

MULTI STATION SYSTEMS

6800 Series

The Instron® 6800 Series Multi Station System offers enhanced throughput with its ability to perform simultaneous, independent tests on up to five (5) separate specimens using a single load frame. Based on our standard 68TM-30 testing frame (30 kN capacity)¹, this system is especially suitable when test times are lengthened due to high elongation or slow test speeds. If your test methods and expected results are similar for the specimens you are testing, this system is the ideal solution for cost-effective and efficient materials testing. This system will help labs keep up with the high throughput demands of high speed or multiple production lines.

The pre-configured Multi Station system meets most test lab requirements for performing simultaneous tests. The system works seamlessly with Bluehill® Universal Materials Testing Software and has the ability show all required transducer channels on live displays. Bluehill Universal for Multi Station also shows live graphs for all specimens under test. The tests end only when appropriate criteria are met for all specimens being tested.

IMPROVE EFFICIENCY AND INCREASE THROUGHPUT OF YOUR FACILITY

- Single system to handle the testing needs of 5 systems
- Convenient multiple test setup increases productivity
- Simultaneous and synchronized data logging
- Auto calibration on all channels
- Easy-to-use Bluehill Universal test control software
- Integrates seamlessly with Automatic Specimen Measurement Device (ASMD)

GENERAL SYSTEM COMPONENTS

- 6800, multi station frame
- 2580 high-performance static load cells
- Pneumatic side-acting grips or other test fixtures
- Operator Dashboard with Bluehill Universal materials testing software and appropriate test application module / Multi Station options

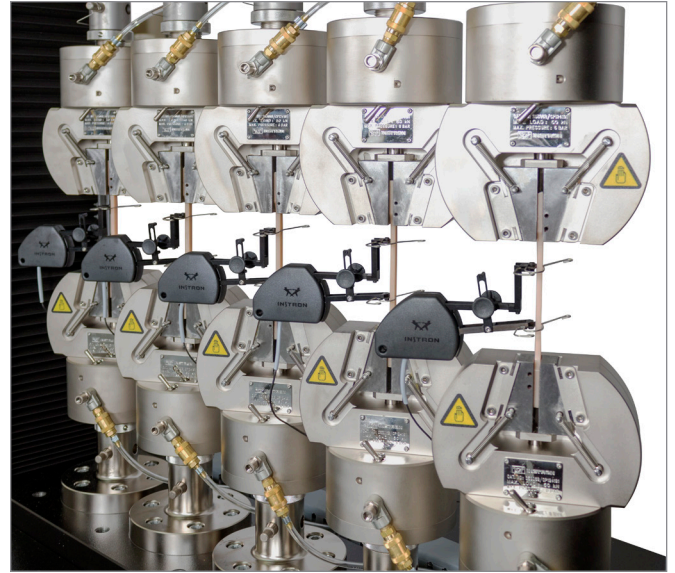


OPTIONS

- Extra height frame for high elongations specimens
- 5-port environmental chamber with roller mount, providing temperatures from -40° C to 200° C
- Long travel XL extensometers

1. This is the total frame capacity for all load strings combined. Other capacities are available upon request. Load string capacity is equal to the frame capacity divided by the number of load strings.

The testing frame is offered with 3 or 5 load strings and in different heights, widths and pitches to allow for various load string configuration and peripheral equipment. The extra height frame is an option for high elongation materials. The wide pitch, with available horizontal spacing of 165 mm (6.5 in), is necessary when using long travel XL extensometers and will accommodate both the 1 and 2 kN pneumatic side action grips. The narrow pitch, available with horizontal spacing of 140 mm (5.5 in), is necessary when using an environmental chamber and will accommodate the 1 kN pneumatic side action grips.



MULTI STATION CONFIGURATION SPECIFICATIONS

Catalog Number	Height	Pitch	Horizontal Spacing per Load String	Total System/ Load Capacity	Crosshead Travel	Speed Range	Electrical Requirements	Overall System Dimensions (W × D × H)
			mm	kN	mm	mm/min		mm
CP130769	Standard	Narrow	156	30	1067	0.001 to 1016	Single phase, 50/60Hz, 120/220 VAC	1278 × 713 × 1601
CP129521	Standard	Wide	185	30	1067	0.001 to 1016	Single phase, 50/60Hz, 120/220 VAC	1278 × 713 × 1601
CP130919	Extra Height	Narrow	156	30	1550	0.001 to 1016	Single phase, 50/60Hz, 120/220 VAC	1278 × 713 × 2130
CP129523	Extra Height	Wide	185	30	1550	0.001 to 1016	Single phase, 50/60Hz, 120/220 VAC	1278 × 713 × 2130

Note:
Pneumatic Grip Compatibility: 1 kN with standard load string orientation 2 kN grips with all five load strings orientated at 30 degrees.

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