickness up to 40 mm



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MACHINES

- 7 bending machines TRUMPF



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MACHINES

- 7 bending machines TRUMPF



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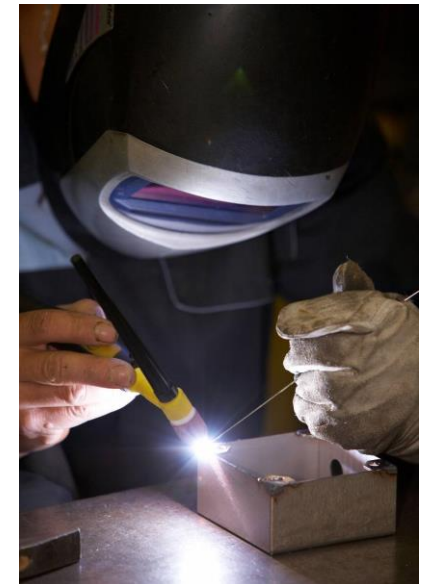
MACHINES

- Roll bending machine MG s.r.l. with the bending parameters
 - max. diameter 4,5 m
 - max. thickness 35 mm
 - length 3 m
- Roll bending machine MCA for thin sheets
 - max. thickness 6 mm
 - length 2 m
- Grinding / deburring machine COSTA



MACHINES

- Welding capacity (equipment ESAB)
 - 25 welding workplaces for steel
 - 10 welding workplaces for stainless-steel
- Spot welding Tecna 6 125 (180 kVA)



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MACHINES

Robotic-welding workplaces CLOOS and MIGATRONIC



THE RELIABLE PARTNER IN SHEET METAL FABRICATION



MACHINES

Robotic-welding workplaces CLOOS and MIGATRONIC



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MACHINES

Robotic-welding workplaces CLOOS



MACHINES

- Semi-automatic welding for vessels
- Welding arm ESAB – welding of pressure tanks – welding method UP (submerged arc)

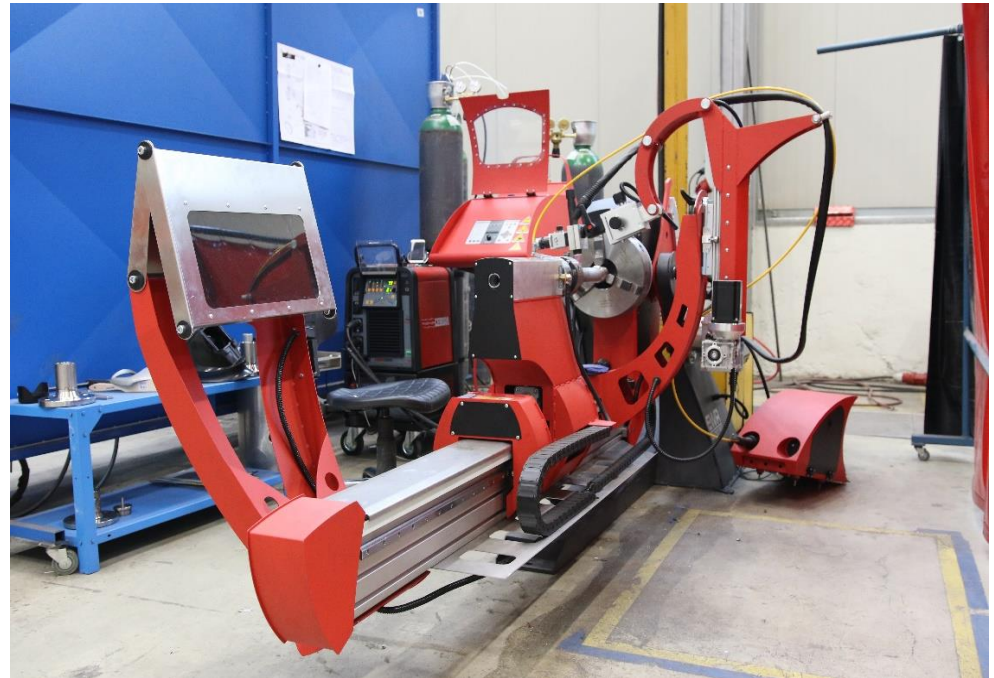


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MACHINES

- Modern automatic workplace for welding of pressure vessels made of steel and stainless steel



MACHINES

- Ceramic-blasting of stainless-steel
- Powder painting shop
 - max. size 3 x 2,2 x 1,2 m
 - max. weight of parts 300 kg
 - pre-treatment – phosphate coating and 3-phase water-spray rinsing
- Wet painting (plant Elektrárenská)
 - max. size 10 x 4 x 4 m
 - max. weight 25 000 kg
 - pre-treatment – blasting GH 40



MACHINES

- Blasting
 - max. size 10 x 4 x 4 m
 - max. weight 25 000 kg / Pcs.
 - abrasive material: angular steel grid



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MACHINES

Powder painting shop



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BRANCHES

- Textile industry
- Infotainment devices
- Filtration devices
- Car industry (buses)
- Railways and trains
- CNC Machining
- Food industry
- Pharmaceutical industry
- Medical industry
- Energy sector



EXPORT RANGE

- Germany and Austria (20 %)
- Switzerland (30 %)
- Great Britain (5 %)
- Benelux (5 %)
- Sweden (15 %)
- Spain
- USA
- China and India...



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PRODUCTS

AGIE CHARMILLES, SWITZERLAND

CNC machine housing



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PRODUCTS

FRITZ STUDER AG, SWITZERLAND

Grinding machine housing



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PRODUCTS

**L. KELLENBERGER & CO AG,
SWITZERLAND**

Grinding machine housing VARIA



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PRODUCTS

L. KELLENBERGER & CO AG, SWITZERLAND

Grinding machine housing H2000



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PRODUCTS

WINDMÖLLER UND HÖLSCHER, GERMANY

Extruder housing



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PRODUCTS

WINDMÖLLER UND HÖLSCHER, GERMANY

Printing machine



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PRODUCTS

TORNOS SA, SWITZERLAND

CNC machine housing



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PRODUCTS

TORNOS SA, SWITZERLAND

EvoDeco

Machining housing



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PRODUCTS

TORNOS SA, SWITZERLAND

Part of a machining housing



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PRODUCTS

CHIRON GROUP SE, GERMANY

Machining housing



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PRODUCTS

IVECO, CZECH AND EVOBUS DAIMLER, GERMANY

Chassis and interior-components for buses



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PRODUCTS

AUTOMATIC PLASTICS, GERMANY

Components for textile industry



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PRODUCTS

FAIVELEY TRANSPORTATION, GERMANY

Air condition housings for trains



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PRODUCTS

JBT FOODTECH, SWEDEN

Industrial freezers



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PRODUCTS

JBT FOODTECH, SWEDEN

Industrial freezers FPF



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PRODUCTS

JBT FOODTECH, SWEDEN

Industrial Freezer for food application ADVANTEC



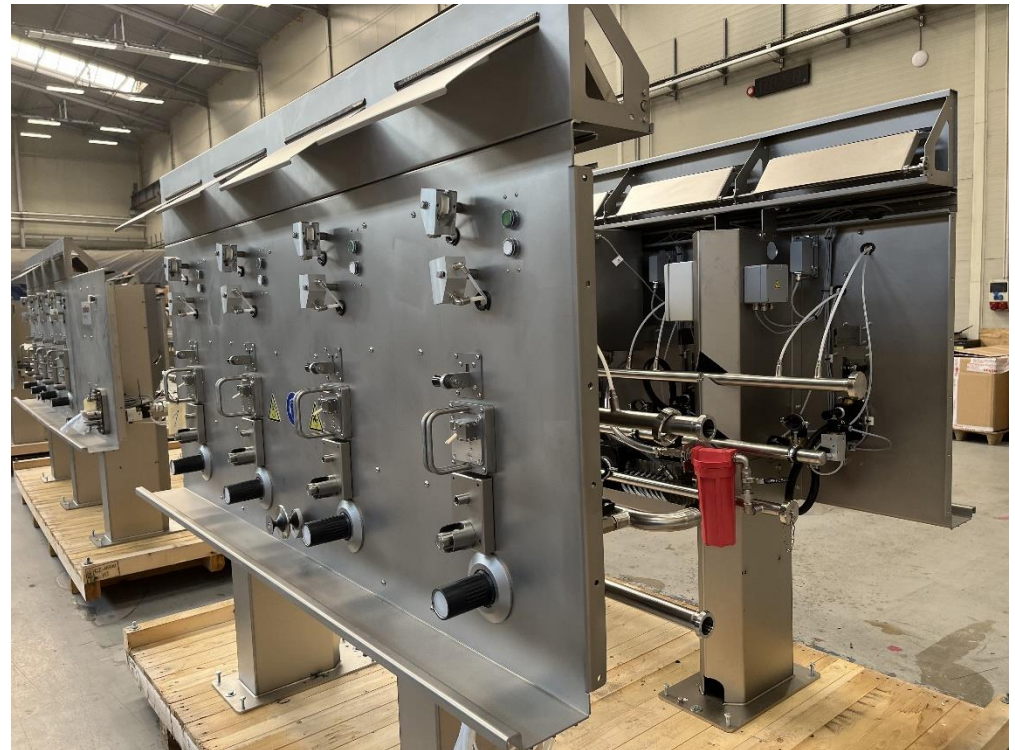
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PRODUCTS

OERLIKON, GERMANY

Components for textile industry



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PRODUCTS

LM WINDPOWER, DENMARK

Components for wind power stations



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PRODUCTS

GEA DELBAG LUFTECHNIK, GERMANY

Air filtration



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PRODUCTS

AIR VESSELS FOR MEDICAL DENTAL SYSTEMS 50 L / 8 BAR (EU)

Manufactured according to PED 97/23/EC

Material: mild steel



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PRODUCTS

WATER MANAGEMENT PROMINENT SYSTEMS

Pressure tanks 1600 l / 16 BAR, diameter 1100 mm

Manufactured according to PED 97/23/EC

Material: stainless steel



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PRODUCTS

TRAIN SETS SAUDI ARABIA, PROJECT TALGO

Pressure tanks 2 x 180 l / 8 BAR
Manufactured according to EN 286-3
Material: stainless steel



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PRODUCTS

TRAIN ASSEMBLIES, PROJECT BY PATENTES TALGO, ES

Air vessel 455 l

Manufactured according to EN 13455, PED,

Material: stainless steel 1.4404



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PRODUCTS

NITROGEN AND OXYGEN GENERATORS, OXYMAT, SK

Vessels 700 – 4000 L

Manufactured according to EN 13445, PED, ASME,
certified BV, ABS, LR, DNV

Material: Carbon steel



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PRODUCTS

GREEN HYDROGEN SYSTEMS, DENMARK

Material: Stainless steel



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LOGISTICS

- WE OFFER ALL PRODUCTS INCLUDING THE POSSIBILITY OF A COMPLEX LOGISTICS



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CENTRE FOR CONTEMPORARY ART EPO 1



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THANK YOU FOR YOUR ATTENTION.





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