



**kowala**  
the non-ferrous metals foundry

Specialists  
in casts  
from

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**aluminium alloys**





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Aluminium alloy casts  
in pressure and sand  
technology



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Surface and mechanical  
CNC treatment





**Electric motor body**

**Weight:** 3.3 kg

**Machining:**

- CNC milling
- Drilling
- Threading



**Electric motor disk**

**Weight:** 1.6 kg

**Machining:**

- Glass bead blasting
- CNC milling
- CNC drilling

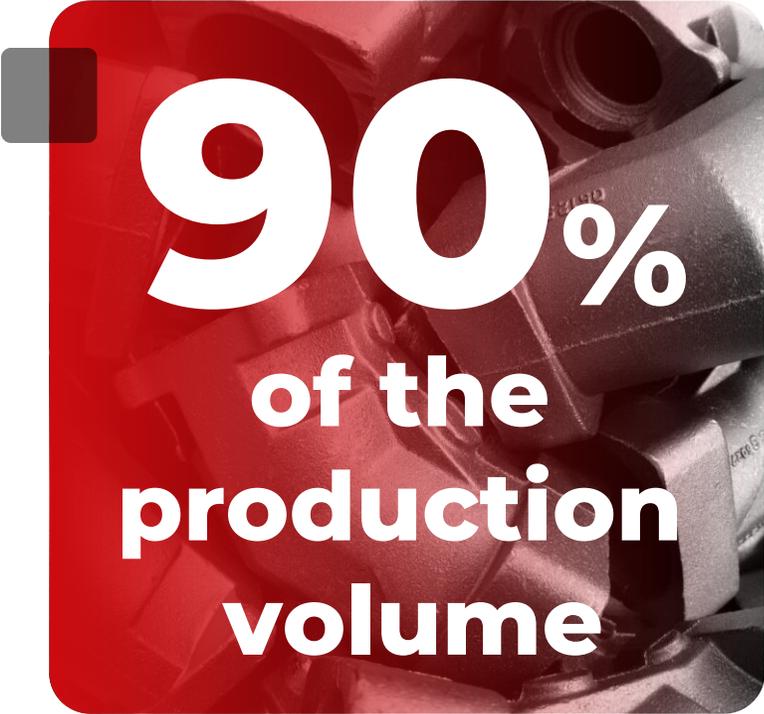


**Drill body**

**Weight:** 1.2 kg

**Machining:**

- Vibration-abrasive



**90%**  
of the  
**production volume**

# **Aluminium** and pressure casts

We provide top quality casts and comprehensive machining



**Base**

**Weight:** 3.3 kg

**Machining:**

- Shot blasting
- Powder coating
- Export



**Welding trolley body**

**Weight:** 2.5 kg

**Machining:**

- Shot blasting
- Thermal



**Band grab**

**Weight:** 0.73 kg

**Machining:**

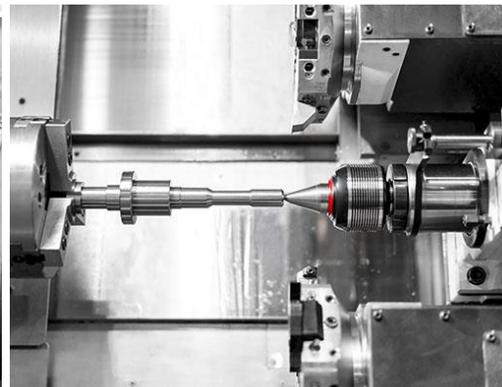
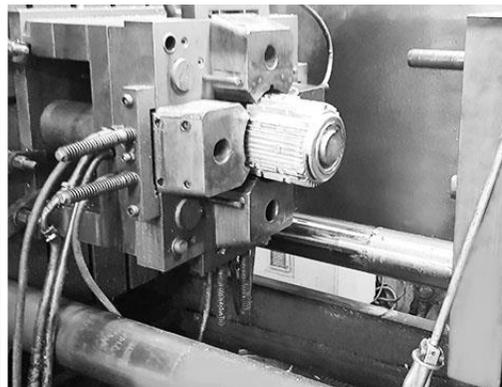
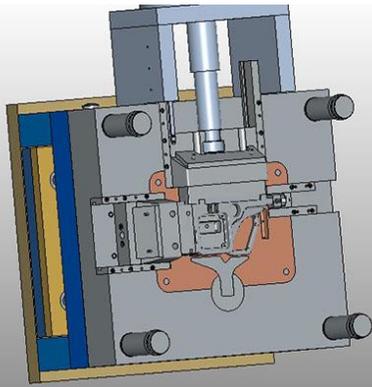
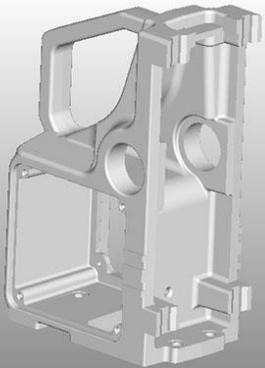
- CNC milling
- CNC drilling



# Aluminium and sand casts

We provide top quality,  
competitively priced, casts

# Comprehensive cast production



# Quality

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**assurance system**

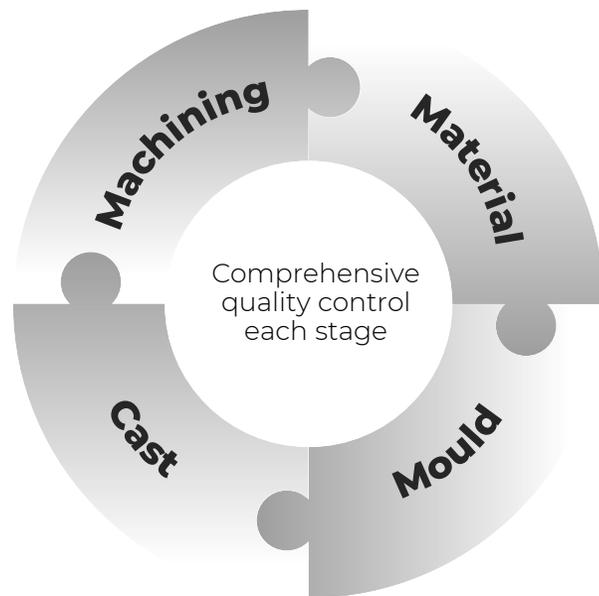


# Quality assurance system

Eliminating faulty products

# 1.1% complaint ratio

Constant quality control  
at each production stage



Quality assurance system based  
on ISO 9001:2015 certificate



We examine the manufacturing accuracy and chemical composition of alloys.

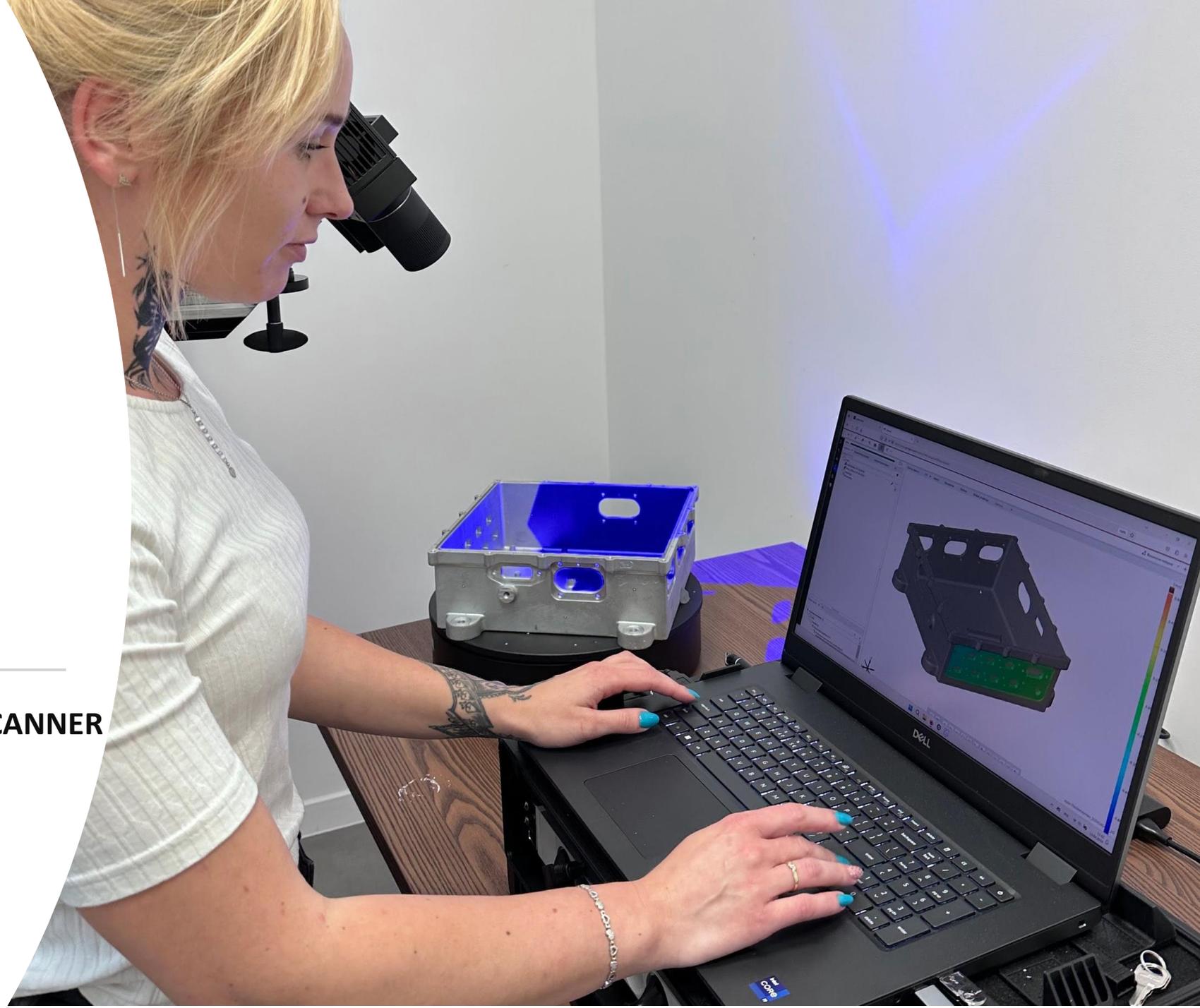
- Manual inspection of critical dimensions
- Visual inspection at each production stage
- 3D measurements



**Quality tests  
at all stages**

# 3D SCANNING

THE GOM ATOS Q 8M INDUSTRIAL 3D SCANNER



We offer a specialized inspection service, during which our experts will be pleased to scan your details.

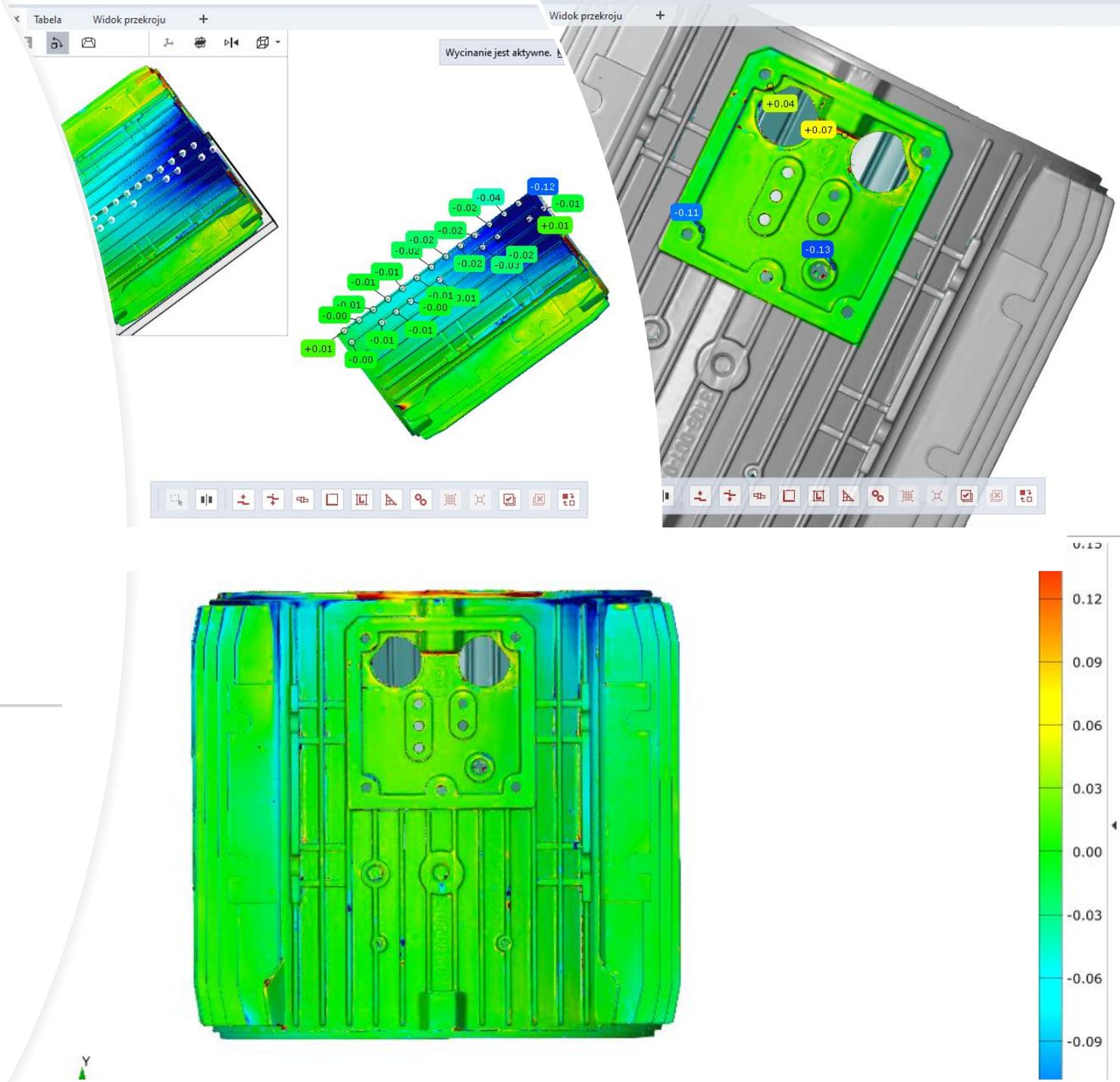
**By using our 3D scanning service,** you will benefit from:

- Advanced measurement analysis of your components
- Verification of dimensional and shape deviations of the scanned part compared to its 3D model
- Dimensional control with accuracy up to 0.01 mm
- Satisfaction Guarantee
- Reverse Engineering

We are able to scan:

- Metals**
- Plastics**
- Rubber**

**We rise our quality by using the GOM 3D scanner!**



# Selected materials

- We make castings exclusively from **top-quality certified raw materials**
- **We do not use scrap metal**
- We control the chemical composition of each batch of raw material
- We cooperate with suppliers well-proven for many years





**Prototyping using 3D printing services** is a technology that works excellently in the casting of non-ferrous metals.

**Thermoplastic elements accurately replicate the characteristics of the final product, demonstrating high mechanical, chemical, and thermal resistance.**

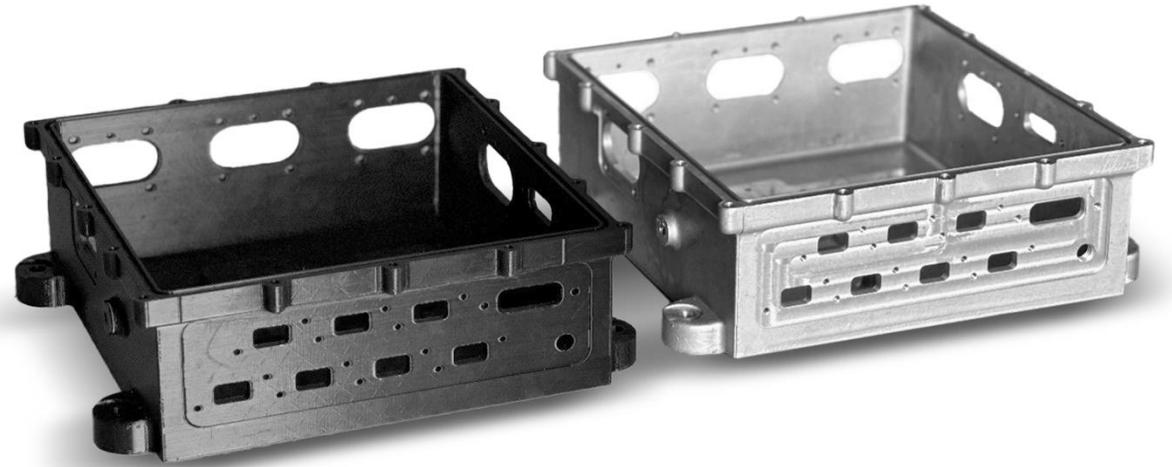
Their production is significantly **faster and cheaper** compared to prototypes created by traditional methods, such as casting, sheet metal forming, or CNC machining. It is also easier to implement any necessary adjustments and modifications in response to changing customer expectations.

## Professional printing of **prototype castings**

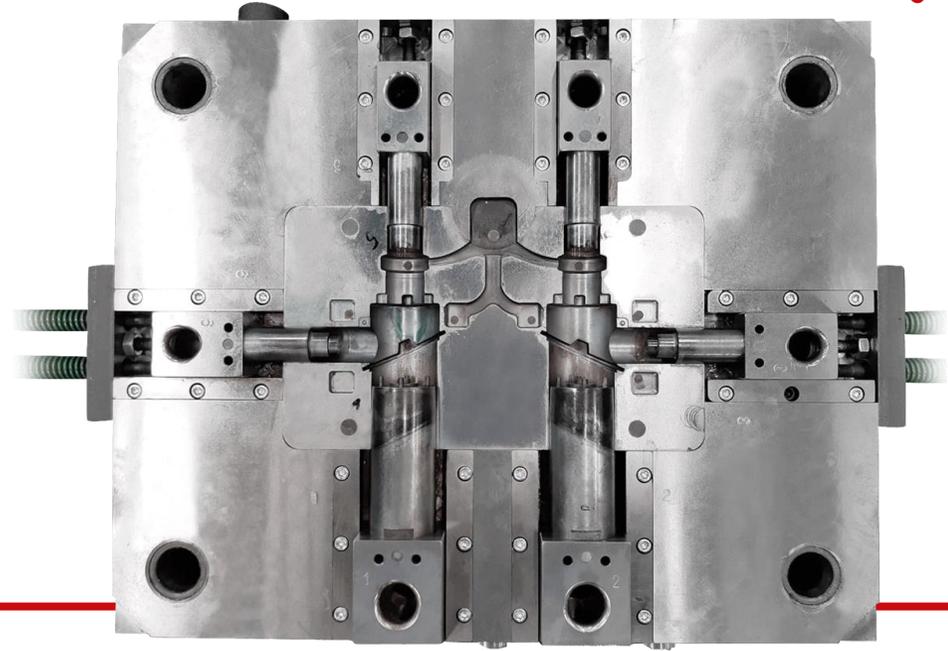
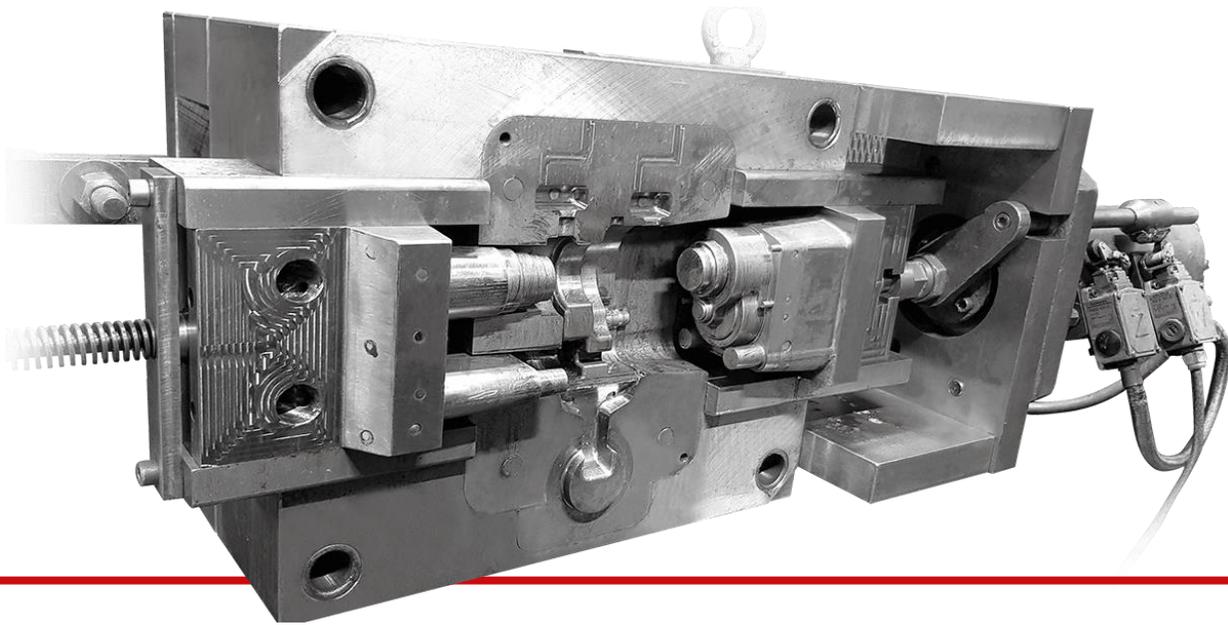
Print size	500*500*600mm ▶
Molding technology	FDM ▶
Precision	+/- 0.2 mm ▶

## Materials for **3D printing**

- ▶ PLA
- ▶ ABS
- ▶ ASA
- ▶ PETG
- ▶ Poliuretan
- ▶ PCTG
- ▶ Nylon



# Mould production



## Optimisation

We consult the design of moulds in a team consisting of the customer, designer and technologist.

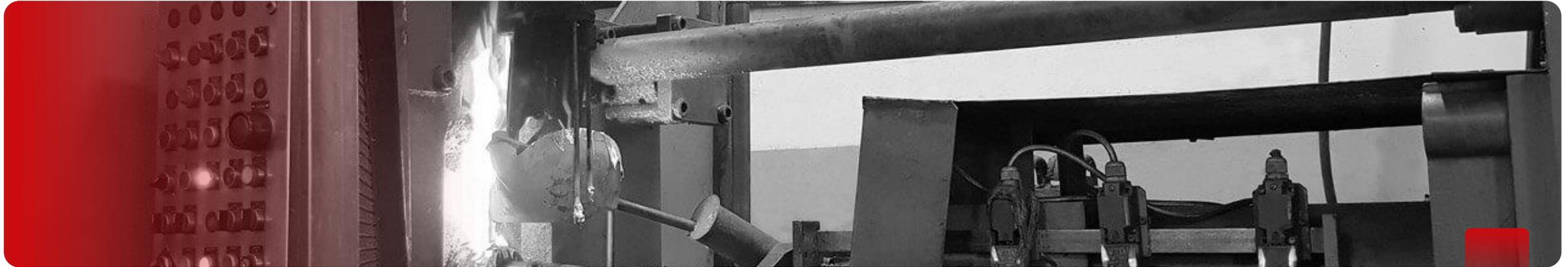
## Cooperation

We use casting moulds and models created in cooperation with trusted contractors.

## Savings

A well-done moulding translates into lower production costs and lower material consumption.

# Modern machinery

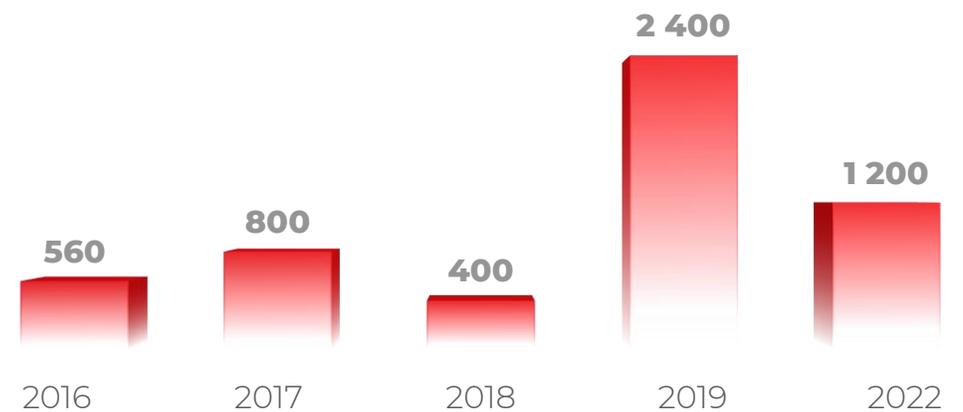


We have 7 pressure machines with a closing force from 100 to 560T

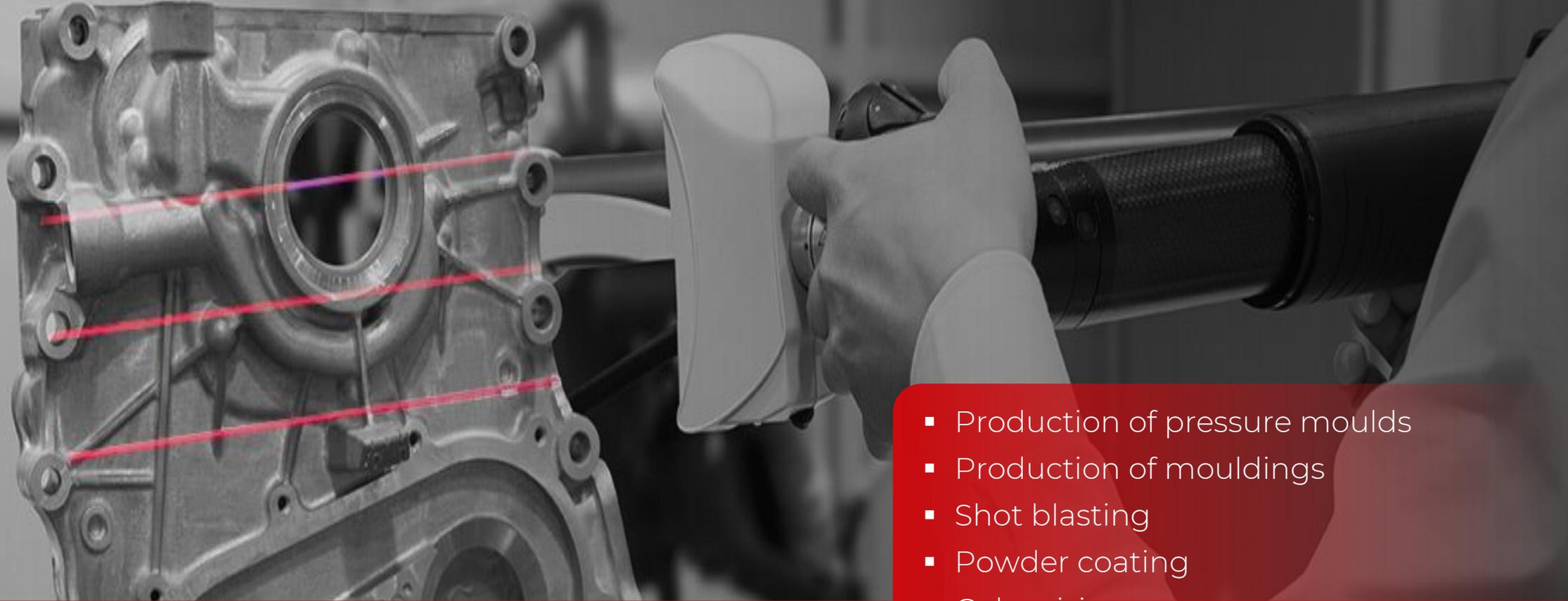
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We can create automatic lines dedicated to serial production of our customers

Investments of thousands of PLN



# Cooperation with partners:



- Production of pressure moulds
- Production of mouldings
- Shot blasting
- Powder coating
- Galvanising

# Processing capacities

## Own machinery:



### CNC centre TBI VC 1270 HH

- 3 axes
- 24 tools in the warehouse
- axis feed X/Y: 1200 x 700 mm



### CNC AVIAturn 50M lathe

- 4 axes
- 12 driven tools
- max. turning diameter 500 mm



### CNC AVIAturn 35MY lathe

- 5 axes
- 12 driven tools
- max. turning diameter 350 mm
- Y-axis travel +/- 50 mm



Hydraulic trimming presses	3 presses
Vibro-abrasive machining	2 machines
Sandblasting, glass bead blasting	2 machines

# We adapt to your procedures

This is a big saving for our customers



## Individual control procedures

We adapt quality control procedures to individual customer requirements.

## Dedicated production lines

We can purchase and maintain dedicated production lines for our customers.



## Stock in our warehouse

Regular customers can count on the stock in our warehouse. This is a value-added for our regular customers.

# Our strength is in our experienced employees



**60**  
experienced  
professionals



**4**  
engineers



**Extensive**  
training system



**Coordinators**  
assigned  
for each  
of the project

Fast production time  
thanks to a 3-shift work system

# About us

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# A family business with history

On the market since 1986



**38**

years on the market

**70**

employees

**1200**<sub>m<sup>2</sup></sub>

of production  
space

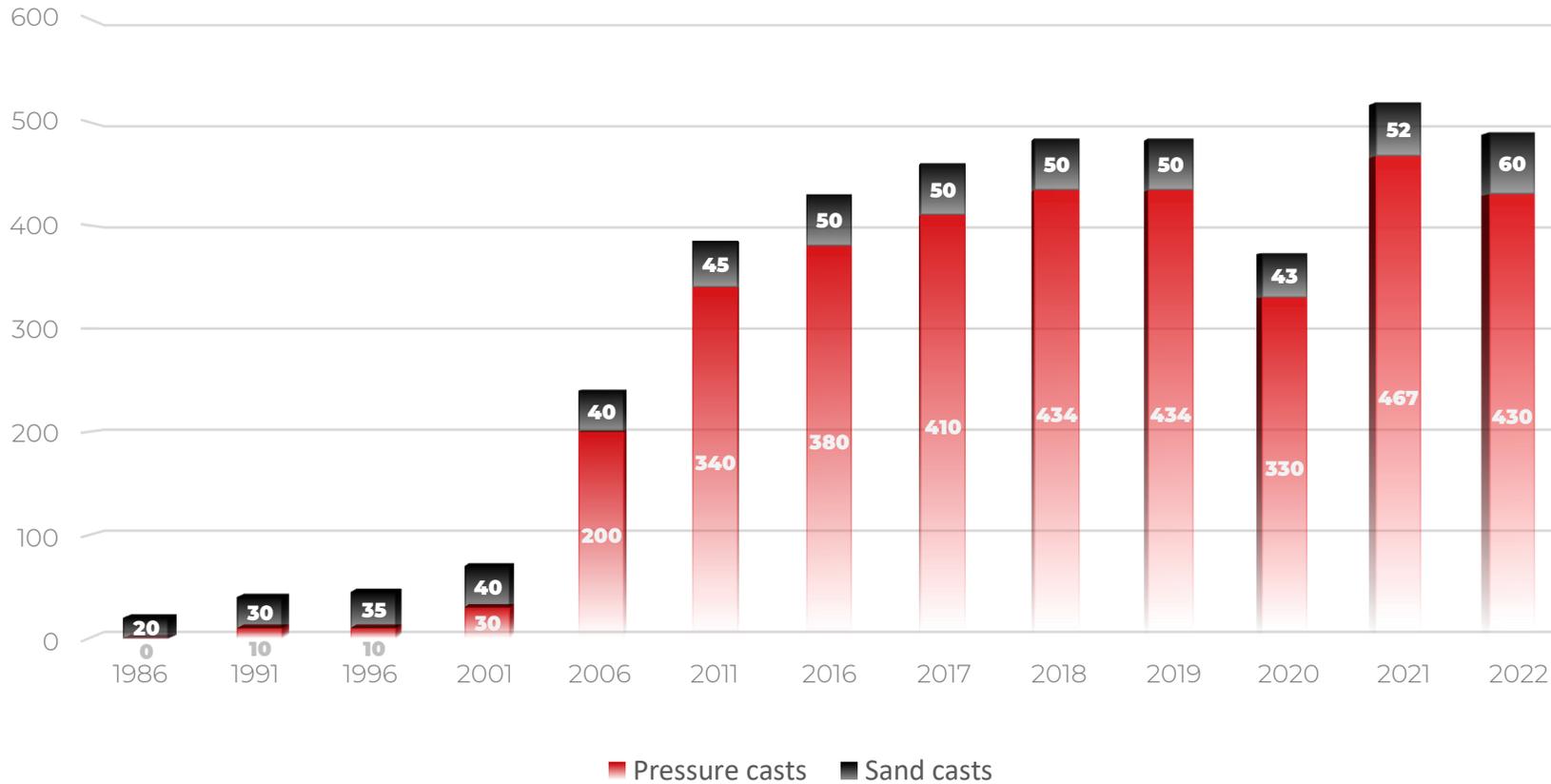
**40** tonnes

of castings  
per mont

**Up to 15,000 castings per week**

# The Kowala Foundry - dynamic growth

Sales volume in tonnes of casts



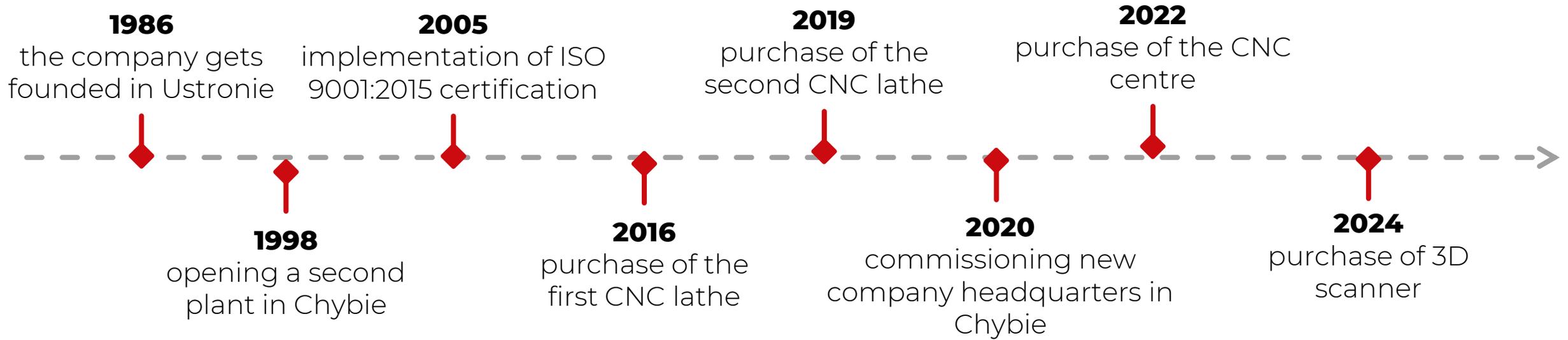
**15%**

**of our production  
volume is exported**

**Foreign  
expansion**



# We are committed to development



# We value regular customers



## Quality

Our top quality is a fruit of a constant pursuit towards process improvements and over 38 years of experience

## Credibility

ISO 9001:2015  
3xGazelle Company  
A family business  
A Forbes Diamonds 2024

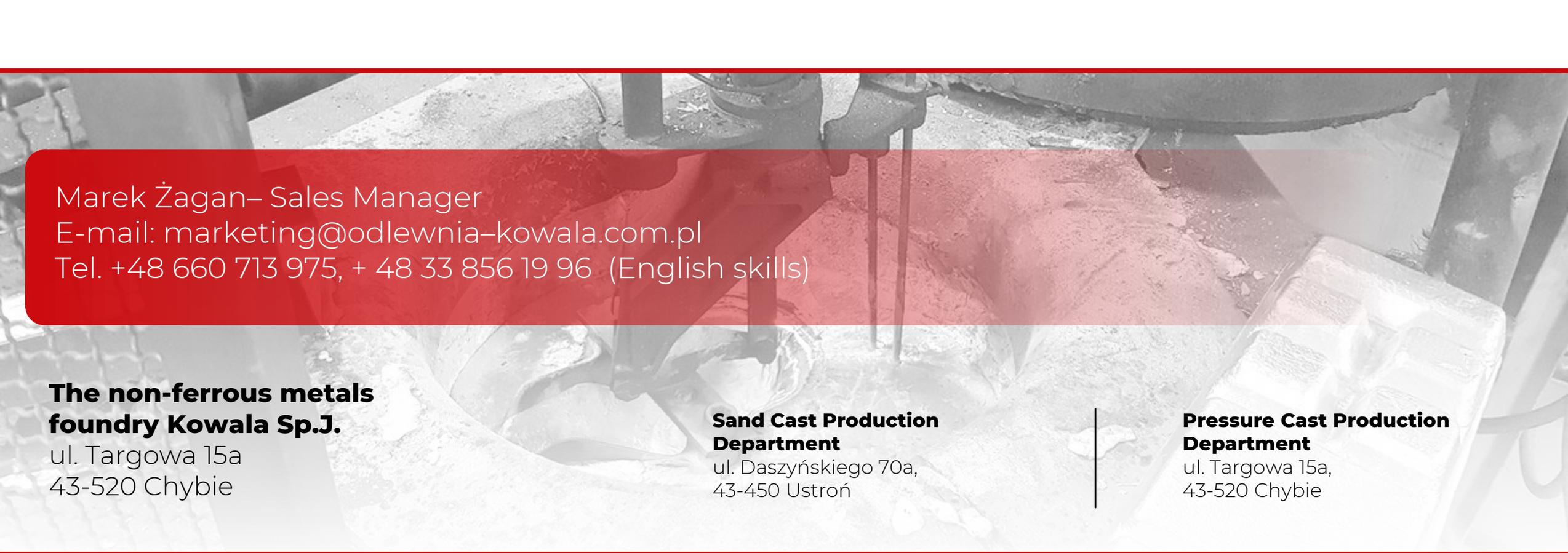


## Comprehensive production

From mould to processed cast

## Development

Development of production capacity, competence and process improvement



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43-520 Chybie

**Sand Cast Production  
Department**

ul. Daszyńskiego 70a,  
43-450 Ustroń

**Pressure Cast Production  
Department**

ul. Targowa 15a,  
43-520 Chybie

**We are looking forward  
to doing business with you!**

