

low pressure and gravity die casting **machines** and tooling



DESIGN consulting custom design turnkey projects

CONSTRUCTION standard customized

AFTER SALES training service

PROCESS technology transfer



More than 500 machines sold around the world

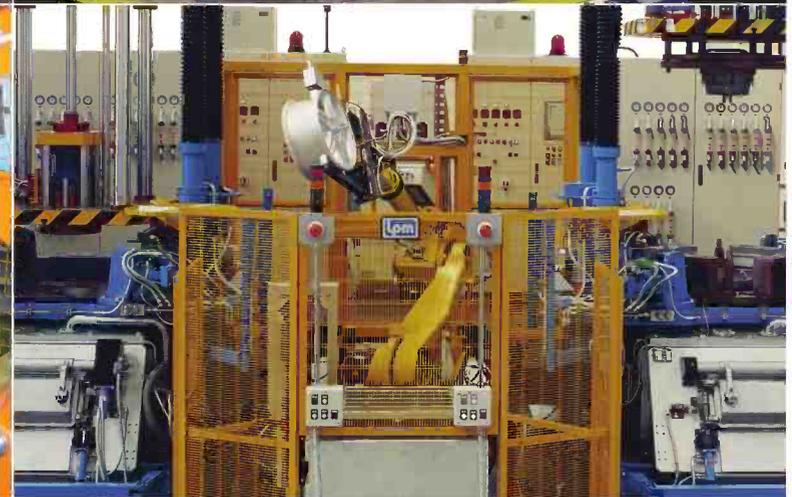
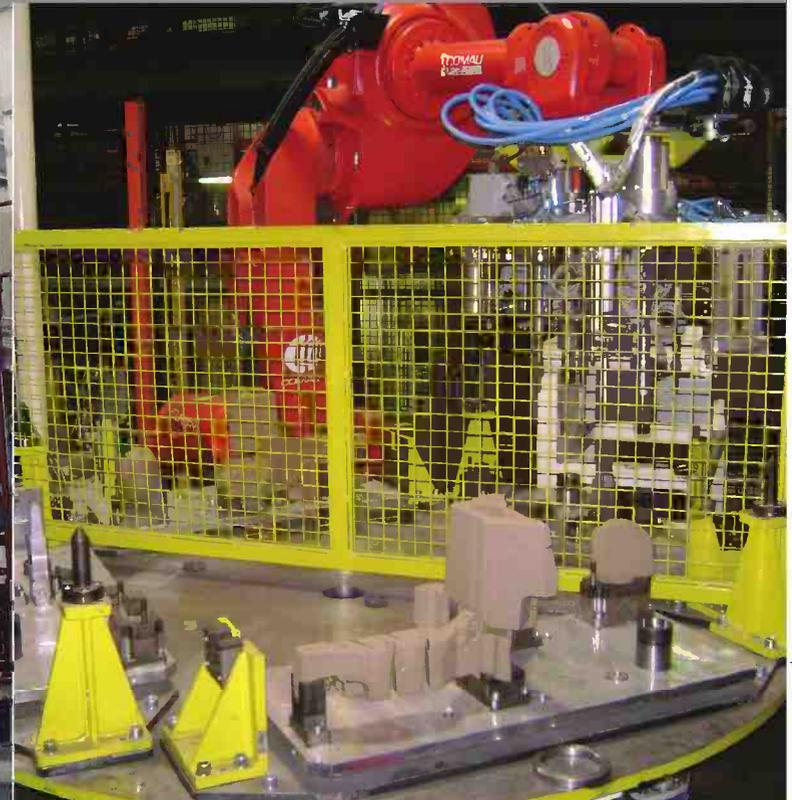


Italy Germany France Austria Thailand Indonesia China Taiwan Mexico USA Norway Iran Venezuela South Africa Brazil
Czech Republic Hungary Turkey Australia South Korea Spain Slovenia Poland Croatia Russia Ethiopia Canada Argentina



Group activities





Optional features



①



②



③



④



④



⑤

- ① quick riser tube changeover
- ② water quench system
- ③ protection system for heating elements
- ④ automatic furnace door opening
- ⑤ flip top platen

Low pressure die casting machines

I° SERIES

BP3

the origins



BPD

OEM production



BPT

innovation



Low pressure die casting machines

II° SERIES

BPB
the evolution



BPB double
double print



BPC
tradition



- ① motorbike wheels
twin cavity
- ② reverse furnace
motion

Low pressure die casting machines

III° SERIES

BPS

Simply practical



BPS-8

Practical and effective



BPS-C

Practical with crucible



③ automated wheel casting cell

④ furnace with tilting feature
and automatic door open/close



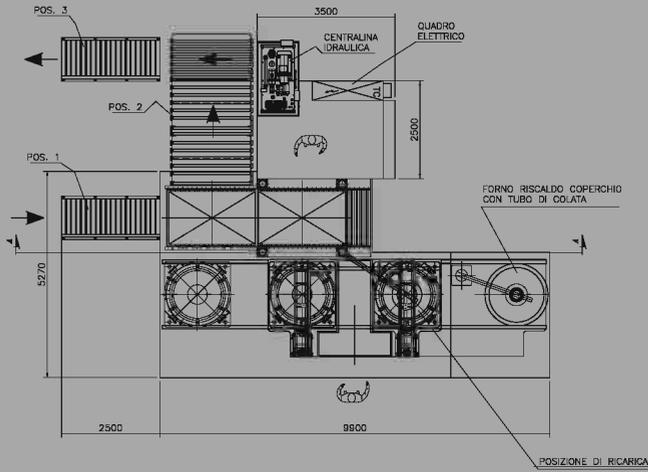
Aluminium and magnesium gravity sand casting



- ① crucible for magnesium
- ② electric magnesium melting/holding furnace



Aluminium and magnesium low pressure sand casting

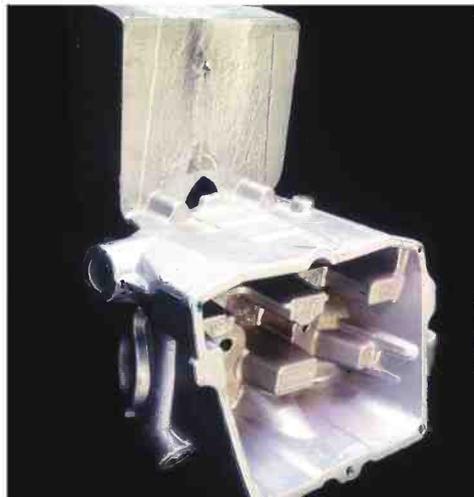
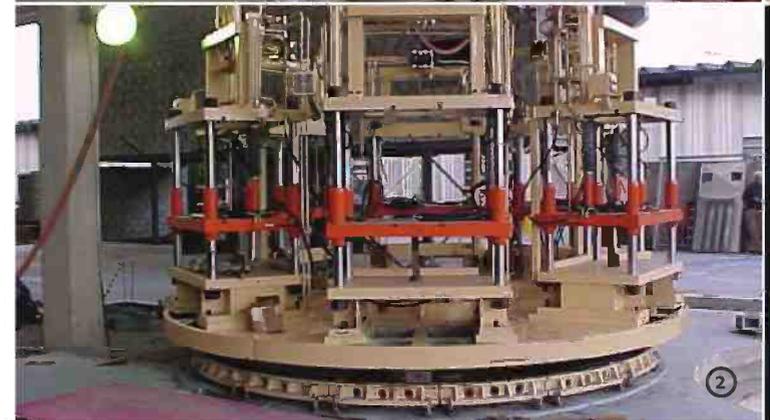


- ③ aluminium and magnesium low pressure sand casting machine
- ④ low pressure furnace for magnesium
- ⑤ sand molds shuttle
- ⑥ low pressure riser tube



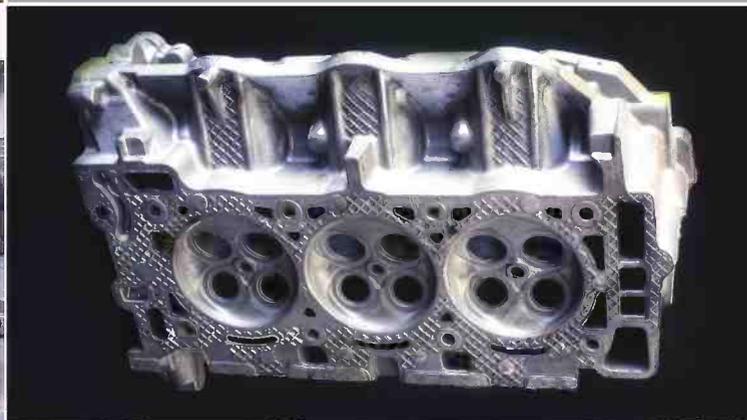
Tilting gravity die casting machines

TCB



- ① robotized casting cell
- ② casting carousel

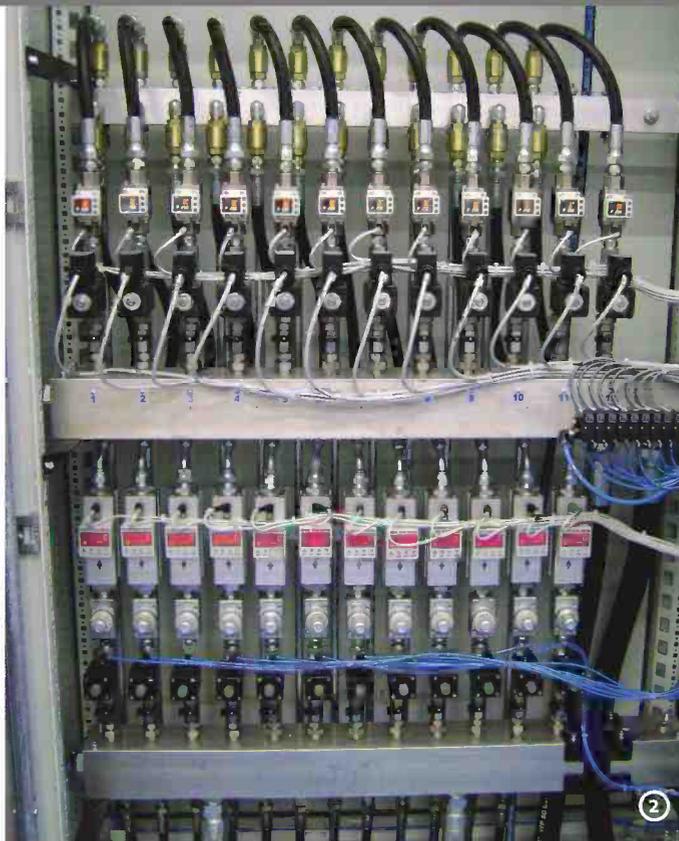
Stationary gravity die casting machines



Ancillary equipment



1



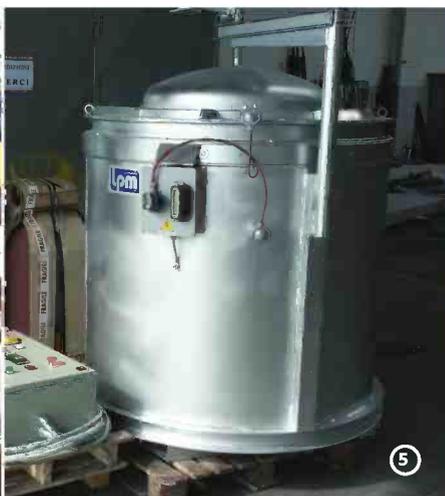
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3



5



5



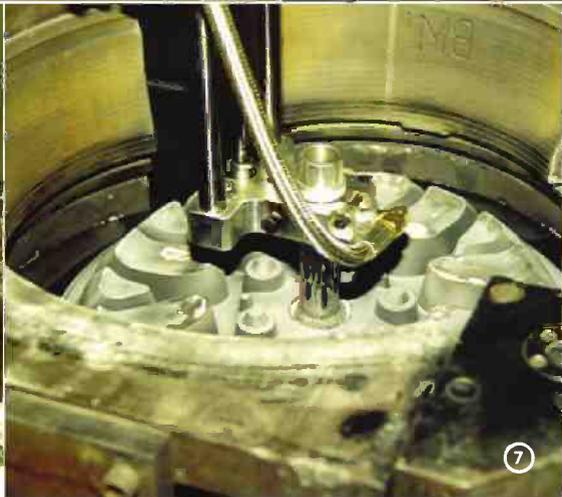
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4



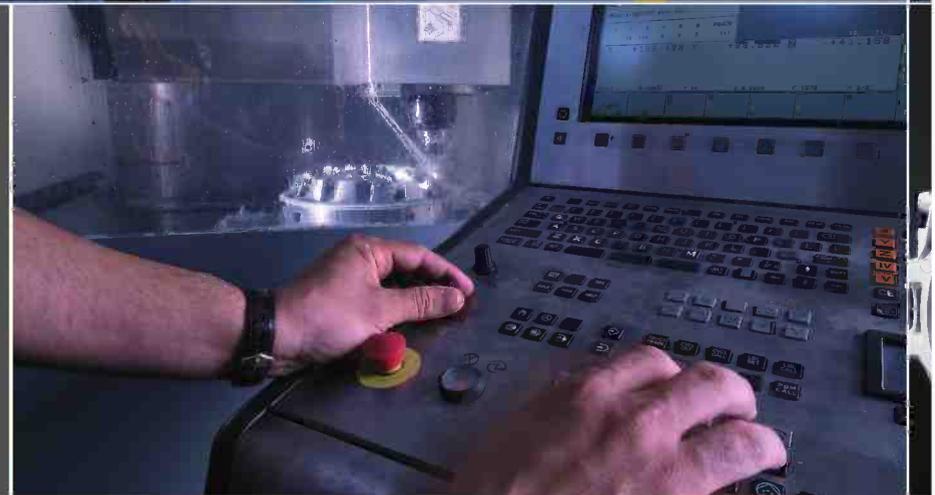
- ① hydraulic unit with accumulator
- ② digital and proportional cooling rack
- ③ leak test machine (air in water)
- ④ electric heated ladle
- ⑤ metal transfer with tilting ladle
- ⑥ linear catching retriever
- ⑦ auto screen loader



Molds and core boxes



- ① typical 4-cavity low pressure mold for automotive suspension parts
- ② machining of cylinder head mold



Tool shop



State of the art
machining equipment



De-sprueing machine



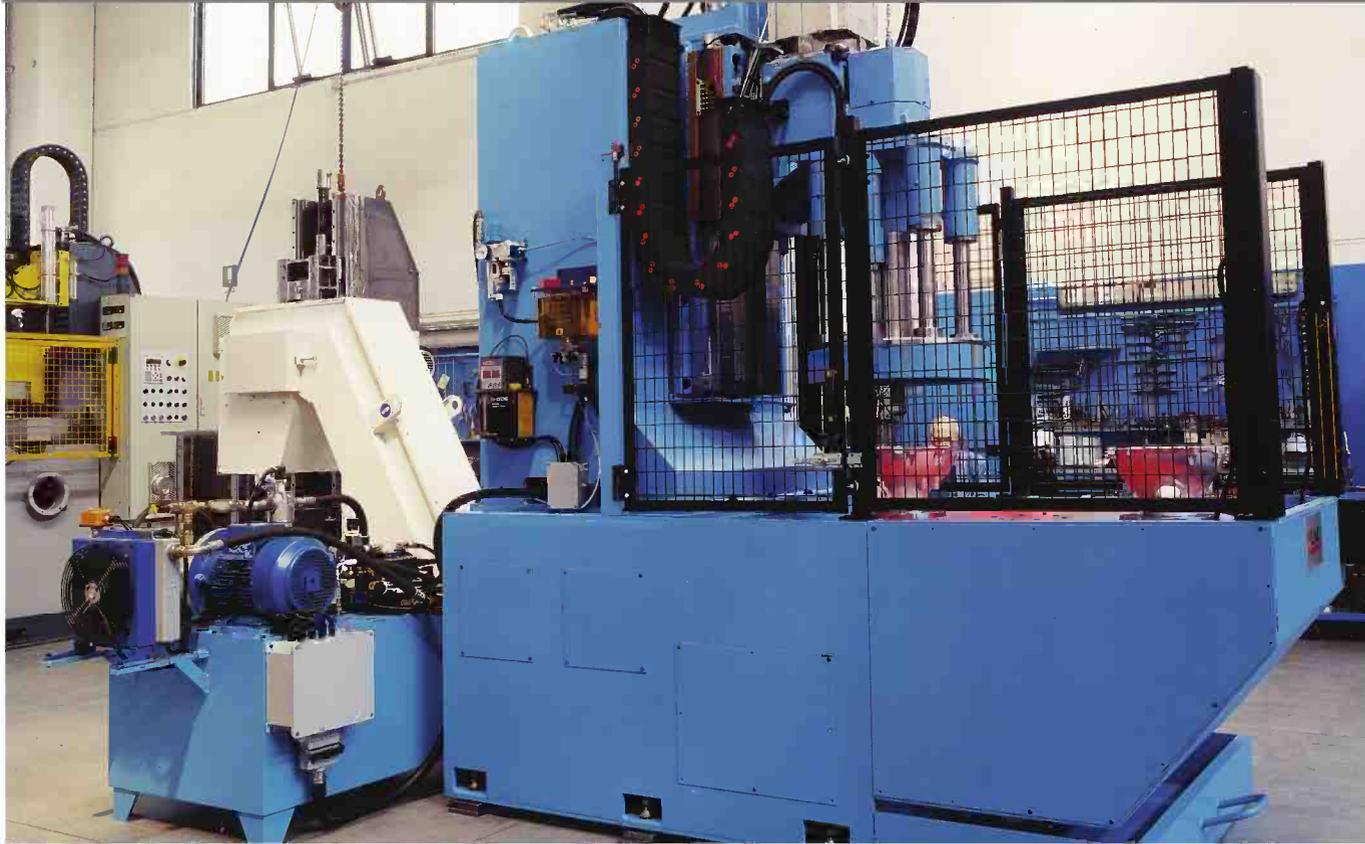
- ① spare punching head
- ② die/punch tooling
- ③ vision system



The ultimate and most effective solution
for wheels de-spruing

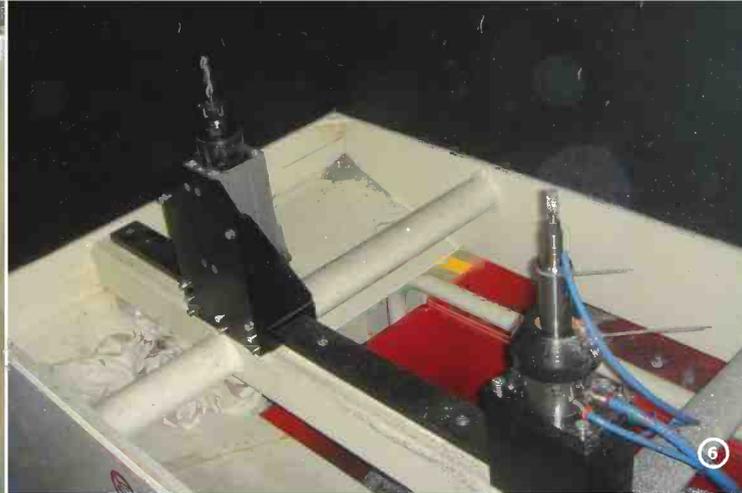


Drilling machines



- ① drilling machine with turntable
- ② typical aluminium components after processing





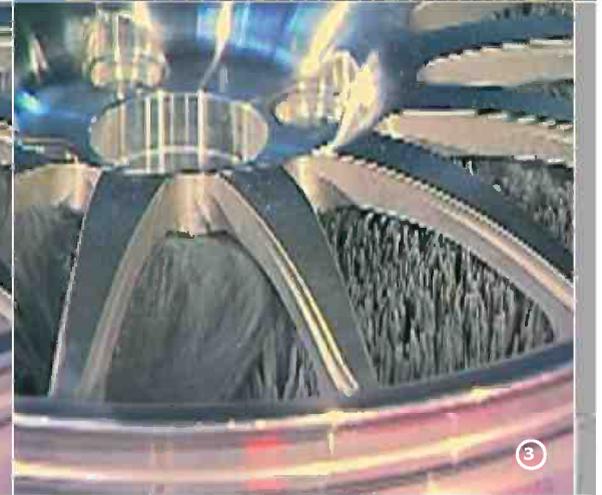
- ③ classifying conveyor
- ④ drilling machines with automatic door for robotized workpiece load/unload
- ⑤ riser out-off and fettling system
- ⑥ fettling tooling



Wheel de-burring machines



- ① de-burring (brushing) of motorbike wheels
- ② automatic wheel load/unload system
- ③ ATR de-burring system



Wheel profile de-flashing machine



①



②



③

- ① DP4 de-flashing machine with cubicle
- ② de-flashing tool for rear wheel profile
- ③ de-flashing tool for "near and front" wheel profile



LPM casting solutions



- ① Low pressure die casting machine for aluminium engine blocks
- ② Low pressure die casting machine for aluminium "fly housing"
- ③ Low pressure robotized casting cell for double casting



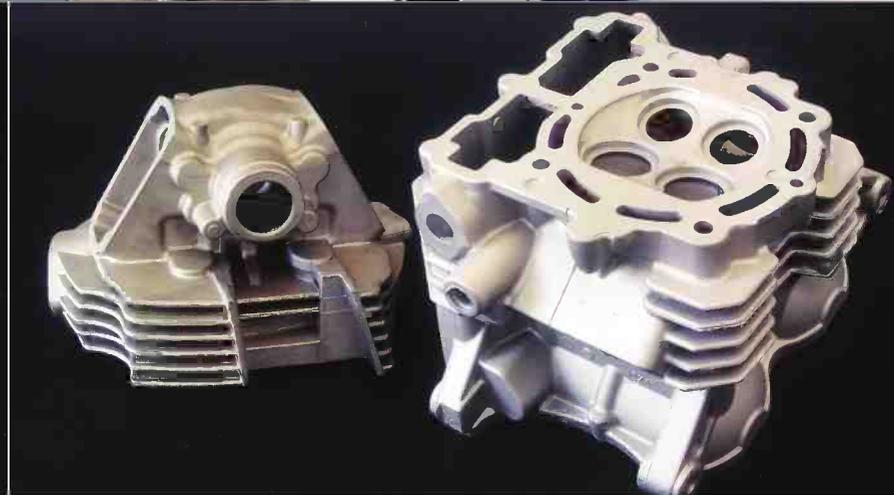
Low Pressure die casting multi stalk technology



- ① Double casting machine with multi stalk technology
- ② typical casting cell with manual sand core loading
- ③ four-cavity mold for turbocharger bodies
- ④ castings after extraction



LPM casting facility





- ① LPDC machine
- ② X-RAY booth
- ③ spectrometer
- ④ digital measuring machine
- ⑤ GDC machine





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