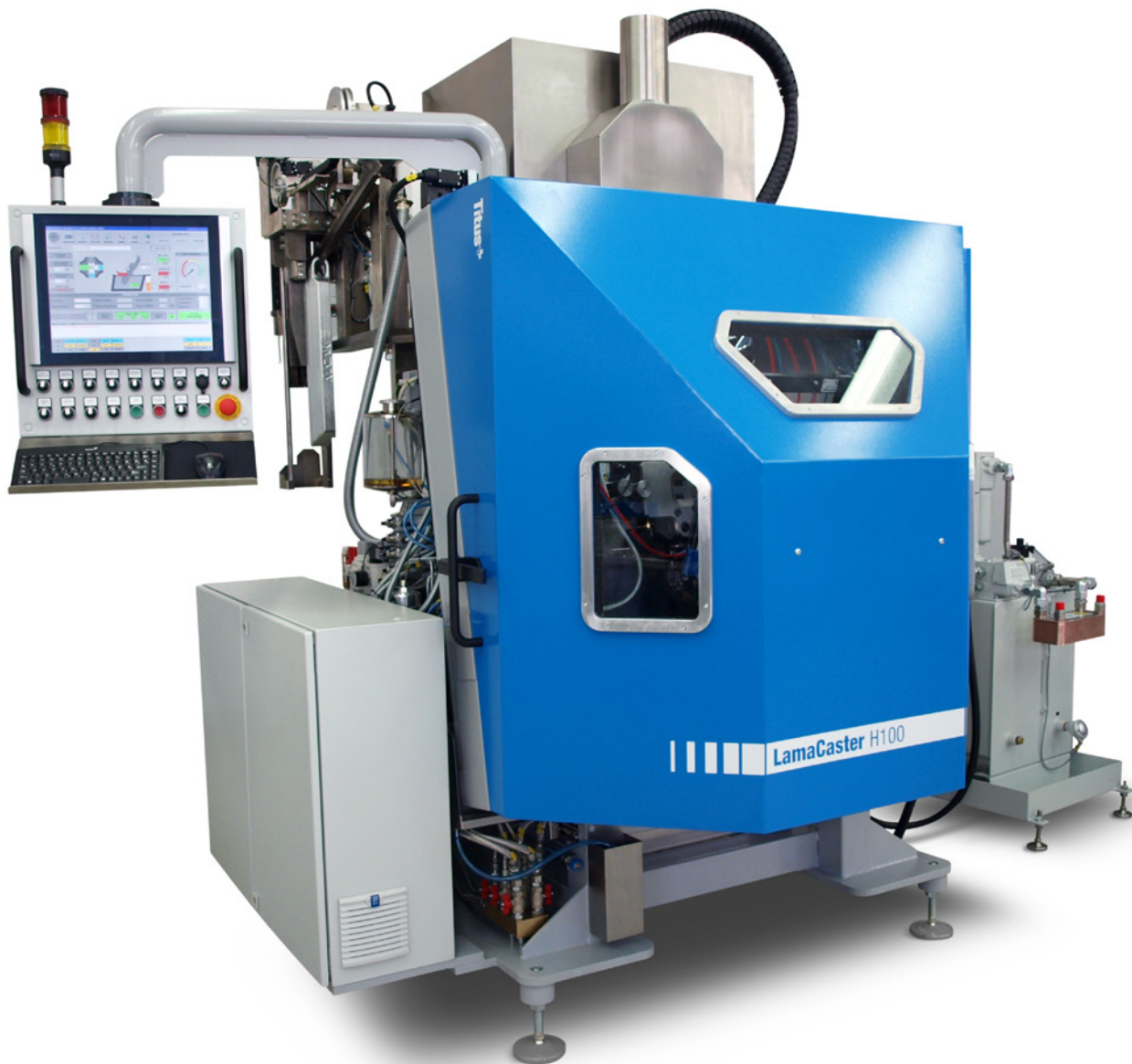


LamaCaster H100



Titus Technologies

Advanced Multi-Slide Die Casting Technology



LamaCaster H100

Hydraulic Multi-Slide Die Casting Machine

Description

The LamaCaster H100 is our most powerful LamaCaster machine with a 20-tonne clamping force and capable of producing parts up to 220g. A fast powerful injection unit

gives the machine the capability to produce parts with thin walls, complex geometries and excellent surface finish properties.

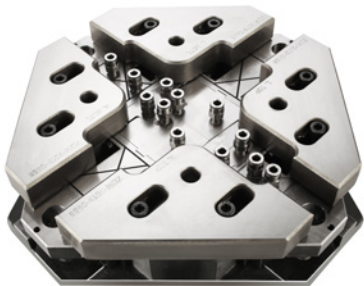
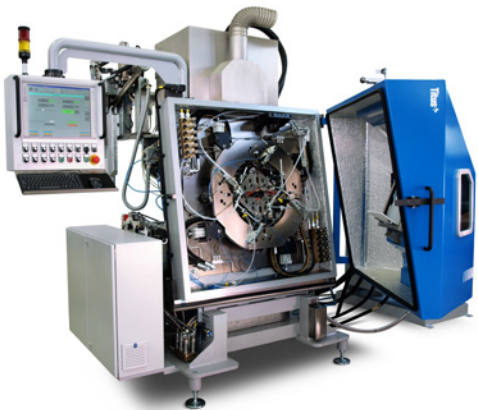
- Features
- excellent design and build quality
 - powerful, precise and fast cycling
 - quick tool changes
- high quality parts with complex geometries
 - split-line injection optimises material usage
 - touchscreen controller with process visualisation

Technical Specification

Item	
locking force	20 tonnes
tool size	100mm x 100mm
shot weight	up to 220g
dry cycle speed	45 cycles/min

The H100 runs 100mm x 100mm tooling with a shot weight of up to 220g. It is ideal for producing larger parts suited to four-slide production that need high integrity, precision and good surface finish.

The H100 machines can be equipped with spare functions to run up to six slides. The controller has been designed for ease of use and with all the required functionality to accurately control the casting process.



LamaCaster H100

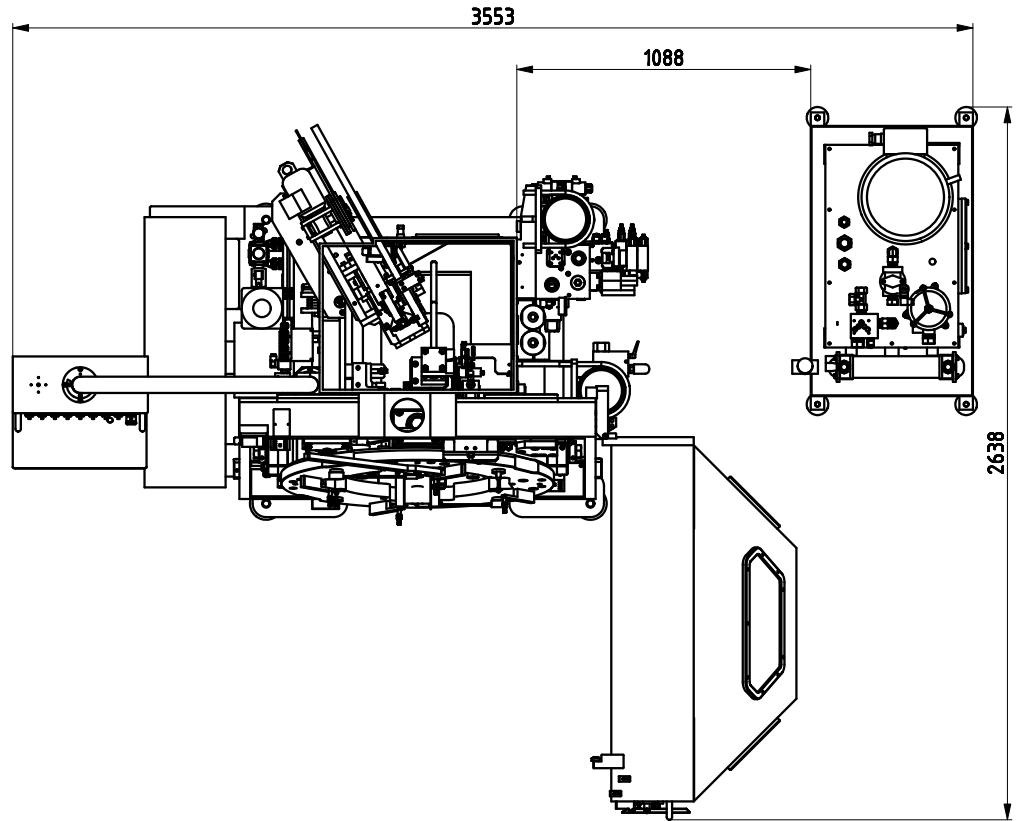
Item	Metric		US	
	Standard	Option	Standard	Option
Slider Movement/ Tool				
No. of slides	4	6	4	6
Max. stroke (theoretical)	50mm		1,98"	
Nominal die size	100mm x 100mm		3.94" x 3.94"	
Locking force	20t		22t	
No. of cavities in tool	na	na	na	na
Melt Pot				
Heater power	20kW		20kW	
Melt rate	105kg/h		231lbs/h	
Melt pot capacity	160kg		353lbs	
Cooling				
Supply of treated water	3 bar		43.5 psi	
Reccomended water temperature	13 to 18°C		55 to 65F	
Pneumatics				
Line pressure (max.)	6 bar		87 psi	
Air consumption (max.)	25m³/h		14.7cfm	
Capacity of air reservoirs	na		na	
Dry cycle speed (cycles/min.)	45		45	
Hydraulics				
Line pressure (max.)	130 bar	110 bar	1885 psi	1595 psi
Hydraulic tank capacity	150l		39.6 gallons	
Motor power	11kW		14.75hp	
Injection				
Injection piston diameter	40mm	25.4mm	1.57"	1"
Injection cylinder diameter	63mm		2.48"	
Max. injection cylinder stroke	45mm		1.77"	
Max. shot weight (theoretical)	370g	150g	13oz	5.3oz
Max. recommended shot weight	220g	90g	7.8oz	3.2oz
Max. recommended metal pressure	290 bar	350 bar	4206 psi	5076 psi
Nozzle				
Heater power	1100W		1100W	
Power Supply				
Voltage	3 x 400V 50Hz		3 x 400V 50Hz	
Nominal power	35kW		35kW	
Nominal current	50A		50A	
Pre-fuse max.	63A		63A	
Connection type	TN-S, 3+N+PE		TN-S, 3+N+PE	

na* = not applicable

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Footprint



The H100 machine is a compact machine with a small footprint. To the rear of the machine there should be a minimum clearance of one metre to allow for access to the melt pot, injection unit. Space should allow for any lifting equipment and personnel access needed to carry out machine operation and maintenance tasks on and around the machine.

Service requirements

Water 3-5 bar @ 13-18°C

Air 25m³/h @ 6-8 bar max.

Power supply 35kW

