

Flexstar's New Environmentally Friendly Burn-In Rack

- Lower cost per port than the Flexstar 104B
- Lower cost of operation
- Lower power consumption
- Better heat dissipation
- Smaller Footprint



The **Green** 128B supports industry-standard storage device interfaces, including SAS up to 6G, SATA up to 6G, and PATA. **Green** systems include anti-vibration fixtures for the HHD/ODD industry. You have a choice of fixture sizes of 3.5", 2.5" and 1.8". Any combination of these Flexstar fixtures can be specified. Support for a mix of different interfaces in one **Green** 128B provides many combinations of drive testing to further save our customer money.

The **Green** 128B is the first comprehensive re-design and development of a Flexstar product in over 5 years. The **Green** 128B has been designed to meet today's environmental friendly customer requirements.

This new design recycles heat from the drives to maintain optimum temperature within the rack. This new feature in the **Green** 128B means less heated air is dissipated into the room saving up to 34% on HVAC. The **Green** 128B has an improved temperature gradient of +/- 2 degrees C. With temperature ranges from ambient +10C to 70C the system provides a 15% improvement over previous Flexstar models.

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 serial port data capture capability enables access to the device under test even if the interface is not responding.

The **Green** 128B uses the latest state of the art SBC III enabling the fastest throughput available in the industry today.

The **Green** 128B uses a new improved version of the Flexstar comprehensive software and scripting language.

As with older Flexstar products the **Green** 128B is upgradeable in the field.

Product Specifications

Input Power Requirements

- Voltage: 208 VAC 35 AMP's, 400 VAC
- Frequency: 50Hz, 60Hz
- Connections: 3 phase 4 wire
- Voltage range: 200VAC to 240VAC

Mechanical

- Exterior Dimensions: 72" x 37" x 79", (182.9cm x 94cm x 200.7cm)
- Weight: 2200 lbs (1000 kg) 2400 lbs (1090.9 kg) crated
- Test Enclosure:
 - 43"w x 13"d x 49.5h, (109.2cm x 33cm x 125.7)
 - Capacity: 128 3.5" drives, 264 2.5" or 1.8" or smaller drives
 - Height to top fixture: 65.1" (165.4cm)
 - Height to bottom fixture: 20.3" (51.6cm)

Environmental

- Temperature range: ambient +10°C to + 70°C air temperature
- Ramp Rate 0°C to 70°C at 1°C/minute depending on load.
- Chamber consistency: +/- 2°C

Power Margining

- Current measurement range: 0 to 5 amps with 0.6 milliamps resolution
- Current measurement accuracy: +/- 1% of full scale
- Voltage measurement range: 0 to 15V with 3.6 mV resolution
- Voltage measurement read back accuracy: +/- 0.5% of full scale
- Power sampling: Up to 4096 samples for each channel
- Power sampling rate: 1 to 255 milliseconds in 1 millisecond increments
- On-board memory for power sampling data acquisition

Key Features

- Easy reconfiguration for different interfaces and form-factors
- Flexstar test software provides powerful, flexible test tools
- Multi-threaded operation for high performance testing
- Concurrent testing of multiple interfaces
- Shell allows interactive command execution to the device under test
- Java support and documented APIs
- Context-sensitive Help file and familiar GUI design for ease of use
- 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

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