



Characteristics

- ▶ Exhaust speed and ultimate pressure are adjustable
- ▶ NK1600 reproduces the condition of vacuum die casting machine
- ▶ Low cost installation

Size 550W x 350D x 442H mm
Weight 45kg
Power Supply 100V10A

Gas Content Test Under Low Pressure Solidification

When you put molten sample inside NK1600 and depressurize it, the contained hydrogen gas is expanded, solidified and appeared as pinhole. And by measuring gravity, you can quantify the quality of the sample.

Molten Sample after Gas Content Test



Bad

H2 gas Large / Gravity Small



Sample Quality



Good

H2 gas Small / Gravity Large

Condition of Gas Content Test

The gravity after gas content test, is depending on the test condition such as gas exhaust speed and ultimate pressure.

The test condition of NK1600 is adjustable, so that the actual condition of vacuum die casting machine can be reproduce.

You can conduct gas content test under the condition which is highly correlated to the defective rate.

