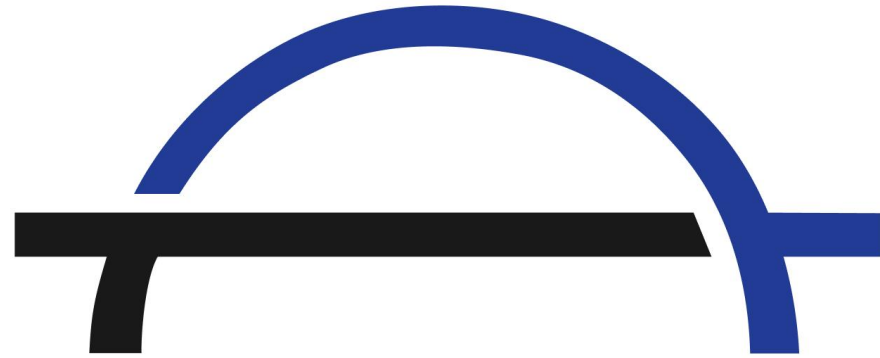




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Connecting Businesses

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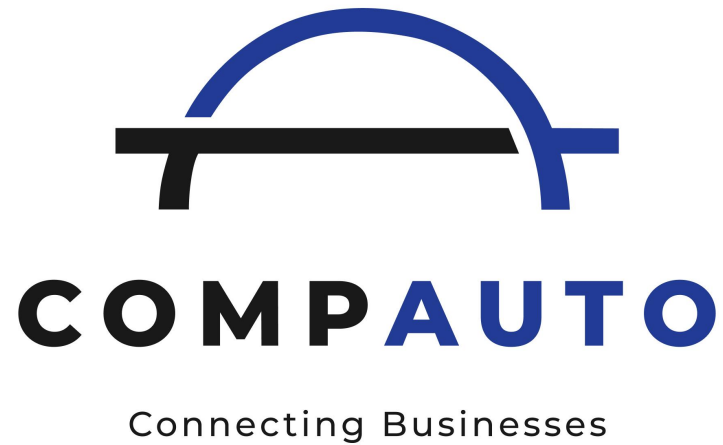
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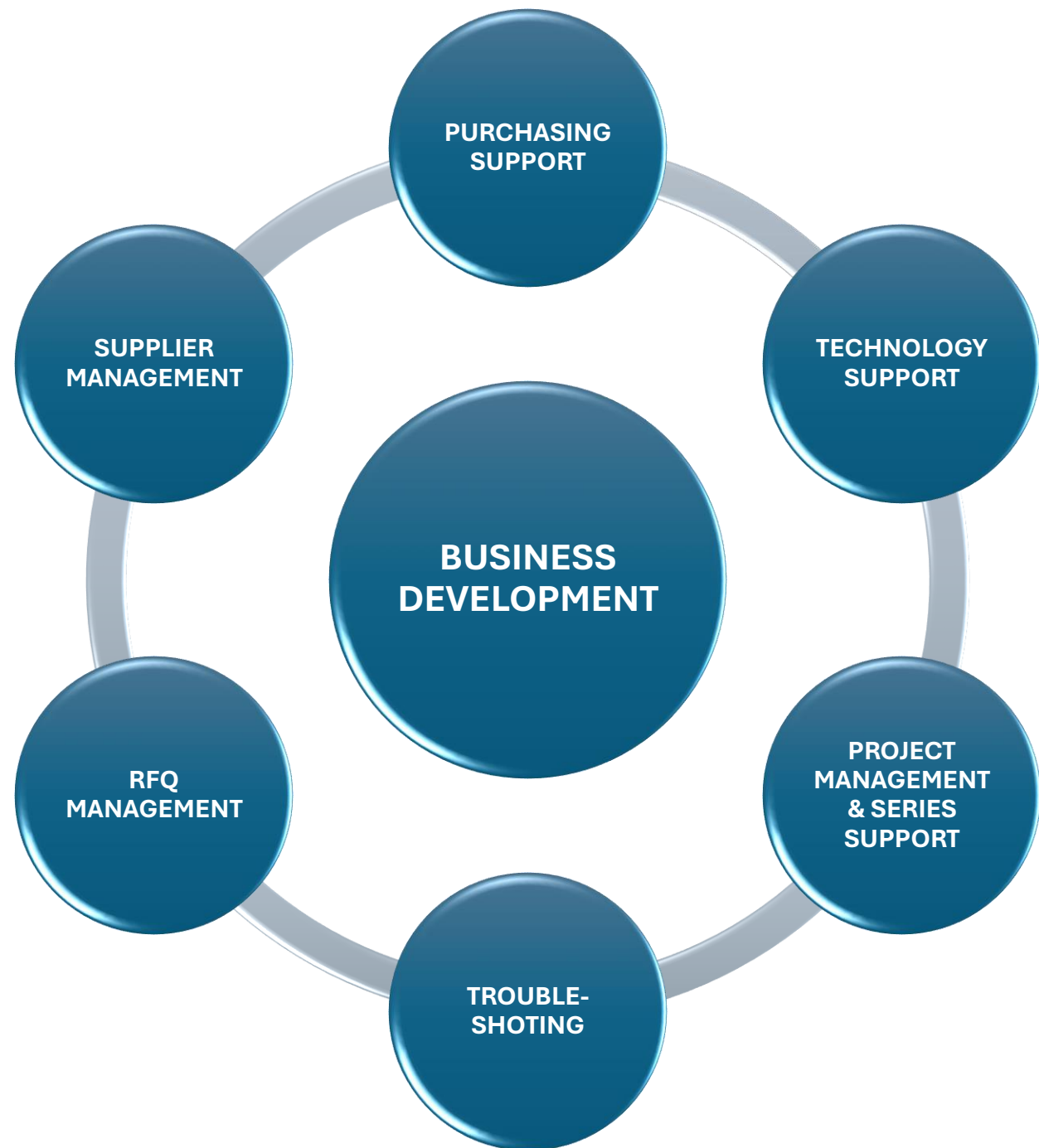
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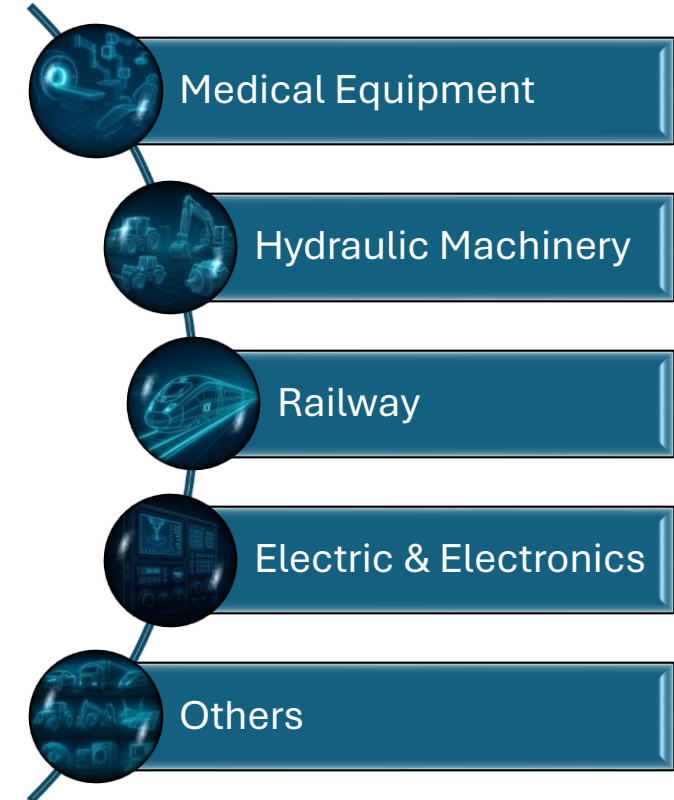
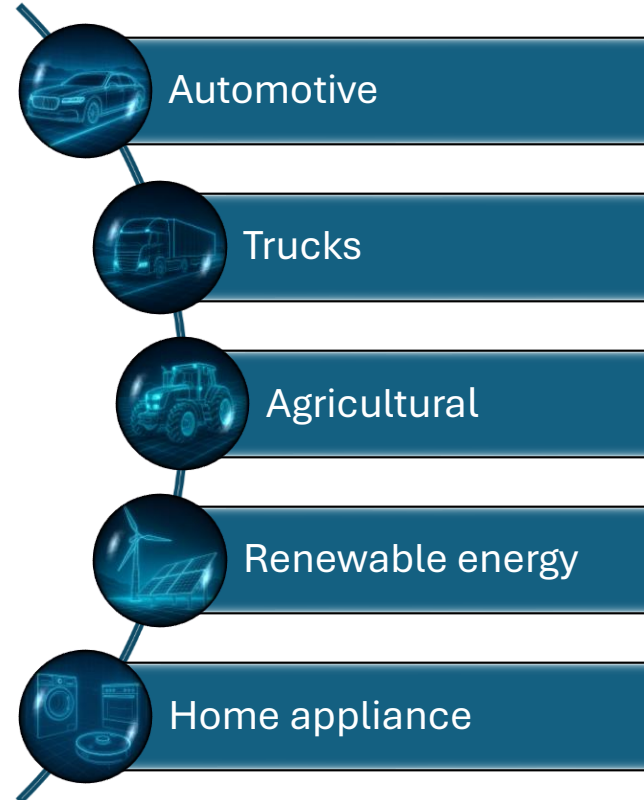
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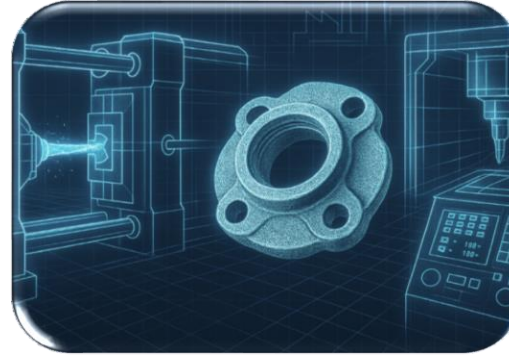
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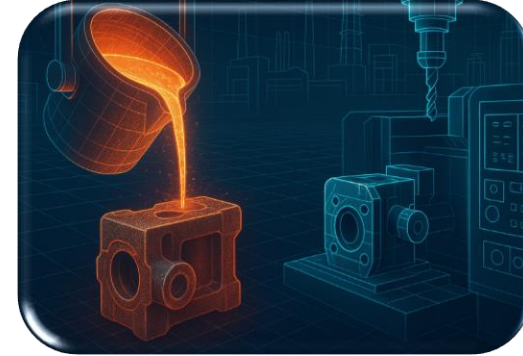
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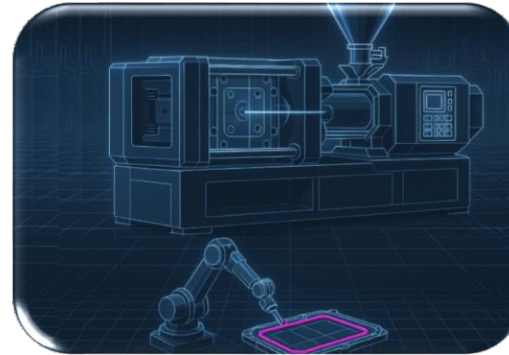
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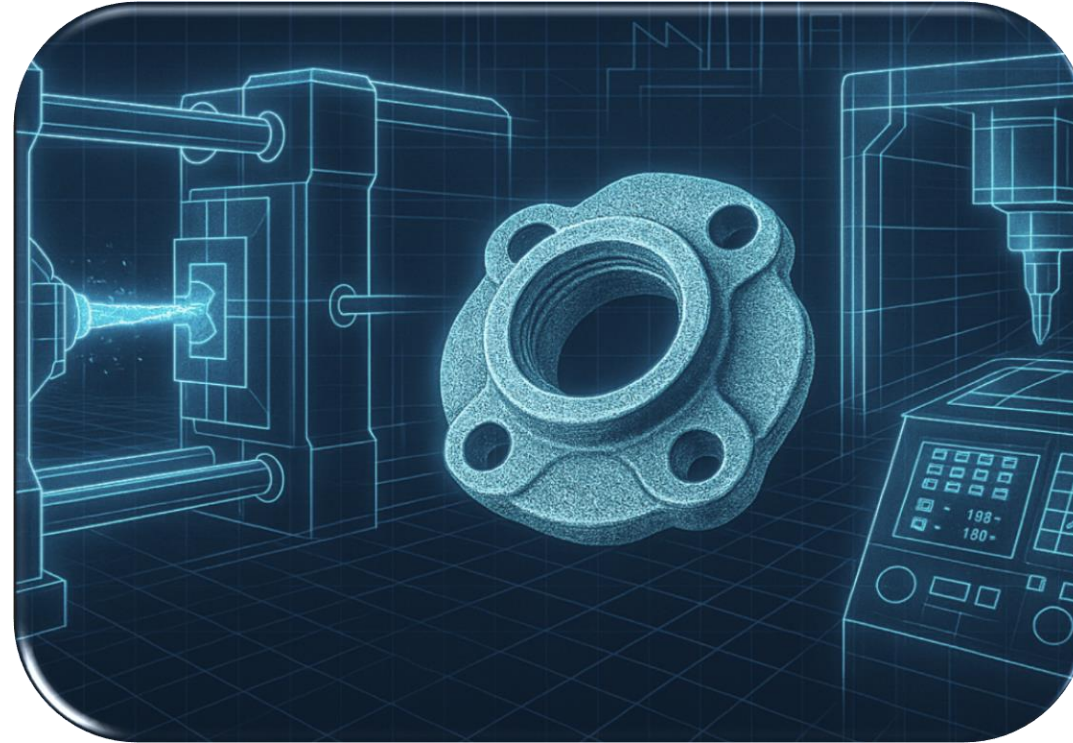
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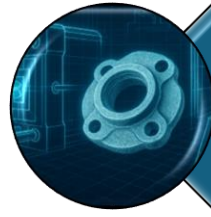
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Production Partners

Aluminium HPDC (160Tn-2.200Tn)

Zamak HPDC (80Tn – 220Tn)

Machining (Diverse CNC)

Cleaning / Leak test

Treatments (KTL, Passivation...)

Assemblies

Weights from 10gr to 5kg

Yearly quantities from 500pcs to > 2M



Primary Aluminium

Secondary Aluminium

Zamak

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Project examples



EV On Board Charger (Automotive)

3,4 kg - AC43400

Cast + Trobal+ Machining + Leak test



Battery Support (Trucks)

1,475 kg - AC44300

Cast + Shotblasting +Machining



Electronic steering PCB heatsink (Automotive)

0,230 kg - AC47100

Cast + Trobal + Machining



Electronic board Charger (Automotive)

2,4 kg - AC 46500

Cast+ Trobal + Machining



Valve block (Neumatic)

0,190 kg - AC46100

Cast + Trobal + Machining



Housing for connectors (Telematics)

0,650 kg - AC43400

Cast + Machining + Powder Coating+ Laser marking

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Project examples



Housing with water cooling circuit (Automotive)

0,7 kg - AC44300

Cast + Shotblast + Machining +
FSW + Leak test



Body for hydraulic pump for braking (Agriculture)

0,3 kg - AC46000

Cast + Shotblast + Anodizing
+ Machining + Leak test



EGR valve body (Automotive)

0,82 kg - AC47100

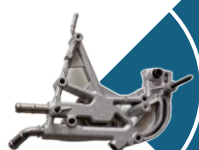
Cast + Shotblast + Machining +
Pug Assembly + Leak test



Heating (Stop & Start)

0,28 kg - AC44300

Cast + Trobal + Machining +
Pug Assembly + Washing



EGR support (Automotive)

1,2 kg - AC46000

Cast + Shotblast + Machining +
Multiple Assembly + Leak test



Oil filter housing (Trucks)

2,7 kg - AC46000

Cast + Shotblast +
Machining + Leak test

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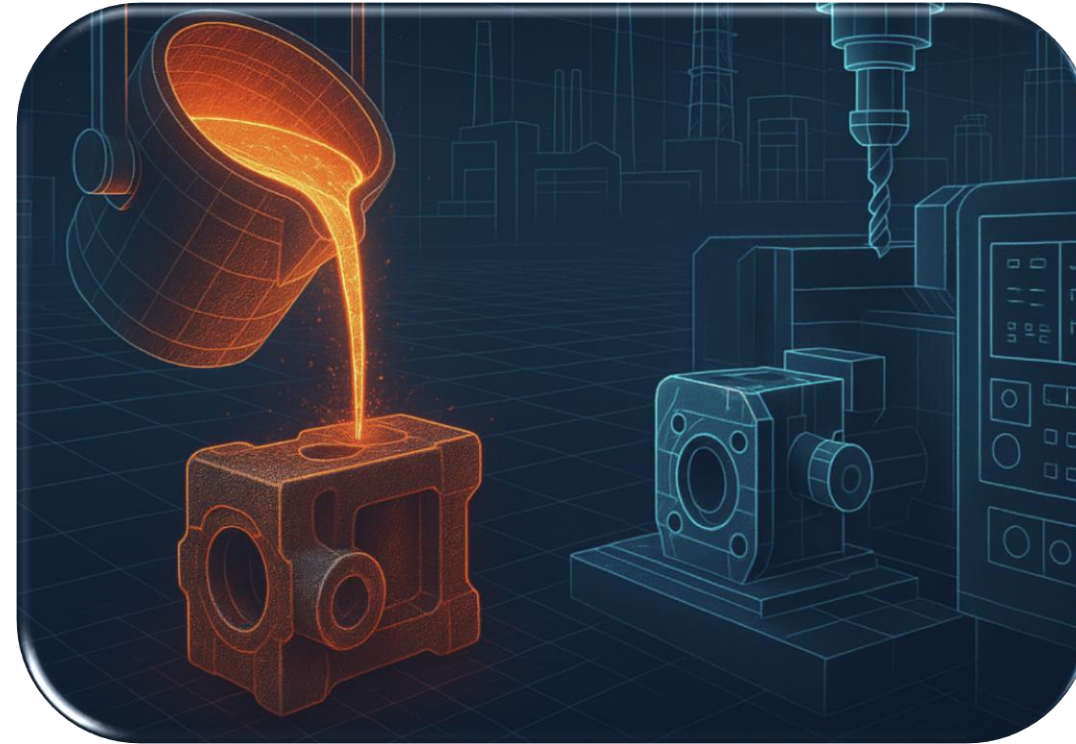
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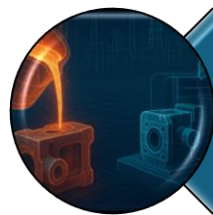
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Production Partners

Casting & Forging

Surface Treatment (KTL, others)

Milling / Turning / Honing

Lapping / Deburring

Cleaning / Leak test

Assemblies

Weights from 250gr – 30kg

Yearly quantities from 2.000 to >1M



Cast Iron

Forged Steel

Magnesium

Titanium

Others (Acc Customer)

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Project Examples



Hydraulics Plate

23,7 kg - Nodular Iron



Hydraulics Motor Housing

15,3 kg - Gray Iron



Hydraulic Valve Housing

1,024 kg - Ductile Cast Iron



Automotive Exhaust System Bracket

1,4 kg - Ductile cast Iron



Automotive HP Pump Flange

0,508 kg - Grey Iron



Hydraulic Pump Gear Rim

3,45 kg - Ductile Cast Iron

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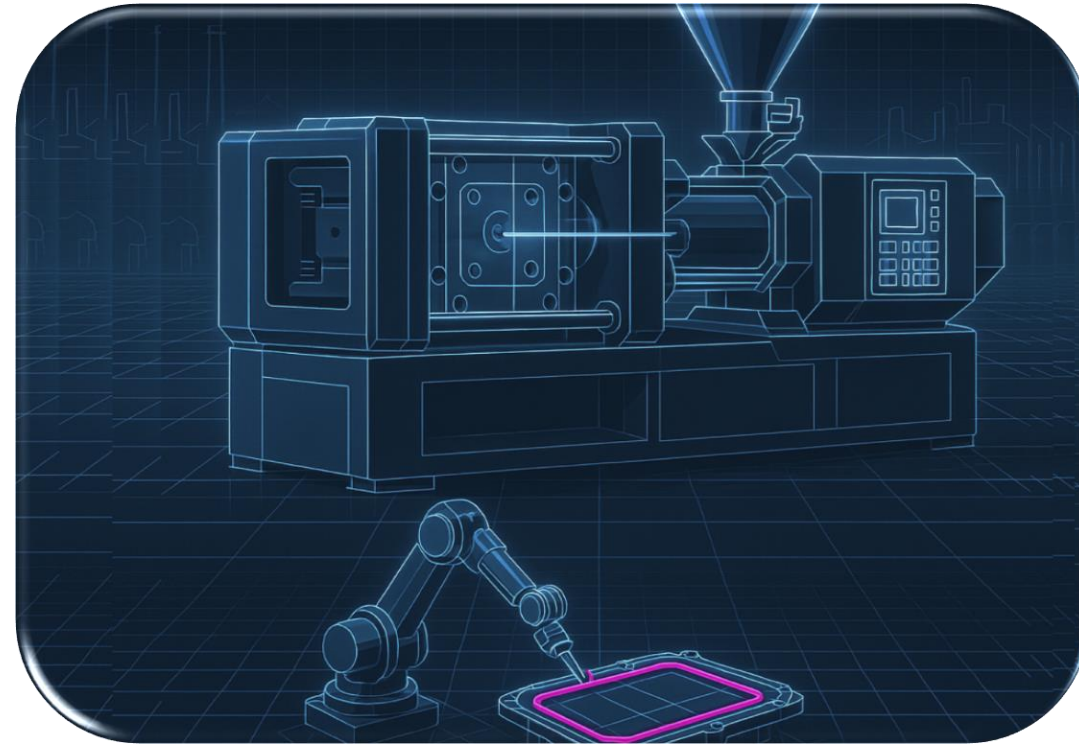
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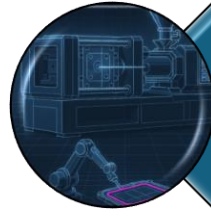
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Production Partners

Technical parts (5Tn – 650Tn)

2K Technical parts (110Tn – 650Tn)

Plastic to Plastic / Rubber / Metal

100% Visual Check Stations

Cleaning stations

Assemblies

Weights from 0,5gr to 1,5kg

Yearly series from 1.000 to >3M



PA

PBT

ABS

PPS

PP

Others (Acc Customer)

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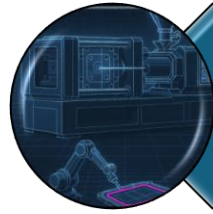
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Project Examples



Combustion Sensor Spigot (Automotive)

PA66 + Brass insert
58 gr



Oil Tank Cover (Automotive)

PA66
208 gr



Fluid Handling Spacers, Retainers & Connectors (Automotive)

PA12 + Diverse GF
Diverse weights



Diverse Valve, Electric & Electronic components



Diverse Medical Equipment Components



Diverse Door Lock Components

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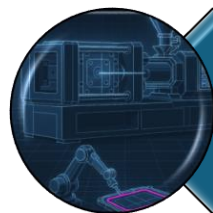
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Project Examples



Air Filter Box (Automotive)

5 different parts assembly from
0,075kg to 0,610kg - PP+TPE

1K and 2k technology



Air Filter Box (Automotive)

2 different parts assembly
0,27kg and 0,48kg - PP+TPE

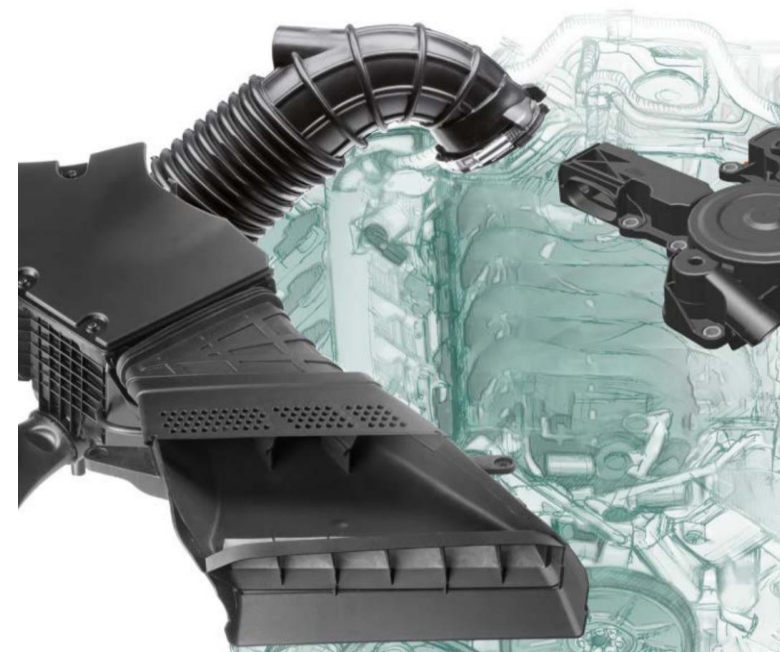
1K technology



Gear Cover (Automotive)

0,11kg - PAGF35) + 0,013kg -
ACM

Overmoulding



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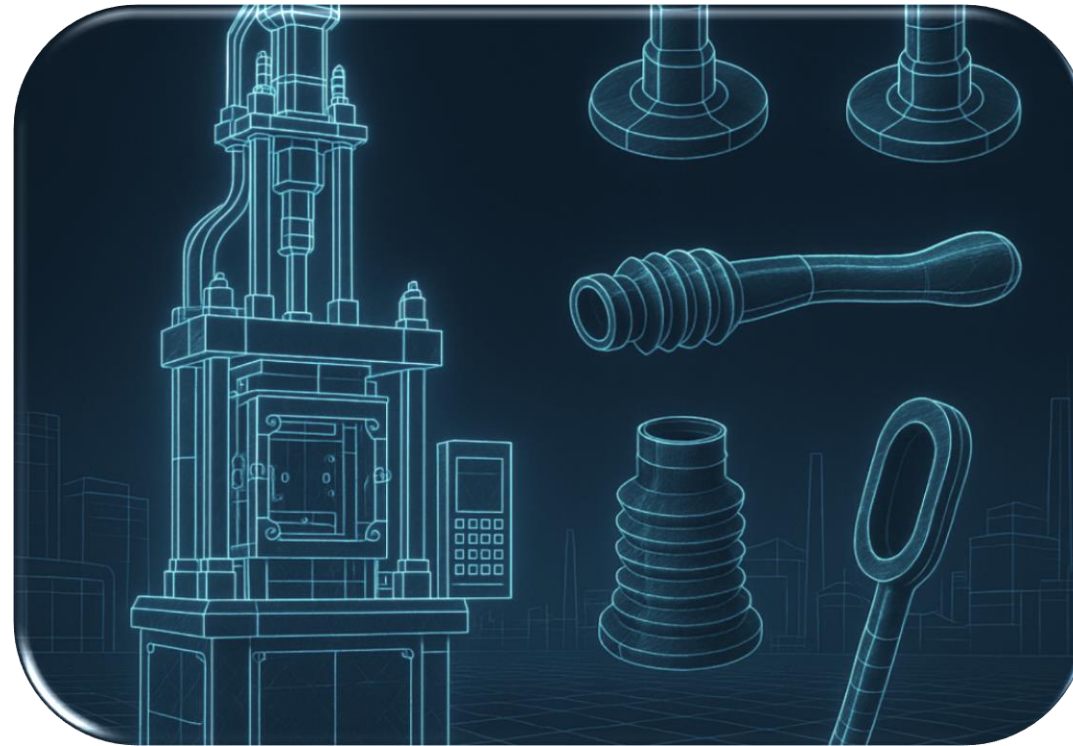
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Production partners

Rubber Injection (255Tn – 500Tn)

Horizontal & Vertical machines

Cleaning + Postcuring stations

Deflashing (Criogenic) & Drying

Buterolage & Callibration process

Rubber extrusion process

Weights from 1gr to 2kg

Yearly series from 1.000pcs to >3M



EPDM

NR

NBR

HTV

TPE

Others (Acc. Customer)

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Project Examples



Industrial Pumps Sealing (Industrial)

0,001kg - NBR75 ° Sh A
1K Technology



Engine Mount Bellow (Automotive)

0,021 kg – EPDM
1K Technology



Dust Cover for diverse applications

0,021kg – EPDM
1K Technology



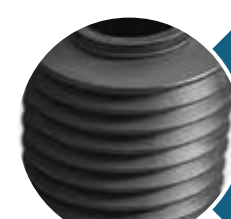
Wiper System Groomet (Automotive)

0,013 kg - NR40°
1K Technology



Ignition coil cover (Automotive)

0,014 kg - Solid Silikon
1K Technology



Dust Cover (Automotive)

0,05 kg – Chloroprene
1K Technology

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Project Examples



Bushing diverse applications (Automotive)

0,465 kg – NR + Steel



Bushing diverse applications (Automotive)

0,55 kg – NR + Steel +
Poliamide



Bushing diverse applications (Automotive)

0,18 kg – NR + Steel



Cable grommet (Automotive)

0,104 (TP) and 0,112 (TPS)
2K Technology



Shock Absorber (Automotive)

PA + NR
1K + Assembly



Fuel Gasket (Automotive)

0,047kg - FPM
1K Technology

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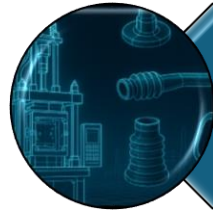
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Project Examples



Pedal Cap (Automotive)

Diverse Weights - TPE
1k Technology



Cable Grommet (Automotive)

Diverse weights – EPDM
1K Technology



Water Pump Supports (Automotive)

0,05kg average – EPDM
1K + Metal overmoulding



Oil Pan Gaskets (Automotive)

0,025kg average – ACM
1K Technology



Diverse industrial applications



Diverse industrial applications

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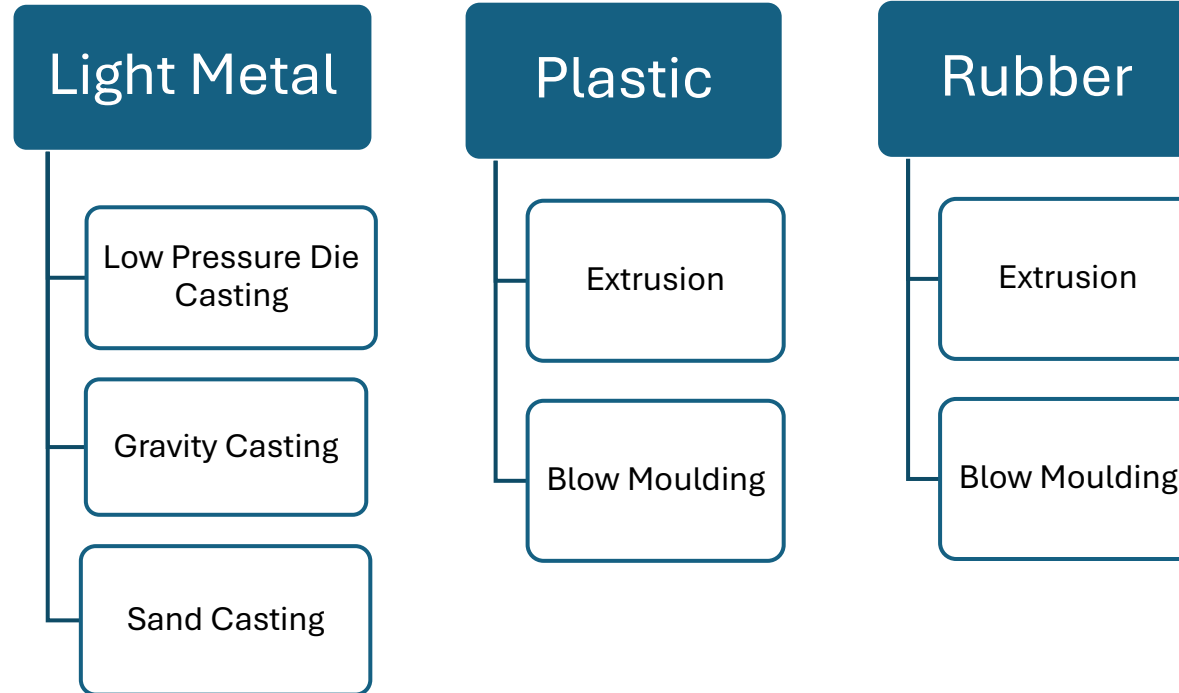
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