

ALUDESIGN[®]

powered by Luma Automation

The Art of Die Casting

Company Presentation



Aludesign – modern aluminium foundry

| on time
| highest quality
| within the budget



We offer:

- project support
- tool construction
- aluminium die casting
- surface finishing
- assembly and sub-assembly
- logistics



About us

Experience

over 20 years of experience in die-cast aluminium

Employees

around **130** employees

Area

production **6.5 k m²** office **2 k m²**

Customers

over **40** active customers

Turnover

around **12 million EUR**

Export

ca. 65% of units exported



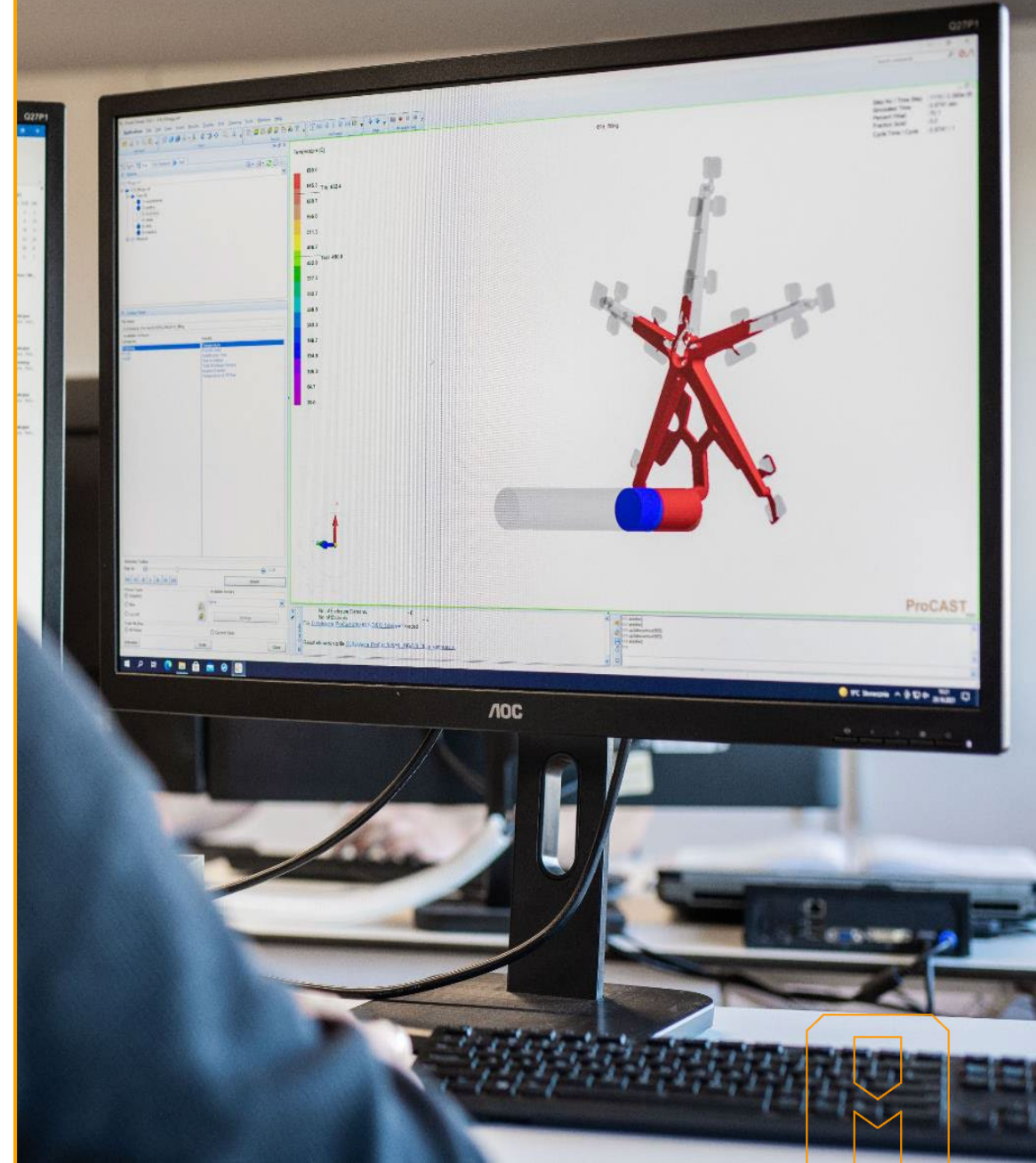


Design & Development



Mould design and development

- Project and construction of mold:
 - modeling in Siemens NX
 - simulations in ProCast
 - complete 3D/2D mold design
- Adaptation and modernization of customer molds:
 - mold condition assessment
 - simulation in ProCast
 - repairs and upgrades
- Reverse engineering:
 - creating a model of an existing product in CAM 2





Toolmaking



Modern machine park

- EDM machine with graphite and copper electrodes
- wire DEM machine
- specialistic electrode milling machine
- gantry drilling and milling center
- specialized Surface and cylindrical grinders
- ink presses for final fitting of molds





Foundry

- ✓ 13 casting machines
 - of which 5 automated
- ✓
 - clamping force:
 - from 400t to 1.650t
 - elements ranging
 - from 0,5kg to 25 kg





Machining



Five modern 3- and 4-axis CNC machining centres by Fanuc, DMG, DMU and Omnitec





Surface finishing



two fully automated grinding cells with Fanuc robots



two fully automated grinding and polishing cells with Fanuc robots



cabinet shot blasting machine – Schlick Roto Jet



manual workstations for grinding and polishing castings



chemical washing machines





Surfaces



Possible types of surface preparation:

- raw
- preparation for painting: shot-blasted, grinded, trowelled
- powder coated
- polished
- chromed
- special surface coatings :
 - SurTec
 - anodizing
 - Xylan®





Assembly

- ✓ We perform the preliminary assembly of the customer's component or semi-finished product
- ✓ We offer comprehensive assembly services, delivering finished products to our clients
- ✓ We offer partial or complete outsourcing of the client's production based on aluminum castings



Quality



Measurement equipment

- Trimek Spark coordinate measuring machine with Renishaw components
- Measuring arm with scanning head - FaroArm®



Certificate:



Environment and sustainable development

☑ Activities

- **Ready to reporting ESG** from 2023
- change of melting furnace power supply from oil to **gas**
- **100%** distillation of production wastewater; distilled water is used in subsequent production processes
- **filtration of hydraulic oils**: after filtration, the oil is used for casting machines
- Replacement of **lighting with LED**
- **PV farm** – 50 kWp, aiming for 800 kWp

- **utilization of waste heat** from machines (compressors, generators) for heating the production hall and warehouse
- **modernization and optimization** of the compressed air system



Our customers

Nowy Styl Group

Wilkhahn



bene

V/S

DEDON



Our customers



HEWI



torqeedo

ANKARSRUM®



Locations



Our locations

- **Łaziska Górne**
– registered office
- **Gorzów Śląski**
– production plant, management



Contact us

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