

DELIVERY RECORD

Client: RIKEN / JASRI

Facility: SPring-8 (Super Photon Ring 8-GeV)

Location: Hyogo, Japan

1 October 2018

 **MITSUBISHI HEAVY INDUSTRIES MECHATRONICS SYSTEMS, LTD.**

Machinery Systems Sales Department

MHIMS0115006

- 1. OVERVIEW**
- 2. S-BAND ACCELERATING STRUCTURE**

1. OVERVIEW

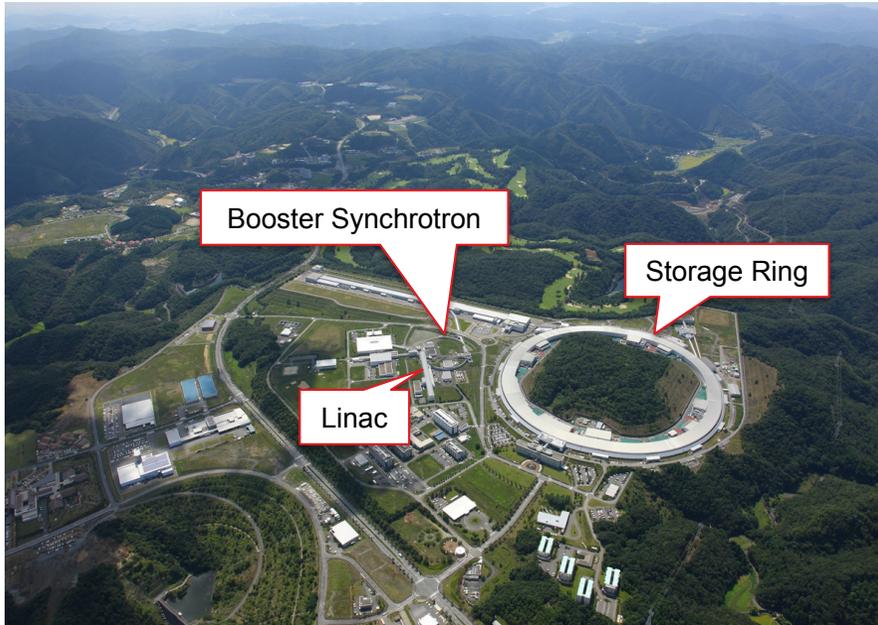


Photo courtesy of RIKEN

List of Main Supplies

S-band Accelerating Structure for Linac



2. S-BAND ACCELERATING STRUCTURE

Main Parameters

Frequency	2856 MHz
Accelerating Type	C.G.
Phase Shift per Cavity	$2\pi/3$
Unloaded Q	13000
Attenuation Constant	0.57
Phase error	2.5 degree
Number of Cells	82 + 2 Coupler Cells
Filling Time	0.83 μ s
Length	3 m



MOVE THE WORLD FORWARD

**MITSUBISHI
HEAVY
INDUSTRIES
GROUP**