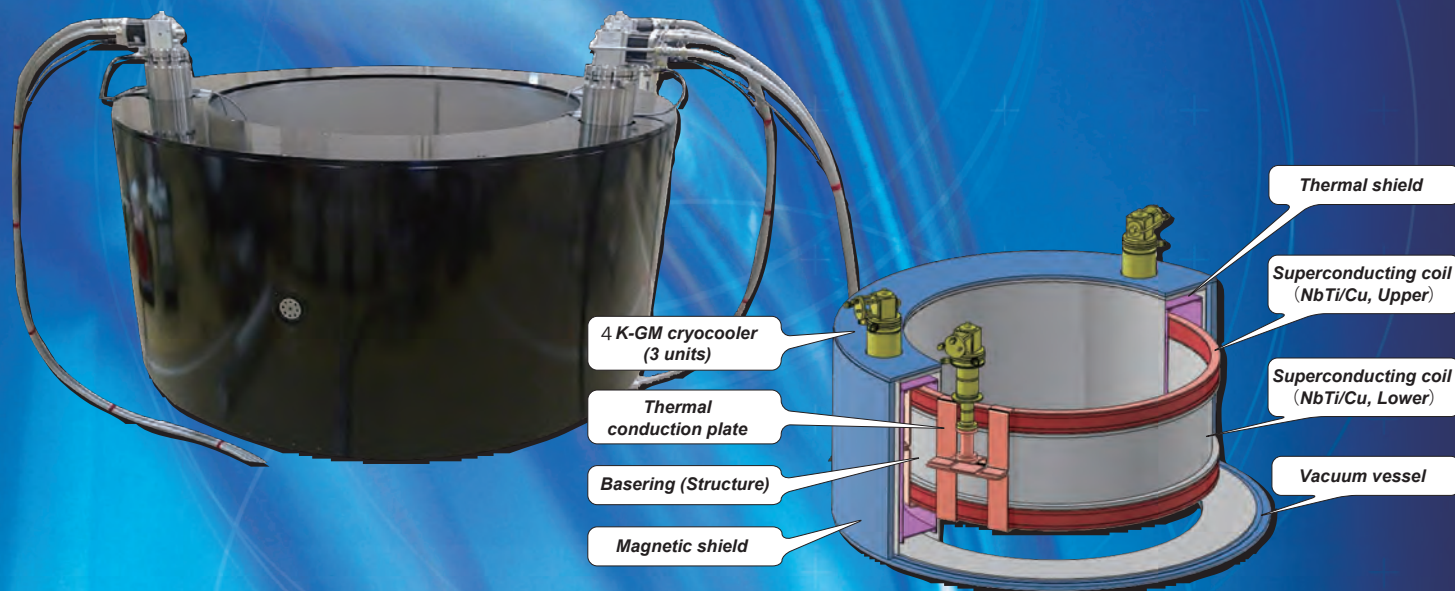


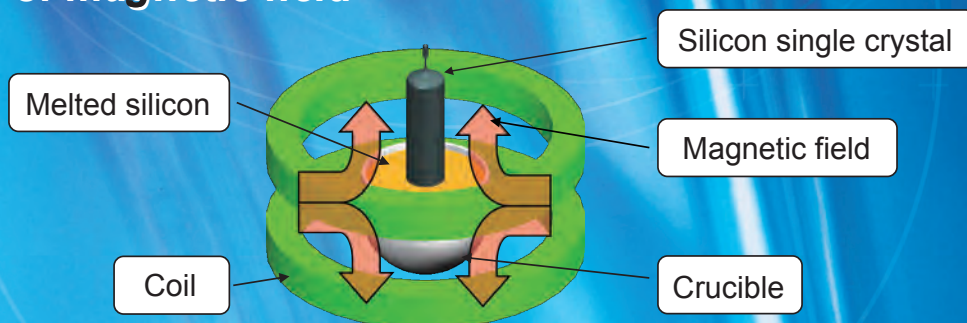


# Sumitomo's Superconducting Magnet for MCZ

## Cusp field type



## \* Direction of magnetic field



## \* Specification for Cusp field type

**Inner diameter** :  $\phi 1,600\text{mm}$   
**Outer diameter** :  $\phi 2,400\text{mm}$   
**Height** :  $1,050\text{mm}$   
**Weight** :  $6\text{ ton}$   
**Magnetic field** :  $0 \sim 0.12\text{ Tesla}$   
( $1,200\text{ Gauss}$ ) at  $r=400\text{mm}$

**Operation current** :  $0 \sim 140\text{ A}$   
**Cooling method** : **Cryocooler conduction cooling (without L.He)**  
**No. of cryocooler** :  $3$

## \* Features of Sumitomo Heavy Industries superconducting magnets

- 1) *Easy operation & Maintenance (No liquid Helium use)*
- 2) *Cryocooler maintenance is possible in cooling condition*
- 3) *High quality & Reliability*