

FLASH 36

As our largest tester, the Flash 36 is capable of testing springs up to 50,000 lbs. This tester is designed around large parts with heavy loads. Plate diameter is up to 24" and supports a load cell configuration to 50,000 lbs. The Flash 36 has a complete enclosure and a removable top plate to accommodate a large thru-rod for testing parts that tend to buckle under load. The optional thru-rod accessory kit is pneumatically powered and easy to use.

Standard Features:

- Adjustable travel / test speed
- Compression and extension testing of force and length
- Touch screen / Full color LCD graphics
- Integrated computer system features Windows XP
- Up to 50,000 lb capacity
- Smart load cells (choose from 6)
- 240 volt Servo Drive
- Digital calibration
- NIST traceable calibration
- Multiple measurement units (mm, in, lb, kg, N)

Mechanical Features:

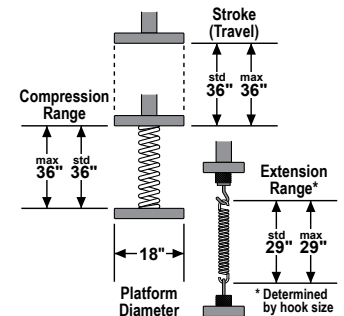
- All metal telescoping ball screw covers
- 4 Ball screws
- Rigid preloaded linear bearings
- 12" or 18" Platform
- Pneumatic thru rod
- 3 Load cell platform for maximum off center loading
- Up to 6" OD thru-rod

Connectivity Features:

- Remote support / diagnostic capability via the Internet
- Ethernet port for PC network
- USB for easy printing / software updates
- RS 232
- Automation interface

Safety Features:

- Test abort button
- Interlocked full enclosure
- Easy access to emergency shutoff
- Mechanical overload stops
- Software length / force limits
- Emergency Stop Button

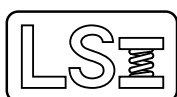


Visit larsonsystems.com for full options list

FLASH 36 - Force Specifications			
Part No.	Capacity	Resolution	
		0-20% FS	20-100% FS
025-0000-0254-02	2,000 lb	0.05 lb	0.5 lb
	907 kg	0.02 kg	0.2 kg
	8,896 N	0.2 N	2 N
025-0000-0254-05	5,000 lb	0.1 lb	1 lb
	2,268 kg	0.05 kg	0.5 kg
	22,241 N	0.5 N	5 N
025-0000-0254-10	10,000 lb	0.2 lb	2 lb
	4,536 kg	0.1 kg	1 kg
	44,482 N	1 N	10 N
025-0000-0254-20	20,000 lb	0.5 lb	5 lb
	9,072 kg	0.2 kg	2 kg
	88,964 N	2 N	20 N
025-0000-0254-30	35,000 lb	1 lb	10 lb
	15,875 kg	0.5 kg	5 kg
	155,690 N	5 N	50 N
025-0000-0254-50	50,000 lb	2 lb	20 lb
	22,679 kg	1 kg	10 kg
	222,411 N	10 N	100 N

Accuracy = ± Resolution x 2

FLASH 36 - Length Specifications			
Standard Resolution		High Resolution*	
Resolution	Accuracy (±)	Resolution	Accuracy (±)
0.0005 in	0.001 in	0.0001 in	0.0005 in
0.01 mm	0.02 mm	0.001 mm	0.01 mm



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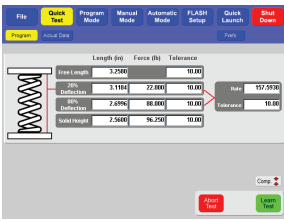
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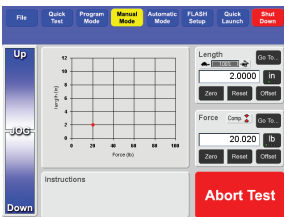
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The Flash Interface



Quick Test

This is spring testing at its easiest — no programming required! Simply place your part, push the Learn button, and the FLASH automatically calculates free length, solid height, rate and 20% and 80% deflection. Descriptive graphics and graphs enhance the Quick Test experience.



Manual Mode

With a new intuitive jog switch and "Go To" button, Manual Mode allows you to manipulate the platform to any length or force you specify within seconds.



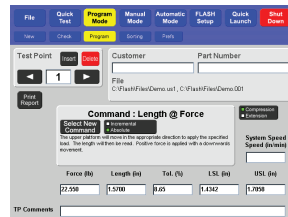
Automatic Mode

The FLASH Automatic Mode offers completely flexible testing options. View information by test or by lot. Statistical graphs, X-bar, range graphs and more!



Quick Launch

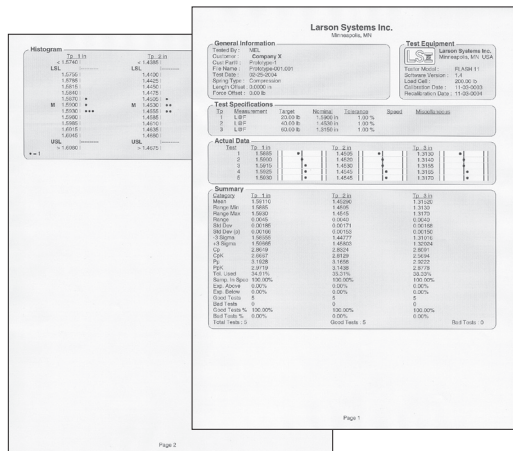
Imagine a tester capable of quickly handling two or more unique tests at the same time. Now switch to Quick Launch and you're there! Easily switch between different users' tests or revision levels with a few quick touches and back again. Now, interrupting "this will be just a minute" tests really are "just a minute".



Program Mode

Complete testing sequences for Automatic Mode are programmed here, and include the test commands, sorting options and other preferences.

Comprehensive Printed Reports



FLASH Software Packages						
Feature Description	Basic	Extra	Pro Spring	Fatigue Testing	Pro Material	Pro Ultimate
Quick Test	*	*	*			*
Quick Launch		*	*			*
Manual Mode		*	*			*
Program Mode		*	*			*
Automatic Mode	*	*	*			*
Single Load Cell Capability	*	*	*			*
Dual Interchangeable Load Cell Capability		*	*			*
Full Range Interchangeable Load Cell Capability		*	*			*
Absolute Programming	*	*	*			*
Incremental Programming		*	*			*
Graphic Displays: F vs. L Chart, Individuals Chart, X-Bar/R Chart and Histogram Chart		*	*			*
Statistics Reporting		*	*			*
Report Printouts		*	*			*
Up to 2 Point Testing	*	*	*			*
Up to 10 Point Testing		*	*			*
Up to 99 Point Testing		*	*			*
Compression / Extension Testing	*	*	*			*
Program Saving / Retrieving		*	*			*
Conditional Testing & Sorting (Set & Test to Tolerance)		*	*			*
Length / Force Offsets		*	*			*
Fatigue Testing: Preset type move up to 9,999,999 cycles		*	*	*		*
Fatigue Testing: Archiving data during cycling to file on hard drive		*	*	*		*
Fatigue Testing: Nominal and tolerance specifications to allow cycling to stop early		*	*	*		*
Dynamic Testing - Force, Length & Time		*	*			*
Test Commands		*	*			*
Test Command: Length @ Force	*	*	*			*
Test Command: Force @ Length	*	*	*			*
Test Command: Preset		*	*			*
Test Command: Free Length		*	*			*
Test Command: Initial Tension		*	*			*
Test Command: Rate		*	*			*
Test Command: Peak		*	*			*
Test Command: Pause		*	*			*
Test Command: Delay		*	*			*



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