

## ■ Large Vacuum Heat Treatment Equipment List

Plant	Himeji	Himeji	Ibaraki	Ibaraki	Gunma
Type	Vertical single chamber(#8113)	Vertical two chamber(#8101)	Horizontal single chamber(#3110)	Horizontal three chamber(#3116)	Horizontal three chamber(#0233)
Temperature range (°C)	540 ~ 1200	450 ~ 1200	450 ~ 1100	450 ~ 1280	500 ~ 1150
Working Zone (mm)	φ2000 × 3350H	φ1200 × 1400H	2000W × 2000L × 800H	1100W × 1800L × 1100H	1200W × 1800L × 1000H
Max loading weight (kg)	3500	900	3000	1500	1500
Application	Quenching and tempering, solution treatment, Precipitation hardening, brazing for stainless steel, heat resistant alloy and alloyed steel.	Quenching and tempering, solution treatment, Precipitation hardening, brazing for stainless steel, heat resistant alloy and alloyed steel.	Quenching and tempering, solution treatment, Precipitation hardening, brazing for stainless steel, heat resistant alloy and alloyed steel.	Quenching and tempering, solution treatment, Precipitation hardening, brazing for stainless steel, heat resistant alloy and alloyed steel.	Quenching and tempering, solution treatment, Precipitation hardening, brazing for stainless steel, heat resistant alloy and alloyed steel.
Remarks	· Pressurized cooling Ar: 185kPa N2: 260kPa	· Nadcap accredited · Pressurized cooling Ar: 200kPa N2: 280kPa		· AMS 2750E compliant · Pressurized cooling Ar: 200kPa N2: 200kPa	

Plant	Gunma	Shiga	Shiga	Toki
Type	Horizontal three chamber(#0237)	Horizontal single chamber(#0197)	Horizontal two chamber(#0195)	Vertical single chamber(#7101)
Temperature range (°C)	480 ~ 1180	450 ~ 1260	450 ~ 1100	510 ~ 1190
Working Zone (mm)	900W × 1350L × 1000H	1200W × 1800L × 1200H	900W × 1200L × 1000H	φ2100×2700H
Max loading weight (kg)	750	1800	450°C ~ 649°C : 200 650°C ~ 1100°C : 300	3000
Application	Quenching and tempering, solution treatment, Precipitation hardening, for stainless steel, heat resistant alloy and alloyed steel.	Quenching and tempering, solution treatment, precipitation hardening, brazing for stainless steel, heat resistant alloy and alloyed steel.	Quenching and tempering, solution treatment for stainless steel, heat resistant, steel and alloyed steel.	Quenching and tempering, solution treatment, precipitation hardening, stress relief and brazing for metal steel.
Remarks	MIL-H-6875 MIL-B-7883 AMS2750E IS	· AMS compliant · Pressurized cooling Ar: 300 kPa (3 bar) N 2: 500kPa (5bar)	· MIL-H-6875 BAC · AMS accredited · Oil Cooling	· AMS2750G · Nadcap accredited · Product temperature measurement · Pressurized cooling Ar : 200kPa (2bar) N2 : 200kPa (2bar)