

**IKS****沈阳爱科斯科技有限公司**
IKS PVD TECHNOLOGY(SHENYANG)CO.,LTD

Vacuum consumable electrode arc Condensed shell casting furnace



The device adopts vacuum consumable electrode arc melting technology and centrifugal casting precision casting process, vacuum consumable electrode arc shell casting furnace is suitable for titanium and titanium alloy and active refractory metal melting and centrifugal casting

1. Application:

It is suitable for melting and centrifugal casting of titanium, titanium alloy and active refractory metal.

2. Features:

- 1 "Centrifugal disc adopts frequency conversion speed control system to accurately control the speed
- 2) Electrode drive adopts frequency conversion speed differential drive and advanced adaptive control technology
Electrode drive with photoelectric sensing and digital weighing device to accurately control melting
- 4 "Computer control image monitoring system, safe and reliable

3. Technical indicators:

- 1 "Limit pressure: 6.6×10^{-2} Pa
- 2 "Pressure rise rate: 1.2 Pa/h
- 3 "Working voltage: 20~45V
- 4 "smelting capacity: 50~500Kg
- 5 "Casting mold maximum size: $\phi 2000 \times 1200$ mm (centrifugal casting)
- 6 "Maximum weight of casting: 500Kg
- 7 "melting speed: 15 ~ 20Kg/ min
- 8 "Centrifugal disc speed: 0 ~ 600 RPM adjustable, positive and negative rotation
- 9 "Automatic casting speed: 5 ~ 10 seconds adjustable
- 10 "melting current: 36kA



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11) Cooling water consumption: 60T/ hour

12 "Fast lifting speed: 0.6m /S

13 "Crucible turning Angle: 0 ~ 110 degrees

4. Specification and model:

1 "Conventional model: VAL50KG/ /VAL-150KG/ /VAL-180KG/ /VAL-500KG

2) Other specifications: can be customized according to customer requirements

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