

Mitsubishi Electric Corporation, Ako Works for Large Transformers

Date: November 21st, 13:00-17:30 (From Sungarden Himeji by bus)

Excursion at Ako Works: 14:20-16:00

Guidance	14:20-14:40
Ultra High Voltage Laboratory	14:40-15:00
Automatic Gas Analyzer	15:00-15:30
Assembly Line	15:30-16:00

1. Main Facilities in UHVL

Building	47m x 59m x 43m, Electromagnetic shielding
Impulse Generator	6MV, 450kWsec
Testing Transformer	2MV, 10MVA
Chopping Gap	3MV
DC Generator	2MV, 100mA
Induced Voltage Test Equipment	520kV, 60MVA, 240Hz

2. Automatic Gas Analyzer

6 gas components (C₂H₂, CO, H₂, CH₄, C₂H₄, C₂H₆) and TCG in transformer oil can be detected and analyzed automatically.

Portable gas analyzer	PGA-200
Online gas analyzer	C-TCG-5C

3. Assembly Line

Ako Works is producing record-setting transformers by taking advantage of the features inherent in **shell form construction**, which is suitable for high-voltage and large capacity transformers.

- Note: 1) Engineers of electric machine manufacturers are not permitted to join the visit.
2) Lunch box will be served in the bus