

DELIVERY RECORD

Client: High Energy Accelerator Research Organization (KEK)

Facility: cERL (Compact Energy Recovery Linac)

Location: Ibaraki, Japan

1 October 2018

Machinery Systems Sales Department

MHIMS0115001

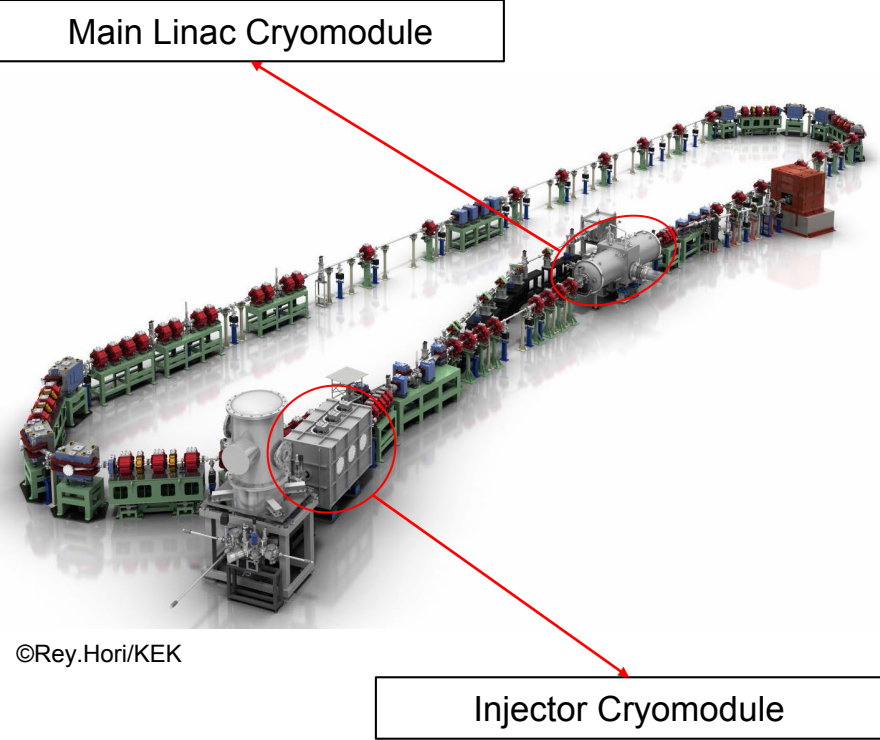
- 1. OVERVIEW**
- 2. INJECTOR CRYOMODULE**
- 3. MAIN LINAC CRYOMODULE**

1. OVERVIEW

List of Main Supplies

Main Linac Cryomodule

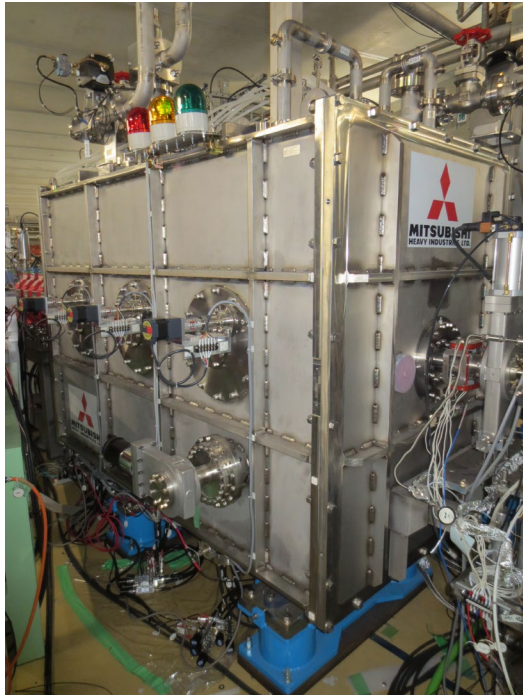
Injector Cryomodule



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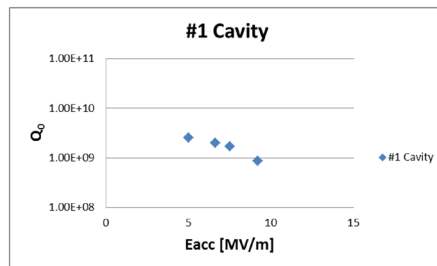
2. INJECTOR CRYOMODULE



Main Parameters	
Accelerating Field	15 MV/m (design value) 30 MV/m (MHI achieved)
Q-Value	2.0×10^{10}
Frequency	1,300 MHz
Number of Cavity per Module	3 x 2-cell per Module
Material	Pure Niobium
Number of Delivery	1 Module

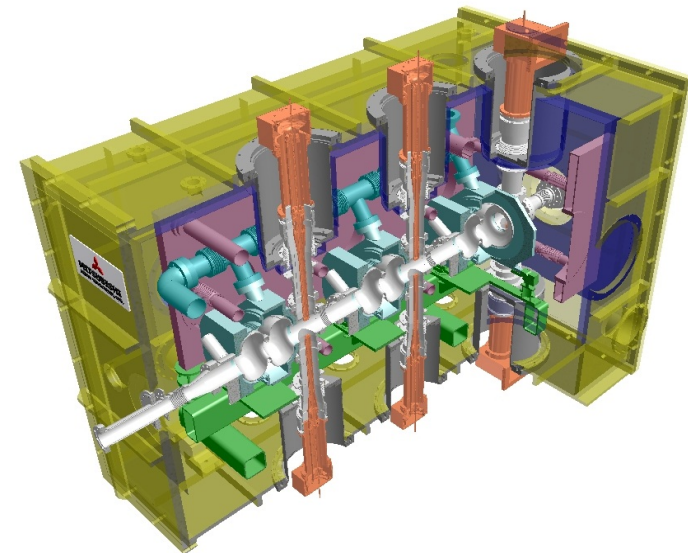


Photo courtesy of KEK



High Power RF Test Result

Courtesy of KEK



3. MAIN LINAC CRYOMODULE

Main Parameters	
Accelerating Field	20 MV/m (design value) 27 MV/m (MHI achieved)
Q-value	2.0×10^{10}
Frequency	1,300 MHz
Number of Cavity per Module	2 x 9-cell Cavity per Module
Material	Pure Niobium
Number of Delivery	1 Module

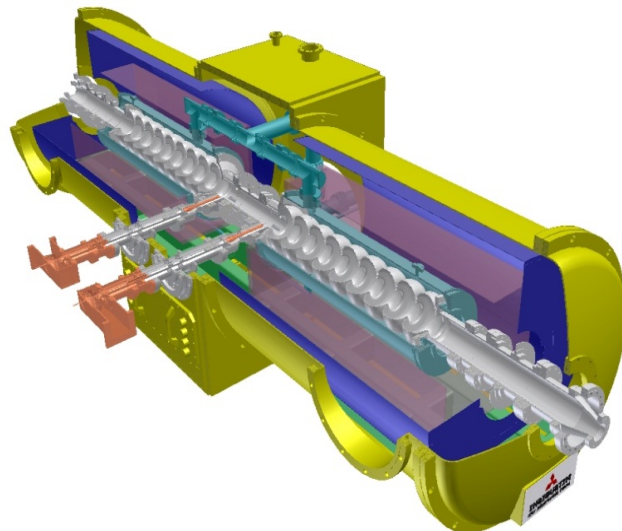
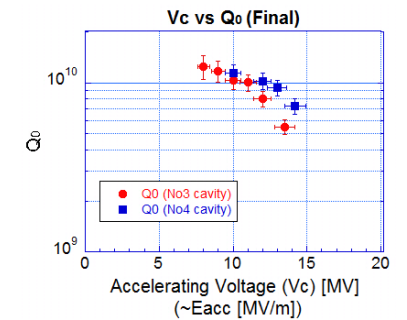


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High Power RF Test Result

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