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Constant temperature control system:

It shows the temperature difference on the computer directly, and supplements the current through the controller based on the temperature loss, so as to reduce uncertainty in operations and power loss.

Sheet metal:-

Top-level sheet metal process: With attention to every detail, it is a perfect interpretation of precision and accuracy, which is safe, convenient and firm. You will be impressed by the TAZIMAC hot chamber die casting machine at first sight.

Electric heating system:

The uniform-temperature electric heating element in this special structure integrates the heating device and the injection parts perfectly. By uniformly heating the flow channel and the injection head, it can achieve high-quality finished products and extend the service life of injection parts.

Heating element Gooseneck:

Electric heating system

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Gooseneck

Electric heat furnace

With our special structure design and immersion design, the injection stroke is shortened which thus reduces the probability of unstable Zinc solution in the gooseneck. Moreover, it makes use of a piston ring imported from Europe to increase the die casting quality and the service life of the gooseneck.

Electric heat furnace

It presents perfect electric heating and packaging technologies. The heating technology with high efficiency and low power consumption, as well as a unique heat energy recycling design, can achieve the purposes of improving the interior quality of the plant, extending the service life of the electronic system, enhancing safety and eco-friendliness of the system and products better as compared with the melting furnace with high waste emission.



Heating element:

It is a high-performance and energy-saving machine, which can be repaired for repeated use, so as to reduce the consumables cost greatly.



Based on precision processing and years of experience in structure design, the full-series spring hinge ensures high accuracy and low accumulative tolerance. Moreover, it adopts an auto-lubricating machine integrated with the warning system to save manpower for maintenance and lessen risk factors for uncertainty, thus extending the service life of the mechanism.



Warning of Starving:

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Sheet metal

It features a Warning of Starving setting which reduces the manpower expense to monitor the furnace and impr the management efficiency. Moreover, it can achieve uniform furnace temperature and improve unstable factors s as injection force, so as to further improve the quality of finished products.

PLC and control interface:

- The colorful touchscreen LCD of Mitsubishi PLC realizes more stable control through the precision control system. It has a more enhanced digital display, is more user-friendly and features a logic operation interface. The setting from mold closing to injection is simple and fast, and is easy-to-learn. It especially selected the Schneider button switch series to extend the service life of the operating buttons.
- Our exclusive hydraulic and electric operation monitoring system integrates the status indicators and fault warning function, to reduce the maintenance cost and increase the mechanical efficiency easily. This can help to increase capacity and improve product competitiveness.

Hydraulic press system

- It shows the numeric injection pressure in simple curves. It allows the user to know the yield rate of finished products and reduce operation error, which also converts the yield rate into values.
- Proportional mold closing and injection control valve combines with the sequence valve, injection system and circuit to achieve protection in three layers. It guarantees high stability and operation safety of the manifold.
- The injection system adopts an exclusive 3-stage selection design (slow, fast and boost), so as to set the thickness and quality of finished products more freely.
- The mold closing adopts low-pressure protection device to guarantee the safety of personnel and the molds.
- 4-Stage Spray-Wash Selection: Spray-wash for front mold, spray-wash for rear mold, spray-wash for all, and selective spray-wash.
- Mold closing and injection pressure can be adjusted independently.







Specification Table

Model	unit	TA-40HC	TA-80HC	TA-110HC	TA-165HC
Clamping force(at 90kg/cm ²)	TON	42	95	120	183
Tie bar diameter	mm	55	65	75	80
Space between tie bars WxH	mm	250 x 300	335 x 335	397 x 397	420 x 450
Moving platen stroke	mm	180	265	295	360
Die height(Min~Max)	mm	75~200	125~380	200~470	150~550
Max. injection force(at 70kg/cm ²)	TON			6.7	7.9
Max. injection stroke	mm	110	125	145	190
Injection position	mm	0	0/-50	-75	-100
Standard plunger tip diameter	mm	38,45	45,50,55	55,60	60,65
Max. casting weight (efficiency 75%)	kg	0.94	1.38	2.6	2.9
Casting pressure	kg/cm²	220	230	237	250
Max. casting area	cm²	196	340	494	665
Ejector force	TON	2.5	3.8	6	7.5
Ejector stroke	mm	50	65/70	70	85
Hydraulic working pressure	kg/cm²	90	100	100	110

Model	unit	TA-40HC	TA-80HC	TA-110HC	TA-165HC	
Melting pot capacity(Zn)	kg	210	270	350	500	
Furnace capacity(Zn)	kg	210	270	350	500	
Furnace power	kw	21	27	30	50	
Accumulator(bladder type)	L/PCS	20 x 1 10 x 1	20 x 2	32 x 1 20 x 1	32 x 3	
Hydraulic pump capacity	L/MIN	49	59	59	145	
Oil tank capacity		150	300	300	400	
Required air pressurs	kg/cm²	6~7	6~7	6~7	6~7	
3 phrase injection motor	KW	7.5	11	15	18.5	
Machining weight (Net)	TON	3.0	4.8	6.8 8.5		
Packing size (LxWxH)	MM	3500 x1550x2100	3600x1650x2100	4000x1700x2200	5050x1900x2500	

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		А	В	с	D	E
	40T中模板	448	404	250	300	55
	80T中模	512	520	335	335	65
	110T中模板	612	615	397	397	75
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