

# Epoxy Resin Vacuum Casting Equipment For Dry Type Oil Transformers CT

PT

**Our Product Introduction** 

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**Our Product Introduction** 

China
JC
SGS CE,UL
JC450
1 pcs
consult
Export standard packaging
5 days
L/C, D/P, T/T, Western Union, MoneyGram

Supply Ability:



## **Product Specification**

After-sales Service:	One Stop Servise

100pcs/month

2 Years

Combined

Transmission

Customizable

Customizable

Epoxy Resin

Customizable

Customized

High

High

Smooth

Vacuum Casting

Pressure Atomization

- After-sales Service: • Warranty:
- Movement Way:
- Atomization:
- Heating Mode:
- Color:
- Hardness:
- Material:
- Process:
- Shape:
- Size:
- Strength:
- Surface Finish:
- ±0.1mm Tolerance:
- Chemical Resistance:



## More Images



#### Product Description

Epoxy Resin Vacuum Casting Equipment for Dry-Type and oil Transformers, CT PT

#### Porduct Details:

SIZE:Ф2400mmX3000mm POWER:85000W VOLTAGE:380-400V

Application : Dry - type transformers

Usage: Dry type converter pouring, reactor pouring

Capacity: (including 3150) the following dry-type transformers

Material : steel

Installation: Engineers overseas installation

System :PLC+ VACUMM SYSTEM



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APG and Casting process:

. In the context of dry-type transformer manufacturing, the vacuum epoxy resin casting process is commonly used for

electric insulation. While there are different methods for casting resin, including vacuum casting and atmospheric pressure gelation (APG), the vacuum epoxy resin casting process is generally considered more advanced and widely used.

The vacuum epoxy resin casting process, as described earlier, involves encapsulating the transformer windings and core in epoxy resin under vacuum conditions. This method ensures effective impregnation of the resin and removal of air and moisture, resulting in high-quality insulation. On the other hand, the pouring process you mentioned is a more traditional and less commonly used method for

On the other hand, the pouring process you mentioned is a more traditional and less commonly used method for transformer insulation. In this process, the epoxy resin is simply poured over the windings and core without the use of vacuum or controlled impregnation. While this process may still be utilized in certain applications; it is generally considered less rigorous and may result in lower-quality insulation compared to vacuum epoxy resin casting. It's important to note that advancements in technology and manufacturing processes have led to the widespread adoption of vacuum epoxy resin casting due to its superior insulation properties, mechanical strength, and overall performance.

On the other hand, the APG (Atmospheric Pressure Gelation) process is another method used for casting resin. In the APG process, the resin is mixed with a catalyst and injected into a mold under pressure, where it undergoes a chemical reaction to solidify and form the insulation. Both the vacuum epoxy resin casting and APG processes are used for transformer insulation, but they differ in terms of

Both the vacuum epoxy resin casting and APG processes are used for transformer insulation, but they differ in terms o the application method and the equipment used. Regarding the statement that the casting process is the most rigorous and primitive process, it's important to note that

the casting processes, including both vacuum epoxy resin casting and APG, have their own advantages and considerations. The choice of process depends on factors such as the specific requirements of the transformer, production volume, equipment availability, and industry standards.

biological and the observed of process of process of process is generally considered more requirements of the transformer, While the vacuum epoxy resin casting process is generally considered more widely used and advanced, the APG process is also popular in certain regions or industries. The APG process can offer advantages such as shorter curing times and the ability to produce large units. However, it may require specialized equipment and molds. Ultimately, the selection of the casting process depends on various factors, and both vacuum epoxy resin casting and APG have their own merits and applications. It's important to evaluate the specific requirements and constraints of a project to determine the most suitable casting process.





#### Wuxi Jiachen Power Electronics Equipment Co., Ltd.

Section 2012 tangliang@jc-cores.com Section 2012 jc-transformer.com No. 68, Zhounan Road, Wanshi Town, Yixing City, Jiangsu Province, China