

Section 0.
SYSTEM DESCRIPTION:

SPECIFICATIONS

MODEL:	Cee (Cost Effective Equipment) Model 100CB Hotplate/Spinner.
TEMPERATURE CONTROL:	PID (Proportional Integral Derivative) Microprocessor controlled to a maximum temperature of 300° C (400° C optional) with 1.0°-C resolution (0.1° C optional with platinum RTD sensor).
SPIN CONTROL:	PID (Proportional Integral Derivative) Microprocessor controlled to a maximum speed of 6000 RPM (+/- 5RPM) with an acceleration of 30,000 RPM/s.
SUBSTRATE SIZE:	Standard capacities of 0.5 to 8 inches depending on model and/or retrofit. Custom chuck configurations also available.
EXHAUST COVER:	Cee open-faced single-lip exhaust cover supplied as standard equipment on all hotplates.
USER PROGRAM STORAGE:	Lithium battery, life expectancy of 33 years.
POWER SUPPLY:	120 Volts AC (240 Volts AC, optional), 1500 Watts.
UTILITIES:	Nitrogen: 35 psi minimum. Vacuum: 25" Hg Drain: 3/4" O.D. Spinner exhaust: 1" O.D. Hot chuck exhaust: 2" O.D.
DIMENSIONS:	13" height x 38" length x 13" depth
WEIGHT:	79 lb

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FEATURES

- The battery-backed memory stores up to ten user programs containing preset values for bake temperature, bake time, and bake method while the machine is operating in the hotplate mode. A bake program contains up to three consecutive bake methods. The spinner mode of operation also contains ten user programs with ten individual steps for setting spin speed, acceleration and time which allows for very precise spinning.
- The Model 100CB Hotplate/Spinner supports three bake methods: proximity, soft-contact, and hard-contact (For more information, see bake methods in Section 10). These bake methods provide maximum control of substrate warmup, solvent drying, and resin curing characteristics.
- A separate microprocessor allows greater control of temperature critical processes. The Model 100CB Hotplate/Spinner realizes bake temperatures to a maximum temperature of 300° C with a resolution of 1.0° C (400° C and/or 0.1° C, respectively, optional).
- A benchtop unit, the 100CB Hotplate/Spinner covers less than four-square feet and requires only common utilities: 120 Volts AC, exhaust, drain, nitrogen gas, and vacuum.
- Built-in diagnostic software aids in system installation and testing.
- Single-step operating mode allows substrate baking without prior programming setup for quick processing of one or two substrates.
- Information on various options will be distributed as they become available.