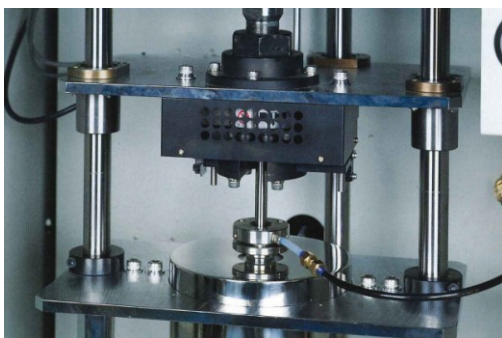




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No.633 P-V-T Test System Model **A2**

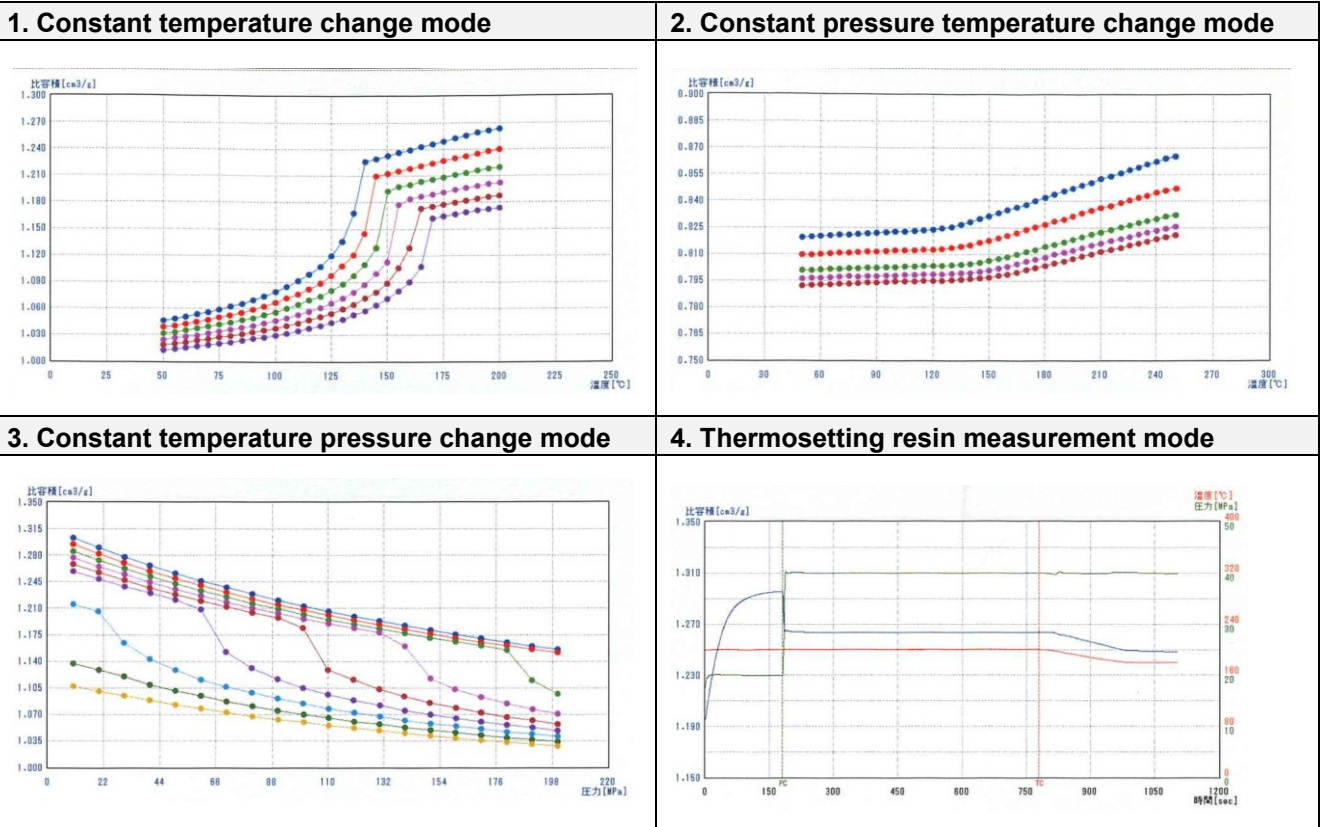


Furnace & vacuum degassing system

APPLICATION

The **P-V-T Test System** enables to obtain such relational data as Pressure - Volume (Specific) – Temperature of melting polymers required at the time of actual polymer processing just with a small quantity of sample.

DATA EXAMPLES



■ SPECIFICATIONS

| Model | A2 |
|--------------------------------|---|
| Measurement system | Direct method by piston-cylinder system Vacuum degassing device included Strain correction by temperature & pressure |
| Furnace cleaning | Pneumatic |
| Test mode | <ul style="list-style-type: none"> ■ Constant pressure temperature change mode ■ Constant temperature pressure change mode ■ Thermosetting resin test mode |
| Temperature range | Room temperature +5°C to 400°C |
| Temperature control | PID control |
| Length of furnace | 115mm |
| Diameter of furnace | Ø9.55mm |
| Pressure applying system | Pneumatic cylinder |
| Maximum pressure | 200MPa |
| Pressure detection | By load cell |
| Pressure detection accuracy | ±1% F.S. |
| Displacement measurement | By linear scale |
| Displacement measurement range | 10 to 30mm (Resolution 1 micrometer) |
| Data processing unit | PC & data processing software Note: Spreadsheet software is not included. |
| Sample insertion | Pneumatic (Vacuum degassing system) |
| Power requirement | Single-phase, AC100V, 50Hz or 60Hz, 1kVA |
| Compressed air requirement | 0.55MPa or greater |
| Dimensions | W670 x D750 x H1050mm (Main unit) |
| Weight | Approx. 120kg (Main unit) |

Specifications are subject to change without notice.



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