Test Stand Systems

GOOD — FMM & L1

Max Load: **110 LBF**	Max Load: **330 LBF**	Max Load: **550 LBF**
Max Strokes: **12in, 20in, 30in**	Max Strokes: **12in, 20in, 30in**	Max Strokes: **12in, 20in, 30in**
Accuracy: **±0.001in**	Accuracy: **±0.001in**	Accuracy: **±0.001in**
Starting at: **$5,195.00**	Starting at: **$5,795.00**	Starting at: *$6,295.00*

BETTER — FMS & L2 Plus

Max Load: **225 LBF**	Max Load: **560 LBF**	Max Load: **1,120 LBF**
Max Stroke: **30in**	Max Stroke: **40in**	Max Stroke: **40in**
Accuracy: **±0.0004in**	Accuracy: **±0.0004in**	Accuracy: **±0.0004in**
Starting at: **$15,295.00**	Starting at: **$16,595.00**	Starting at: **$20,495.00**

BETTER — FMD & L2 Plus

Max Load: **2,250 LBF**	Max Load: **6,750 LBF**	Max Load: **11,250 LBF**
Max Stroke: **45in**	Max Stroke: **44in**	Max Stroke: **43in**
Accuracy: **±0.0004in**	Accuracy: **±0.0004in**	Accuracy: **±0.0004in**
Starting at: **$30,195.00**	Starting at: **$35,695.00**	Starting at: **$38,995.00**

BEST — MMS & L3

Max Load: **225 LBF**	Max Load: **560 LBF**	Max Load: **1,120 LBF**
Max Stroke: **30in**	Max Stroke: **40in**	Max Stroke: **40in**
Accuracy: **±0.0002in**	Accuracy: **±0.0002in**	Accuracy: **±0.0002in**
Starting at: **$20,295.00**	Starting at: **$21,595.00**	Starting at: **$25,395.00**

BEST — MMD & L3

Max Load: **2,250 LBF**	Max Load: **6,750 LBF**	Max Load: **11,250 LBF**
Max Stroke: **45in**	Max Stroke: **44in**	Max Stroke: **43in**
Accuracy: **±0.0002in**	Accuracy: **±0.0002in**	Accuracy: **±0.0002in**
Starting at: **$35,695.00**	Starting at: **$41,195.00**	Starting at: **$44,395.00**

All prices are subject to change without prior notice.

Software

LX Software Product Matrix	GOOD L1	BETTER L2Plus	BEST L3
Target Applications			
Basic Extension and Compression Spring Applications	X	X	X
Basid Load, Distance and Force Measurement Applications	X	X	X
Advanced Extension and Compression Spring Applications		X	X
Advanced Load, Distance and Force Analysis Applications		X	X
Stress, Straing and Material Testing Applications			X
Software Applications			
Force Quick Test Templates	X		
Spring Quick Test Templates	X	X	X
Test Builder		X	X
Automation Builder		O	O
Formula Builder		O	O
Measurement Methodology			
Create Test Setups using Quick-Test Templates	X	X	X
Create Test Setups using Graphical Test Methods (No programming)		X	X
Measure results using a List of Value menu		X	X
Measure results using the graph		X	X
Test Methods			
Cyclic Testing for Duration, Count, Loop or Event	X	X	X
Spring Testing	X	X	X
Hold Testing, Load, Distance for Durance or Event	X	X	X
Compression Testing, Load, Distance, Break, Rate	X	X	X
Tensile Testing, Load, Distance, Break, Rate	X	X	X
Coefficient of Friction Testing		X	X
Peel Testing		X	X
Flexural Testing		X	X
Shear Testing		X	X
Measurement Capabilities			
Measure Break and Rupture	X	X	X
Measure Minimum, Maximum and Averages	X	X	X
Measure Load, Distance and Time	X	X	X
Measure Spring Rate, Spring Constant, Free Length	X	X	X
Measure Delta between results within a test		X	X
Use Command and Conditional Logic		X[1]	X[1]
Use Ditital I/O		X[1]	X[1]
Create Basic Expressions using Add, Subtract, Multiply and Divide		X[1]	X[1]
Use Analog I/O (requires MMx test frames)		X[1]	X[1]
Create Mathematical Expressions using Algebraic, Trigonometric and Logarithmic functions		X[1]	X
Measure Peakds, Valleys, Counts and Averages		X	X
Measure Slopes and Intersections		X	X
Measure Energy, Work, Resilience		X	X
Measure results within multiple test runs simultaneously (multiview)		X	X
Measure Straing and Elongation using Extensometer(s) (requires MMx test frames)			X
Measure Modulus (Elastic, Chord, Tangent)			X
Measure Offset Yield			X
Measure Stress, Strain, Elongationand Strengths			X
Reporting and Exporting Data			
Include tolerances on any result	X	X	X
Export results/data in .csv for integration with SPC software	X	X	X
Export results/data in .csv for custom reporting	X	X	X
Print using standard reports, graph, batch, tolerance and statistics	X	X	X
User Interface			
Table Computer, Windows OS	X		
All-In-One Computer Workstation, Windows OS		X	X
X = Standard			
O = Optional			
X[1] = Requires Automation Builder Application			

Load Cells

GOOD

Stand Compatibility

FMM	FMS	FMD	MMS	MMD
X				

Ideal for use in general force applications.

BLC SERIES
Max Load Capacities (LBF):
2, 5, 10, 20
50, 100, 200, 500
Max Overload Capacity
200%
Accuracy:
±0.1%
Starting at:
$645.00

GOOD

Stand Compatibility

FMM	FMS	FMD	MMS	MMD
	X	X	X	X

Ideal for use in general force applications.

FLC-Economy SERIES
Max Load Capacities (LBF):
11, 22, 44, 112
225, 450, 562, 1124
Max Overload Capacity
150%
Accuracy:
±0.1%
Starting at:
$1,142.00

BETTER

Stand Compatibility

FMM	FMS	FMD	MMS	MMD
	X	X	X	X

Sealed for protection from external elements.

FLC-Sealed SERIES
Max Load Capacities (LBF):
112, 225, 450
562, 1124
Max Overload Capacity
150%
Accuracy:
±0.1%
Starting at:
$1,486.00

BETTER

Stand Compatibility

FMM	FMS	FMD	MMS	MMD
	X	X	X	X

Ideal for use in low load capacity applications.

FLC-Premium SERIES
Max Load Capacities (LBF):
0.11, 0.22, 0.45
1, 2, 5, 11, 22, 56
Max Overload Capacity
1,000%
Accuracy:
±0.1%
Starting at:
$1,830.00

BEST

Stand Compatibility

FMM	FMS	FMD	MMS	MMD
	X	X	X	X

Ideal for use in high load capacity and spring applications.

MLC SERIES
Max Load Capacities (LBF):
25, 50, 112
Max Overload Capacity
150%
Accuracy:
±0.05%
Starting at:
$2,290.00

BEST

Stand Compatibility

FMM	FMS	FMD	MMS	MMD
	X	X	X	X

Ideal for use in high load capacity and spring applications.

MLC SERIES
Max Load Capacities (LBF):
225, 300, 562, 1124
2240, 5600, 11200
Max Overload Capacity
150%
Accuracy:
±0.05%
Starting at:
$2,290.00

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Fixtures

VISE ACTION FIXTURES
A perfect easy sample loading option, these grips are tighten manually and keep alignment simple, jaw faces come in a variety of sizes and surface finishes.

PLATENS
Made from aluminum and steel for compression applications; available in fixed or self-leveling for soft samples, cardboards, plastics, steel, stone, foam, and more.

PNEUMATIC FIXTURES
Pneumatic actuation is used to open and close the jaw faces on these grips, ideal for high volume testing and maintaining a consistent clamping pressure.

ROLLER FIXTURES
An excellent self-tightening fixture for materials that deform under load, idea for flat samples, rollers available in smooth, rubber, or serrated jaw faces.

WEDGE ACTION FIXTURES
Designed for easy loading and alignment these fixtures can be equipped with smooth, serrated, v-notch, diamond-coated and rubber jaw faces. Wedge-action fixtures apply an increasing clamping.

SCISSOR FIXTURES
A self-tightening grip with a large variety of jaw faces available, great for general purpose testing of elastomers, plastic, rubber, textiles and more.
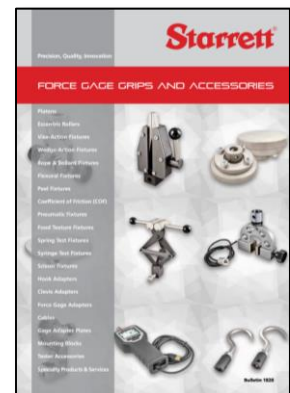
PEEL FIXTURES
These are suitable for determining adhesive strength on a variety of adhesive tapes, thin film coatings, copper runners and more. Fixed 90° and adjustable models are available.

ROPE FIXTURES
Use these for testing materials like rope, cable, filaments, yarn and more. They are designed to ensure proper sample alignment and prompt a correct sample break.

More Details in Fixture Catalog