

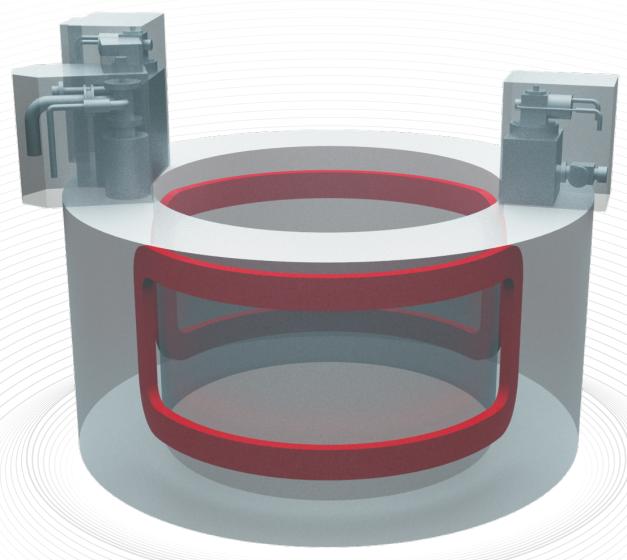
# Superconducting Magnet for MCZ

Magnetic field improves crystal silicon quality

# Superconducting Magnet

Generation of magnetic field enables semiconductor wafer pulling process to produce high-quality single crystal silicon.

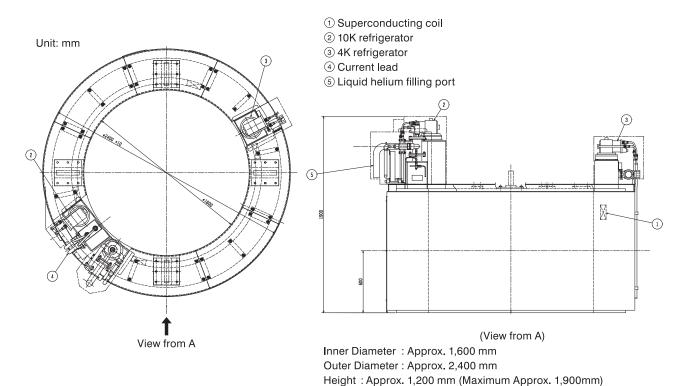
Application of saddle-type coils efficiently creates a wide-ranging horizontal magnetic field, resulting in magnets with superior features, such as compact, size, lightweight body and small stray field.





## Superconducting Magnet for MCZ

## **Appearance and Dimensions**



#### **Features**

Saddle-shaped coil generates a wide horizontal magnetic field in a cylindrical shape

Minimizes leakage magnetic field

Wet cooling with liquid helium provides stable cooling

Main Specifications	
Magnetic field direction	Horizontal
Magnetic field strength (standard)	0.4 Tesla (4,000 Gauss) at center of bore
Magnetic stray field	<0.01Tesla(100 Gauss) at Approx. 3.0m from center
Cooling type	Wet cooling with liquid helium

Weight: Approx. 13,000 kg



Please be sure to read the instruction manual prior to use, to ensure proper use of the products listed in this catalog.

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