Delivery Records of Septum Magnets



A lot of TOYAMA's products working successfully



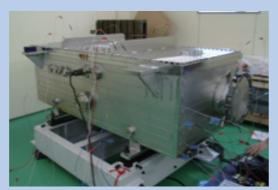
Injection Septum Magnet

Based on the silicon steel laminating technology cultivated in KEK B-factory project





Dimensions: 900mm W x 2000mm L x 600mm H Tin sheets are used for sealing the rectangular flanges.



▲ Preparation of baking

Magnetic Field Measurement in KEK



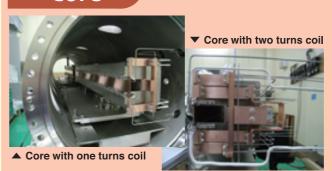
▲ Magnetic Field Measurement with beampipe

Extraction Septum Magnet

Products of low and middle magnetic field septum magnets with solid core technology

Low Magnetic Field

Core



- "Centipede" shaped coil with copper plate of 1.5mm thickness
- Manufacturing a core with one turn coil and a core with two turn coil
- Oimensions of each core: 200mm W x 1500mm L x 218mm H

Middle Magnetic Field





- Four cores with 4 turns coil
- Water cooled
- Dimensions of each core : 280mm W x 840mm L x 234mm H

Chambei

Each core is mounted in each

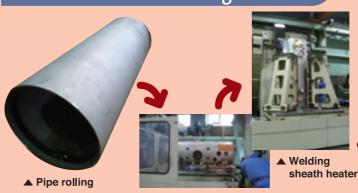


- Helicoflexes are used for sealing the large diameter flanges

Chamber A pair of core is mounted in each chamber

- Helicoflexes are used for sealing the large diameter flanges
- Dimensions : 660mm φ x 4000mm L





Machining

