

# Improvement and R&D of MIC

- Okazaki manufacturing company
- Insulator: MgO
- Water cooled
- 2.5kA DC continua
- $\Phi 2.6\text{cm}$
- **Sheath: SS316L 1mm**

Copper sheath



SS sheath



R&D of MIC with SS sheath has been launched by Okazaki and JAEA.

- Vending test (already started); R/T=2, 3  
 Withstand voltage test; 2kV 1min no problem  
 X-ray inspection; Thickness of insulator keeps uniform.
- Connecting MICs together (also connecting MICs inside VV)
- Heating test (300°C)
- Leak test
- We will finish this R&D until March 2010

