

Aluminum and Non-Ferrous Metal Equipment

Series / Equipment Name * Click for details (PDF)	Features	Melt-Supply Capacity	Holding Capacity
Melting Furnace	We supply tower-type rapid melting furnace. Highly efficient melting performance allows these products to use less energy and power while reducing metal loss.		
> Centralized Melting Furnace (HM III) *	The Hurry Melter III meets a broad range of diversifying customer needs with a compact design that simplifies cleaning and inspections while delivering energy savings, low-power melting performance, and reduced melting loss as a master furnace.	500kg/h–3000kg/h	1500kg/ch–600kg/ch
> Holding Furnace (HM II) *	The Hurry Melter II is a melting and holding furnace designed to realize improved melt quality while delivering significant improvements in aluminum leak resistance and reduced oxidation loss.	150kg/h–500kg/h	600kg/ch–1500kg/ch
Transport Equipment	Our melt distribution systems deliver unattended melt transport capability. Components include a trough-based launder system and a monorail-based carrier system, automatic aluminum melt-supply carriage system.		
> Carrier *	This unattended system automatically loads melt into a ceramic ladle that moves on a monorail to transport the liquid from a melting furnace to a holding furnace.	40kg/ch–100kg/ch	-
> Launder System *	Consisting of a launder (melt supply trough) developed by Grenges Ueda and a Holimesy holding furnace, our launder system brings unattended melt distribution to die-casting plants.	3000kg/h	6000kg/ch
> Automatic Aluminum Melt-Supply Carriage System	This automatic aluminum melt-supply carriage system features safe, unattended operation. Using carts designed to transport sealed containers without melt leakage, this system uses weight control to deliver a pressurized melt supply.	3000kg/h	-
Holding Furnace	Our energy-saving, electric-powered products have become the standard in aluminum holding furnace thanks to their exceptional insulation performance and creative design.		
> Holimesy Holding Furnace (Model C) *	This Holimesy system has become the standard in aluminum holding furnaces. Its exceptional insulation performance and multi-chamber design minimize energy consumption while eliminating hard spot formation.	-	510kg–1400kg
> Holimesy Holding Furnace (Model E) *	This immersed-heater type Holimesy holding furnace delivers high efficiency while delivering the many advantages of Holimesy holding furnaces.	-	695kg–1400kg
> Holimesy Holding Furnace (Model HG) *	This gas-radiation type Holimesy holding furnace incorporating many of the features of conventional electric-radiation type Holimesy holding furnaces.	-	510kg–1150kg
> Holimesy Holding Furnace (Model G)	Designed to make the most of the features of Holimesy furnaces, this gas-fired holding furnace uses a flat burner on the ceiling to limit oxide formation and metal loss.	-	510kg–1400kg
Low-Pressure Casting Furnace	Our no-crucible holding furnace supply melts at uniform pressure. They're also available in a two-chamber design that consists of a holding chamber and a pressurization chamber.		
> Low-Pressure Casting Furnace (Single-Chamber Type)	These no-crucible electric holding furnaces are designed for use in low-pressure casting systems. They can be equipped with a radiant tube system or an immersed heater.	-	1000kg–2000kg
> Low-Pressure Casting Furnace (Two-Chamber Type)	In this design, the pressurization chamber remains closed while melt is supplied to allow continuous operation. These compact, low-pressure casting furnaces feature stable pressurization control and minimal variation in the melt level in the pressurization chamber.	-	1000kg–5000kg
Direct Feeding Furnace	These feeding furnaces are designed to be connected to a sleeve from a die-casting machine. A constant melt level is maintained in the tapping chamber to ensure highly precise melt supply volume.		
> Direct Feeding Furnace (Float Type)	These fully automated feeding furnaces, which are designed to be connected to a die-casting machine's sleeve and holding furnace, are engineered to supply melt at high precision, and they feature a mechanism for maintaining a uniform melt level in the tapping chamber so that melt is not exposed to the air.	-	-
Heat Treat Furnace	Our heat treat furnaces automatically perform solution heat treatment and age-hardening treatment of aluminum alloys. They are available in electric and gas variants.		
> Heat Treat Furnace (Electric)	Our electric heat treat furnaces deliver exceptionally uniform quality thanks to temperature management and other features designed to boost the strength of aluminum products. Either batch or continuous furnace is available.	-	-
> Heat Treat Furnace (Gas)	Our gas heat treat furnaces automatically perform solution heat treatment and aging treatment of aluminum alloys. Either batch or continuous furnace is available.	-	-

Chip Melting Furnace	Our liquid melting furnace delivers high-efficiency melting performance and reduces equipment costs by eliminating the need for drying equipment in wet cutting processes.		
> Chip Melting Furnace * / Ultimate Chips Melter	By eliminating oil and moisture adhered to chips with a pre-processing system and constant-volume supply system, our chip melting furnaces deliver space and cost savings by eliminating the need for large drying equipment. Unlike conventional designs, these furnaces are engineered specifically to enable high-quality, high-yield melting of chips while reducing the risk of dust explosions.	50kg/h–300kg/h	-