

GFA - PSD Accelerator Seminar

High performance engineering technology for accelerator device

Monday, 21 October 2019, 16.00 h, WBGB/019

Dr. Masa Onoi, Metal Technology Co. Ltd., Japan

Metal Technology Co. Ltd. is one of the hot Isostatic pressing (HIP) service provider in the world. Originally, we started with several persons from RIKEN for research of heat treatment. Today we have the largest vacuum furnace in Japan and provide an advanced heat treatment service.

Nowadays our core technology is bonding technology and sintering by Hot Isostatic Pressing (HIP), brazing/welding and additive manufacturing. We continually work towards technological innovation with 18 HIP units in operation, including the world's largest HIP Unit Giga HIP. Further, at MTC we have the ability to cover all stages of the additive manufacturing process: From design, build process, heat treatment, machining, to final quality assurance. Techniques like the Direct Metal Laser Sintering (DMLS) and Electron Beam Melting (EBM) are used.

These technologies have been applied to various regions for aerospace, semi-conductor, gas turbine, medical, thermal fusion and accelerator. Some of our big customers are J-PARC, SPring-8, SACLA, JAEA and KEK. In the talk, I will show pictures of some equipment or parts ordered from our customers and I will explain their manufacturing.

Further, I will show our business style, how we work together with researchers and developers to manufacture the ideal products for them.

For more details,
contact Daniela Kiselev, ext. 3037

