

Designed for the Solid State Drive Industry

Flexibility, accuracy and repeatability in burn-in testing

The **Green** family of test systems delivers accurate testing with consistency. The well-proven Flexstar software simplifies testing with a familiar GUI and the ability to easily create and modify test scripts with no programming expertise required.

The **Green** systems were engineered to provide two environmental options ambient or heated. The heated provides uniformity of airflow to minimize temperature variance in the test system. The system can be ordered in “ramp” or “soak” configurations. In the ramp configuration temperature can be controlled from ambient +10°C to +70°C air temperature with a gradient of +/- 3°C air temperature between test ports.

Customers ordering the **Green** systems have a choice of three power cards depending on the application.

1. Bulk Power
2. Variable Power Margined
3. Network Power Margined

The combination of the Flexstar software, new single board computer (SBC III) and power card options provides Flexstar customers with the bandwidth and flexibility to be able to handle the fastest drives at maximum speed.

Banks of drive bays may be programmed to run different tests at the same time. Failed drives can be debugged in place while the tests continue to run and the serial port option data captures data and enables access to the device under test even if the interface is not responding.

The **Green** family comes standard with SAS/SATA 6G interfaces with an option for USB.

The new thermal upgrade makes the **Green** 416B more energy efficient using less power and HVAC.



Product Specifications

Input Power Requirements

- Voltage: 208 to 240V AC @ 50A, 380 to 400V @ 60A
- Frequency: 47 to 440Hz

Mechanical

- Exterior Dimensions: 74.5" x 91" x 34.5" (189cm x 231cm x 87.6cm)
- Weight: 2200 lbs (998 kg) 2400 lbs (1089 kg) crated
- Test Enclosure:
 - 32" x 11" x 42" (81.3cm x 27.9cm x 106.7cm)
 - Capacity: 416 x 2.5" drives or 1.8"
 - Optional capacity
 - 320 x 2.5" drives or 1.8"
 - 256 x 2.5" drives or 1.8"
 - 192 x 2.5" drives or 1.8"
 - Height to top fixture: 67" (170cm)
 - Height to bottom fixture: 26" (62.2cm)

Environmental Options

- Temperature: ambient or ambient +10°C to + 70°C air temperature
- Chamber consistency: +/- 3°C

Power Options

- Bulk Power: 3.3v, 5v, or 12v
- Variable Power: Margined, voltage read back, no current read back.
- Network Power: Margined, complete power testing

Key Features

- Upgradeable in the field
- Auto-insertion detection fixtures
- Flexstar test software provides powerful, flexible test tools
- Upgraded thermal package for improved energy efficiency
- User programmable color icons
- Shell allows interactive command execution to the device under test
- Java support and documented APIs
- Remote test operation or failure analysis from across the room or across the world
- Robust test algorithms with simple customization and editing of test scripts

Flexstar Technology
47323 Warm Springs Boulevard
Fremont, California 94539
Phone: (510) 440-0170
Fax: (510) 440-0177
Email: sales@flexstar.com
www.flexstar.com