

# 厦门鼎铸智能设备有限公司

1

XIAMEN DINGZHU INTELLIGENT EQUIPMENT CO., LTD

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## QUOTATION OF CORE SHOOTING MACHINE



### I. Machine Application and Scope of Application

HZ 360-HS core shooting machine is a kind of automatic core shooting machine with the functions of vertical parting, full automatic, down-turning die, conveyor belt to convey sand core and automatic mixed sand lifting. It is suitable for small and medium-sized work pieces in valve, faucet, hardware, hydraulic and pneumatic industries. It also applied to the hot core sand and coated sand of furan resin series hot box sand and urea-formaldehyde resin series. It is especially suitable for copper and



### 中国领先的智能设备制造商

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aluminum casting industry, which can meet the core-making requirements of the core-shooting process with three-component resin, complex core shape and low structural strength.

II. Machine construction features:

2.1. human-machine interface and imported high quality electronic control and pneumatic components to ensure accurate and reliable control and easy operation.

2.2. there are three modes: manual, single action and automatic.

2.3. the shooting port is 70 degrees to the sand, away from the high temperature area, so that the perforation is easy to manually clean.

2.4. The machine is equipped with integral moving mechanism of the base, which can make the base move along the X and Y axes, so that the perforation of the opposite mold into the sand hole more convenient and accurate.

2.5. The movable die is equipped with the core pulling rack to meet the special requirements of the mold. If you do not use core pulling, close the core pulling switch.

2.6. The angle of the quicksand in the sand storage bucket reaches 70 degrees and is equipped with a vibrating motor. It is suitable for the use of collapsible core sand with poor fluidity in the copper casting and aluminum industry.

2.7. With mold adjustment space, it is convenient to assemble different molds and reduce the requirements for the die size.



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3

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## III. Technical Parameters

Technical Parameters		
Code	Item	Specification
1	Max. Weight of Sand Core	8kg
2	Max. Size of Core Box ( L x W x H)	450*330*220 mm
3	Heating Plate ( L x W)	400*300*60 mm
4	Heating Power	12.8 kw
5	Downward Stroke of Ejection Head	≤30mm
6	Stroke of Mold Opening	≤300mm
7	Max. Stroke of Core Remove	150mm
8	Conveyor ( L x W x H)	( 2200*450*100 ) mm
9	Total Power	13.8kw
10	Rising Angle of Conveyor	2°~4°
11	Speed of Transportation	72mm/s
12	Machine Size ( L x W x H)	3500*1480*3400 mm
13	Speed of Lift (Single Time)	35s
14	Weight of Lift ( Single Time)	5~10kg
15	Total Weight	2400kg

## IV. Main configuration

#	Specifications	Manufacturer
Air Cylinder	SAI160*300	AirTAC
Air Cylinder	SAU63*150	AirTAC
Air Cylinder	SAUJ63*200-100	AirTAC
Reducer	NMRV075-80	DONGSHENG
Reducer	NMRV075-80	DONGSHENG
Three-phase asynchronous motor	0.55KW-4P-B5	DONGSHENG
Pressure spring thermocouple	M12*1.5 WRNT01	
Heating tube	16*395 380V*800W	



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4

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pneumatic control valve	K23JK-20W	SEIKO
Deep groove ball bearing	6004ZZ	HRB
HMI	SMART 700 IE V3 6AV6-648-0CC11-3AX0	Siemes
PLC	ST-60 288-1ST60-0AA1	Siemes
thermorelay	LRN07N	Schneider
proximity switch	E2B-M12KN05-WZ-C1	Omron
Temperature-controlled meter	CH102	LUEABB

## QUOTATION

QUOTATION NO.: HZ-360-s2023		QUOTATION DATE 24th.June.2023	
CODE	DESCRIPTION OF GOODS AND QTY.	UNIT PRICE (US)	TOTAL PRICE (US)
1	Automatic core shooting machine(with conveyor)-1set	RMB 100,000.00	RMB 100,000.00
	Installation and Commissioning Fees at End User Site	within 5 days, free; over 5 days, 200usd/day/person	



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