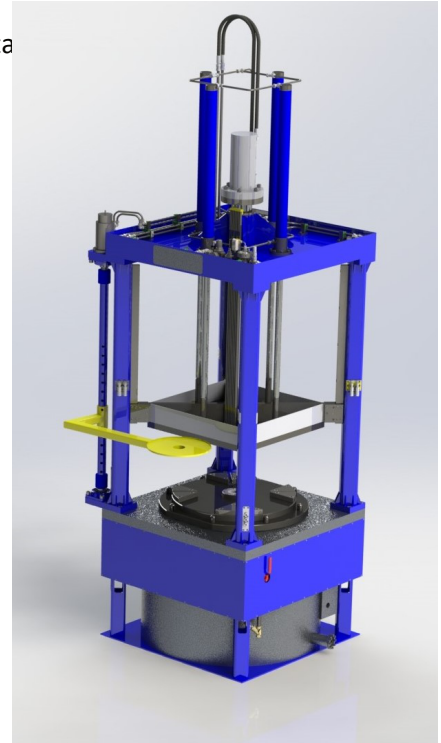


Low pressure casting machine

Machine for casting aluminum alloys in low-pressure casting with meta

- Compact design
- Accessible from all sides
- Over- and under-floor operation
- Easy to maintain
- Up to 8 side core pullers
- Clean melting guide
- Easy to be filled and to clean oven
- Little need for space
- Great flexibility
- Versatile customization options



Mechanical construction:

Oven:

Machine frame to oven with 4 sides and a central guide

Hydraulic system:

Crucible furnace construction, electric resistance heated

Consisting of hydraulic unit, control block with valves and cylinders mountable

Pneumatic system:

Consisting of

Elektronics:

Power supply, heater control, PLC and sensors

Technical specifications:

	GA-10	GA-15	GA-17
Size BxLxH [m]	1x1x4,5	1,5x1,5x5,7	1,7x1,7x6,8
Tool plate Ø [mm]	650	1150	1350
Distance between the columns [mm]	600	1100	1300
Closing forces at 100 bar:			
Main core puller close/open [kN]	110/75	200/150	310/150
Side core puller close/open[kN]	35/50	55/75	55/75
Ejector cylinder pressure/pull [kN]	130/80	200/120	200/120
Cylinder stroke:			
Main core puller [mm]	1000	1150	1500
Side core puller [mm]	200	300	300
Ejector cylinder [mm]	100	100	100
Oven:			
Oven content Max.[Kg]	150-200	500-750	740-1050
Pressure max. [bar]	1	1,6	1,4
Temperature max. [°C]	800	800	800
Power consumption [kW]	30	45	45
Pneumatics:			
Number of cooling	4	4	6
System pressure [bar]	6		
Hydraulics:			
Power consumption [kW]	30	45	50
System pressure [bar]	100	130	130
Power requirements:			
Total power [kW]	70	100	115
Operating voltage [v;Hz]	380;50		