

FROM
DESIGN TO
MASS
PRODUCTION

Prometal was founded in Bursa, Türkiye in the year 2000 for the manufacturing of precision zinc & aluminium diecast components. Our company has 5.000 sqm production area in one of the major industrial zones of the city. We supply to a wide variety of industries from automotive to white goods, including hardware, electrical components to gas appliances. All realised by our experienced team from design to dispatch.

Prometal is able to diecast 5.000 tonnes Zinc and 1200 tonnes Aluminium alloys per year.

Vision:

Perform the leading role in Türkiye zinc & aluminium diecasting market while being a privileged European supplier.

Value Engineering is also a key philosophy for Prometal working with customers to reduce costs and improve capability.

High pressure diecasting is the cost effective alternative to production methods such as machining, turning, pressing, stamping double expression for volume production. Die casting can reduce the design constraints of those manufacturing processes and reduce the material waste.



Prometal quality system covers the entire process of TS16949 :

First item inspection

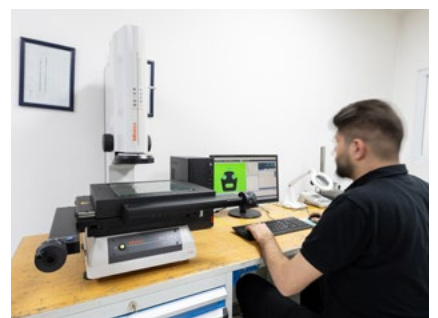
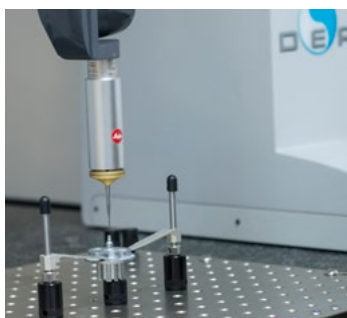
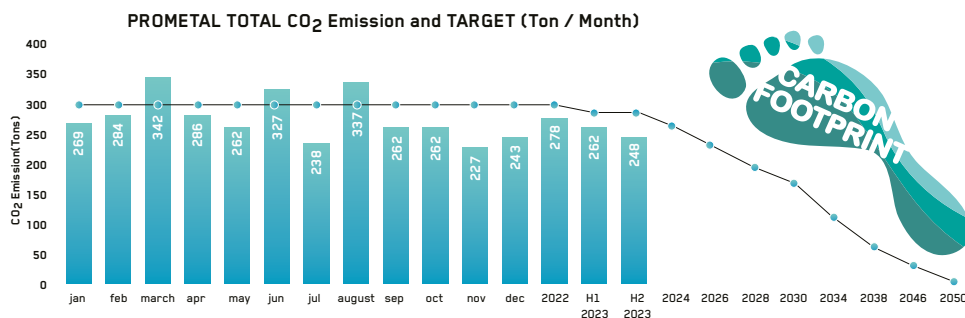
Raw material – Spectro Analyser

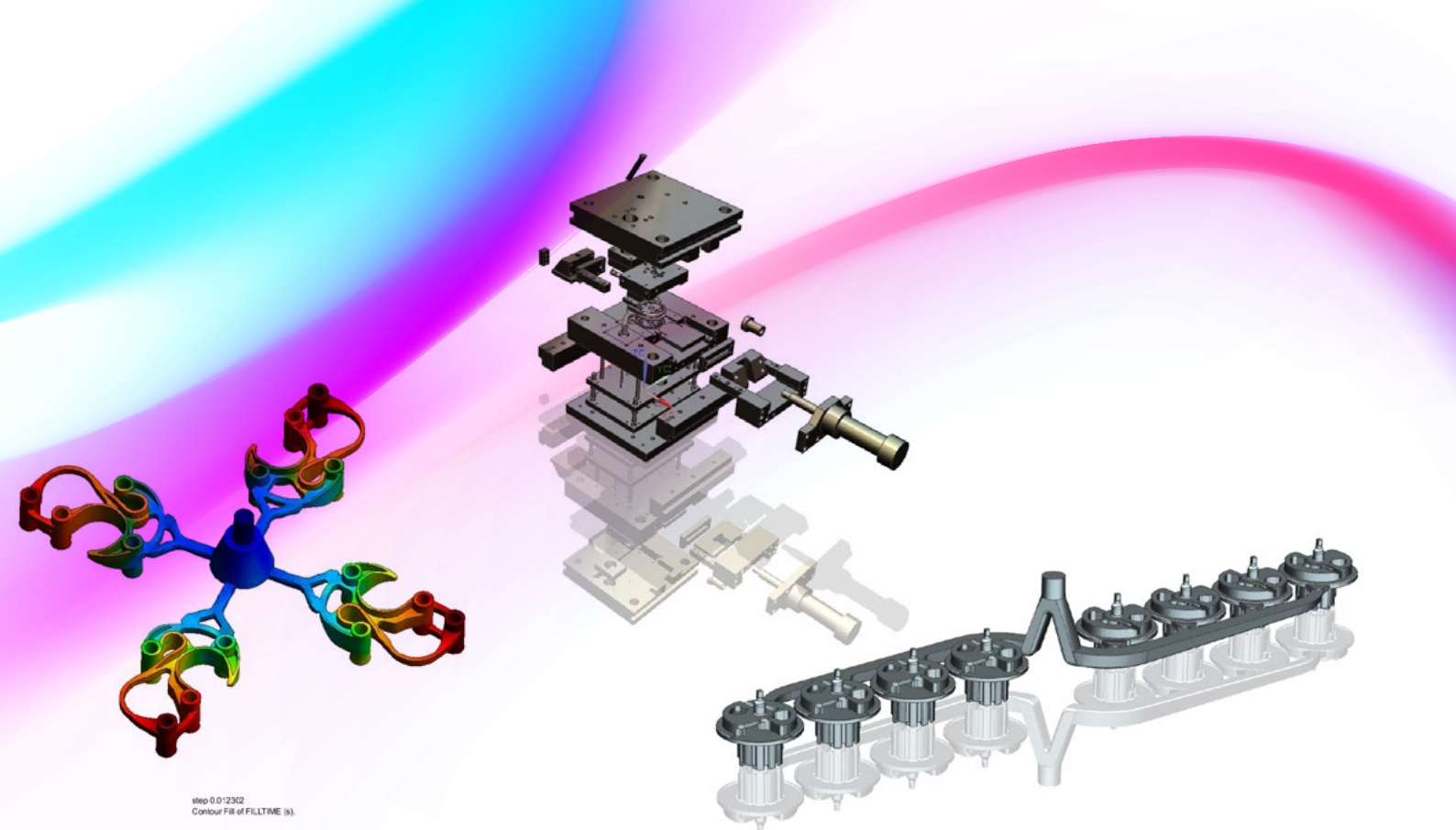
Inspection of Production and SPC

X-Ray

Final Inspection

Measuring control and testing equipments and also uses the methodology of control plans, FMEA, PPAP , APQP





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DIECASTING

Prometal is a specialized high pressure diecasting company of zinc and aluminium components with experience in tool design and tool manufacturing.

We globally supply competitively priced, ready for use components for more than 23 years.

Our diecast machines range from:

Zinc Multislide technology

Zinc Conventional 20 tonnes to 200 tonnes

Aluminium 300 to 800 tonnes.

TOOL MANUFACTURING

Prometal design and manufacture the tools inhouse by using advanced CNC technology supported by Unigraphics mold flow stations.

Design department communicates with customers by data transmission interfaces DWG, DXF, IGES, STEP and Parasolid during proposal and design stages.

The tools are subjected to a pre-production trial using an offline machine to prove readiness for serial start.

All tools are subjected to ultrasonic cleaning intervals as stated on control plans.

SURFACE FINISHING

Prometal can apply various surface finishing operations:

- Vibro-Deburring
- Barreling
- Shot Blasting
- Plating
- Powder Coating
- Ice Deburring
- Thermal Deburring

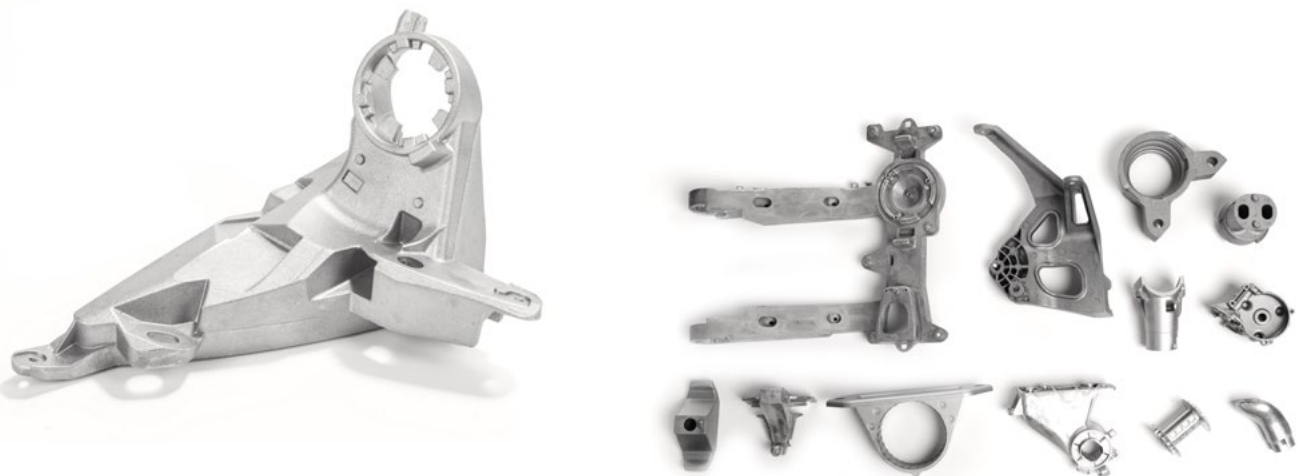
VALUE ADDED OPERATIONS

- Tapping
- Reaming
- Machining
- Assemblies

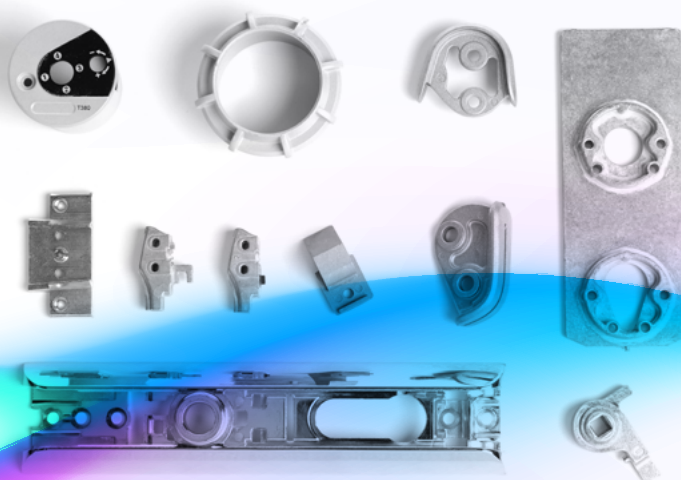
Automotive Zinc Diecast Products



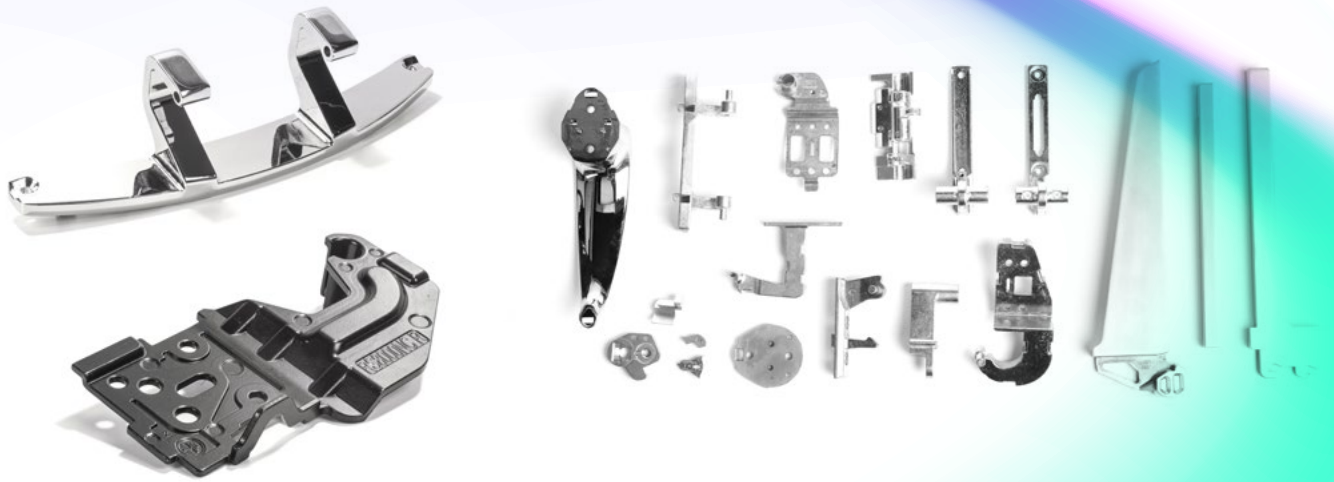
Automotive Aluminium Diecast Products



Hardware

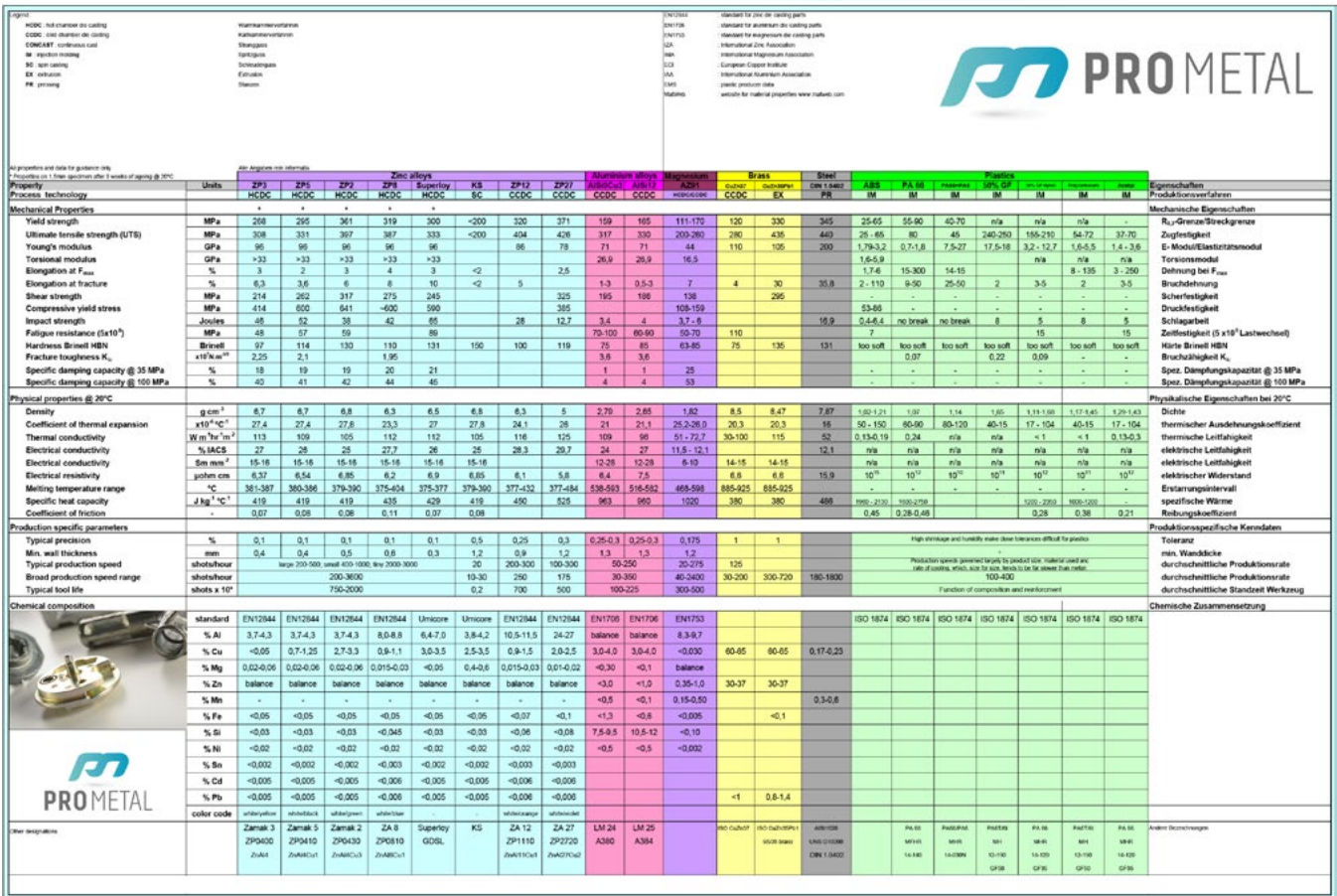


White Goods & Home Appliances



Assembly & Machining Products





PROMETAL

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