



FORGLASS

MANUFACTURING



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| WHAT WE CAN PRODUCE FOR YOU:



Industrial steel structures

Production of large-scale steel structures for industrial buildings or high-capacity warehouses



Service platforms and support construction

Production of simple service structures such as platforms, staircases, ladders and other elements to support the operation of equipment



Mechanical machinery

Manufacturing of specialized transport machines using precision mechanical components requiring precise machining



Machine wear parts and components

Production of individual components of machinery and equipment - spare and wear parts with storage facilities



Silo, hoppers and storage containers

Manufacturing of structures and oversized devices such as silos and other tanks requiring appropriate technical facilities



Ducts, piping and chutes

Production of components and systems for pneumotransport, pipelines for various purposes or gravity discharges for bulk materials



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HOW CAN WE SUPPORT YOU:

EXAMPLE OF OUR REALISATIONS:



Industrial steel structures

Production of large-scale steel structures for industrial buildings or high-capacity warehouses throughout Europe



Service platforms and support construction

Production of simple service structures such as platforms, staircases, ladders and other elements to support the operation of equipment





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HOW CAN WE SUPPORT YOU:

EXAMPLE OF OUR REALISATIONS:



Conveying equipment

Manufacturing of specialized transport machines using precision mechanical components requiring precise machining



Machinery components

Production of individual components of machinery and equipment - spare and wear parts with storage facilities





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HOW CAN WE SUPPORT YOU:

EXAMPLE OF OUR REALISATIONS:



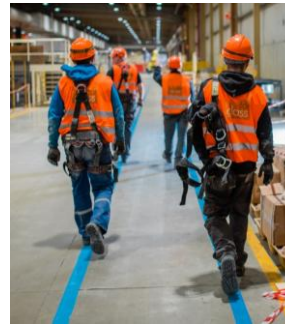
Silo, hoppers and storage containers

Manufacturing of structures and oversized devices such as silos and other tanks requiring appropriate technical facilities



Ducts, piping and chutes

Production of components and systems for pneumotransport, pipelines for various purposes or gravity discharges for bulk materials





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HOW WE ORGANISE PRODUCTION:

| KEY VALUES - WHAT IS IMPORTANT TO YOU:



| DELIVERY ON-TIME



| COMPLETE DELIVERY



| REQUIRED QUALITY



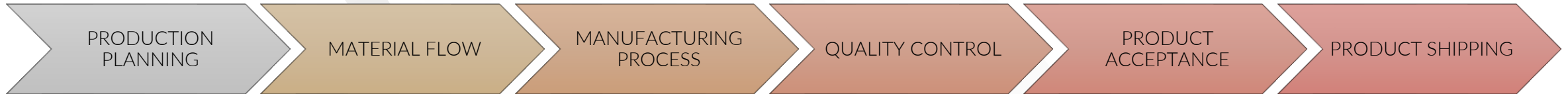
| PRODUCT CHECK



| PAT AND FAT



| SAFE TRANSPORTATION



- DETAILED PRODUCTION PLANNING
- WEEKLY REPORTS

- ERP SYSTEM

- PN-EN ISO 1090-1 EXC3
- PN-EN ISO 3834-2
- IWE PERSONNEL

- DEDICATED DEPARTMENT
- NDT PERSONNEL

- QS DOCUMENTATION

- CUSTOMER SUPPORT AND DEDICATED DEPARTMENT





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| PLANT OPERATIONAL CAPACITY:

1. PRODUCTION PREPARATION HALL

CUTTING, BURNING, ROLLING, BENDING, TURNING, DRILLING, MILLING

| KEY PARAMETERS

BAND SAW CUTTING: UP TO 550 x 800 mm
PLASMA-OXY CUTTING TABLE: 2000 x 6000 mm
CLEARANCE UNDER TORCH: max 200 mm
PLASMA CUTTING THICKNESS: 1 – 15 mm
GAS CUTTING THICKNESS: > 15 – 50 mm
HOLE DIMENSIONS (BURNED): $\varnothing = 0,8 - 1 \times$ sheet thickness

| ROLLING

MIN DIAMETER: 300 mm
MAX THICKNESS: 20 mm
MAX LENGTH: 6000 mm

| DRILLING

MAGNETIC DRILLS: MAX \varnothing 110 mm

| MACHINING ALLOWANCES

SINGLE PARTS: 3 mm per side
ASSEMBLIES: 5 mm per side

BENDING |

MAX BENDING LENGTH: 3000 mm
MAX THICKNESS: S355 – 5 mm | S235 - 8 mm
BENDING RADIUS: S355 – 2,5x | S235 -1 – 1,5x
MAX PART WEIGHT: 50 kg

TURNING |

MAX DIAMETER: 430 mm
MAX LENGTH: 1500 mm
MIN CLAMPING (WITH TAILSTOCK): 20 mm

MILLING |

MAX PART: 1300 – 250 mm

LIMITATIONS |

MAX BORING DEPTH: 250 mm



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| PLANT OPERATIONAL CAPACITY:

2. WELDING SHOP WELDED PARTS AND ASSEMBLIES

| WELDED PARTS

MIN WEIGHT: **15000 kg**

MAX DIMENSIONS: **15000 x 3800 mm**

MATERIALS: **S235, S355 | Boiler steel |**

Stainless 8.1 / 10.1 | Hardfaced plates | Hardox

WELDING METHODS: **135, 136, 138, 141**

HARDFACING: **up to 63 HRC, max 5 mm**

WELD SIZE: **a = 0.7 x thinner part thickness, min a3**

MIN GAP FOR WELD PREP: **25 mm**

MAX TORCH ACCESS DEPTH: **150 mm**

STRESS RELIEVING: **required for precise machining**

UNDERCUTS: **rounded instead of chamfered (scallops)**

HOLE CLEARANCE FROM WELDS: **2.5 – 3 x D**

ASSEMBLIES / SUBASSEMBLIES |

MAX WEIGHT: **15000 kg**

MAX DIMENSIONS: **14000 x 4600 x 4800 mm**

TRANSPORT LUGS: **Load rated 200%, evenly spaced**



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| PLANT OPERATIONAL CAPACITY:

3. ANTI-CORROSION SHOP PAINTING AND SHOT BLASTING

| PAINTING

METHOD: Hydrodynamic / pneumatic

BOOTH SIZE: 4.5 x 4 x 12 m

COATING SYSTEMS: C1 – C5 (including C3H)

ALL EDGES CHAMFERED: min. 1 x 45°

GAS CUTTING THICKNESS: > 15 – 50 mm

HOLE DIMENSIONS (BURNED): $\varnothing = 0,8 - 1 \times$ sheet thickness

UNPAINTED AREA MARGIN: 20 mm from weld

PART DIMENSIONS |

MAX SIZE: 11500 x 4000 x 4000 mm

MAX WEIGHT: ~15000 kg

HOT-DIP GALVANIZING PREP |

DRAINAGE HOLES: $\varnothing 10$ mm (2 pcs)

SHOT BLASTING |

CHAMBER SIZE: 4.5 x 4 x 12 mm

HEAVY PARTS: via rail carts



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| PLANT OPERATIONAL CAPACITY:

4. FINAL ASSEMBLY HALL INTERNAL TRANSPORT AND HANDLING

| CRANE SYSTEM

TWO CRANES: **8T** (combined lifting up to 15T)

TWO CRANES: **5T**

| OTHER EQUIPMENT

JCB TELEHANDLER: **540V 140**

COLUMN CRANES: **2 pcs**

WALL-MOUNTED CRANES: **3 pcs**

ELECTRIC FORKLIFTS: **2 pcs**, lifting height **3.3m**

ELECTRIC PALLET TRUCK

RAIL CARTS FOR INTERNAL TRANSPORT

FACTORY GATES (H x W) |

GATE 1: **4.1 x 3.8 m**

GATE 2 (x3): **4.5 x 5.3 m**

GATE 3: **3.5 x 4.3 m**

EXTERNAL CERTIFICATION |

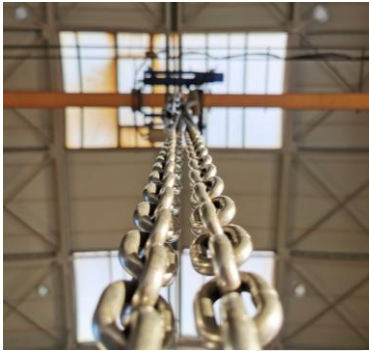
WELDING QUALITY: **PN EN ISO 3834-2**

STRUCTURAL STEEL COMPONENTS: **PN EN ISO 1090-1 EXC3**



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| VISIT OUR PLANT:





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Product preparation hall

- complete machine base
- workstations for processing externally supplied profiles
- air filtration and heating system

Pressembly hall

- 6 separate workstations

Welding shop

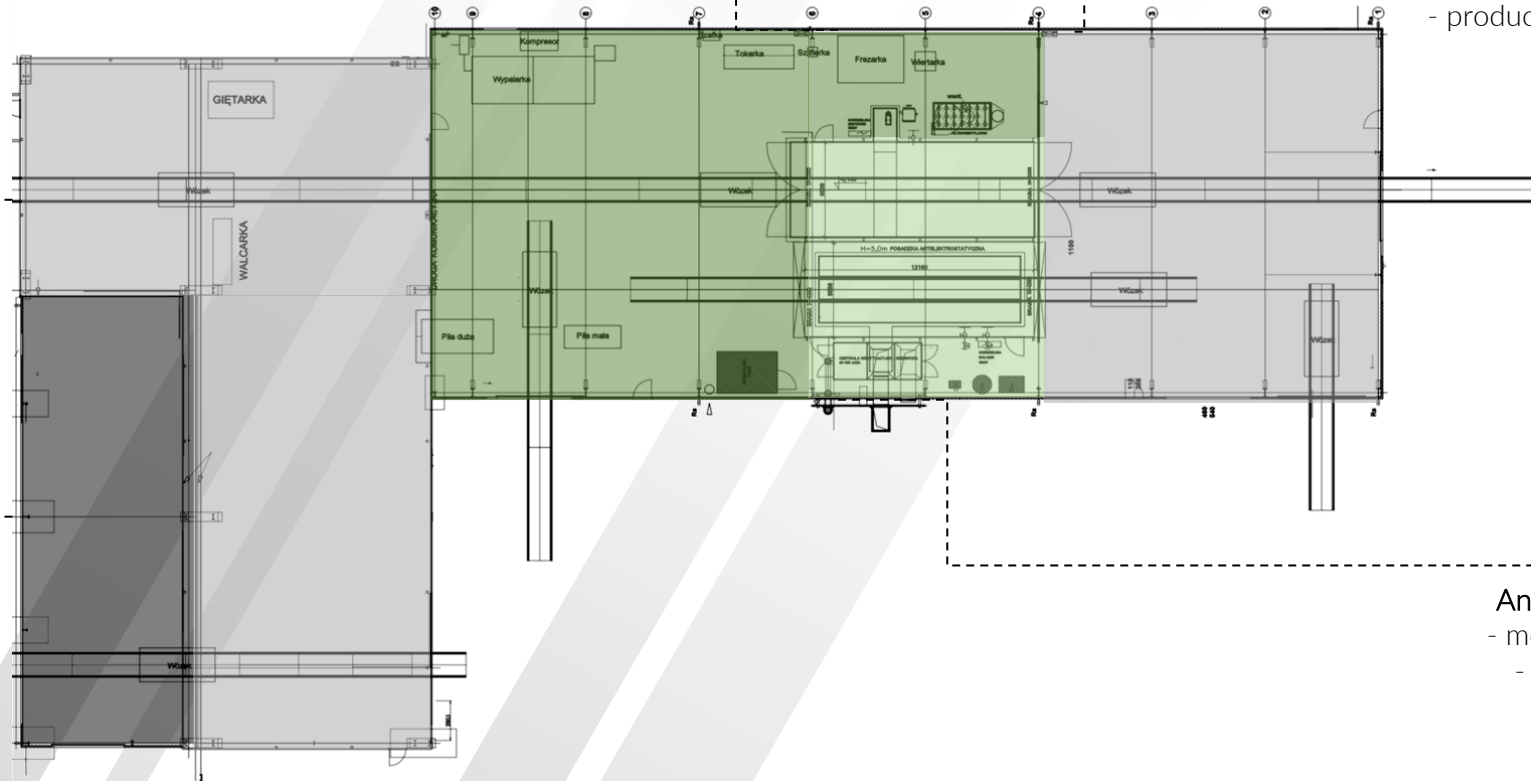
- Dedicated safe zone

Final assembly hall

- crane and cart system
- product preparation for transport

Anti-corrosion shop

- modern paint shop
- shot blasting hall





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| HOW TO CONTACT WITH US:

| CONTACT

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