

# LamaCaster P65



**Titus Technologies**

Advanced Multi-Slide Die Casting Technology



# LamaCaster P65

## Pneumatic Multi-Slide Die Casting Machine

### Description

The LamaCaster P65 is a fast cycling multi-slide die casting machine. It can produce small parts very quickly with dry cycle speeds of over 100 cycles per minute. The machine's good shot

to shot repeatability enables the production of very consistent high-quality small zinc die castings.

### Features

- reliable and robust multi-slide die casting machine
- fast cycling with quick tool changes
- high productivity and quality
- compact and flexible design
- high quality parts with complex forms
- split-line injection optimises raw material usage
- touchscreen controller with process visualisation

### Technical Specification

Item	
locking force	2 tonnes
tool size	65mm x 65mm
shot weight	up to 60g
dry cycle speed	100 cycles/min



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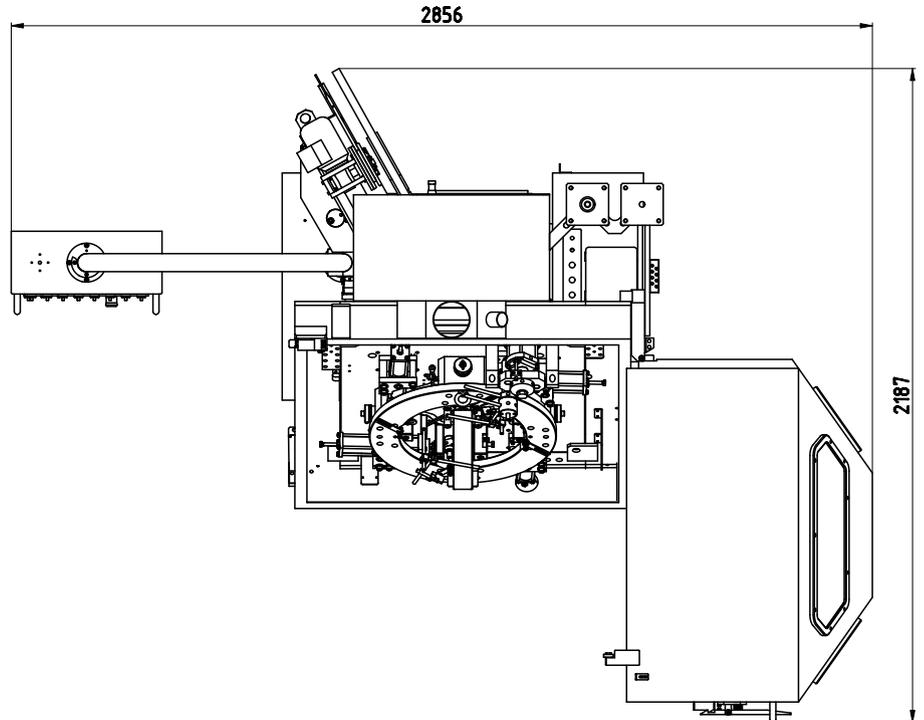
Item	Metric		US	
	Standard	Option	Standard	Option
<b>Slider Movement/ Tool</b>				
No. of slides	4	6	4	6
Max. stroke (theoretical)	50mm		1,98"	
Nominal die size	65mm x 65mm		2.56" x 2.56"	
Locking force	2t	3.2t	2.2t	3.5t
No. of cavities in tool	na	na	na	na
<b>Melt Pot</b>				
Heater power	15kW		15kW	
Melt rate	80kg/h		176lbs/h	
Melt pot capacity	160kg		353lbs	
<b>Cooling</b>				
Supply of treated water	3 bar		43.5 psi	
Reccomended water temperature	13 to 18°C		55 to 65F	
<b>Pneumatics</b>				
Line pressure (max.)	8 bar	8 bar	113 psi	
Air consumption (max.)	100m³/h	100m³/h	58.9cfm	
Capacity of air reservoirs	18l	18l	4.75 gallons	
Dry cycle speed (cycles/min.)	100	100	100	100
<b>Hydraulics</b>				
Line pressure (max.)	na		na	
Hydraulic tank capacity	na		na	
Motor power	na		na	
<b>Injection</b>				
Injection piston diameter	25.4mm		1"	
Injection cylinder diameter	1 x 100mm	2 x 100mm (Tandem)	2"	2 x 1.98" (Tandem)
Max. injection cylinder stroke	30mm		1.2"	
Max. shot weight (theoretical)	100g		3.5oz	
Max. recommended shot weight	60g		2.1oz	
Max. recommended metal pressure	115 bar	230 bar	1668 psi	3336 psi
<b>Nozzle</b>				
Heater power	500W	500W	500W	500W
<b>Power Supply</b>				
Voltage	3 x 400V 50Hz		3 x 400V 50Hz	
Nominal power	18kW		18kW	
Nominal current	26A		26A	
Pre-fuse max.	40A		40A	
Connection type	TN-S, 3+N+PE		TN-S, 3+N+PE	

na\* = not applicable

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## Pneumatic Multi-Slide Die Casting Machine

### Footprint



The P65 machine is a compact machine with a small footprint. Attention should be given to any other equipment, wall or other objects that are situated close to where the machine is to be positioned. 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 etc. and space should be allowed for any lifting equipment and personnel that are required to carry out normal machine operation and maintenance tasks on the machine.

#### Service requirements

Water 3-5 bar @ 13-18°C

Air 100m<sup>3</sup>/h @ 6-8 bar max.

Power supply 18kW

