

■ Large Vacuum Heat Treatment Equipment List

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|-------------------------|--|--|--|--|--|--|
| Plant | Himeji | Himeji | Ibaraki | Ibaraki | Kanagawa | Gunma |
| Type | Vertical single chamber | Vertical two chamber | Horizontal single chamber | Horizontal three chamber | Horizontal three chamber | Horizontal three chamber |
| Temperature range (°C) | 540 ~ 1200 | 450 ~ 1200 | 450 ~ 1100 | 450 ~ 1320 | 500 ~ 1250 | 500 ~ 1150 |
| Working Zone (mm) | φ2000 × 3350H | φ1200 × 1400H | 2000W × 2000L × 800H | 1100W × 1800L × 1100H | 1200W × 2000L × 900H | 1200W × 1800L × 1000H |
| Max loading weight (kg) | 3500 | 900 | 3000 | 1500 | 1700 | 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. | Quenching and tempering, solution treatment, precipitation hardening, brazing for stainless steel, heat resistant alloy and alloyed steel. |
| Remarks | · Pressurized cooling Ar: 185 kPa N 2: 260 kPa | · Nadcap accredited · Pressurized cooling Ar: 200 kPa N 2: 280 kPa | | · AMS compliant · Pressurized cooling Ar: 290 kPa N 2: 290kPa | ·AMS-H-81200 ·AMS-H-875 ·AMS 2759 ·AMS 2774 ·AMS 2750D | |
| Plant | Gunma | Shiga | Shiga | Toki | Chiba | Chiba |
| Type | Horizontal three chamber | Horizontal single chamber | Horizontal two chamber | Vertical single chamber | Vertical single chamber | Vertical single chamber |
| Temperature range (°C) | 480 ~ 1180 | 450 ~ 1260 | 450 ~ 1100 | 510~1190 | 800 ~ 1200 | 800 ~ 1200 |
| Working Zone (mm) | 900W × 1350L × 1000H | 1200W × 1800L × 1200H | 900W × 1200L × 1000H | φ2100×2700H | φ2100 × 1600H | φ1300 × 1200H |
| Max loading weight (kg) | 750 | 1800 | 450°C ~ 649°C: 200 650°C ~ 1100°C: 300 | 3000 | 2000 | 1200 |
| 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. | 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 | 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 ·AMS2750D ·Oil Cooling | ·AMS2750E · Nadcap accredited · Product temperature measurement · Pressurized cooling Ar: 200kPa (2bar) N2: 200kPa (2bar) | ·AMS2750D | ·AMS2750D |