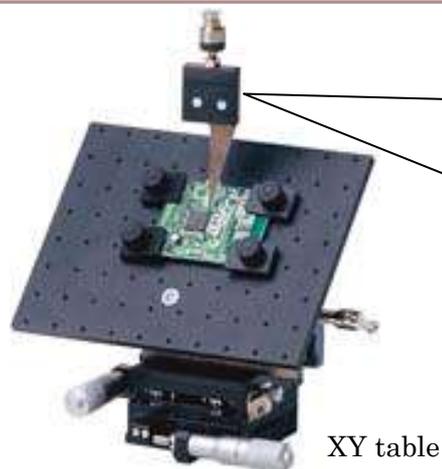


Attachments for soldering strength LF

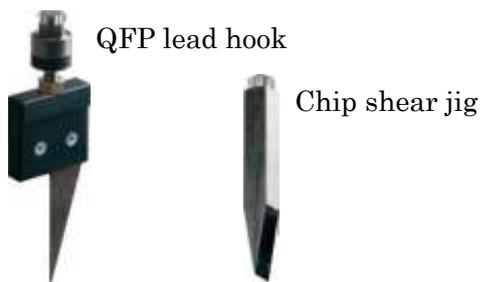
Attachments for measurement of soldering strength.

Attachment for 45 degree pull test of QFP lead is included.

Attachment for shearing test of IC tips is included.



For mounting to force gauge

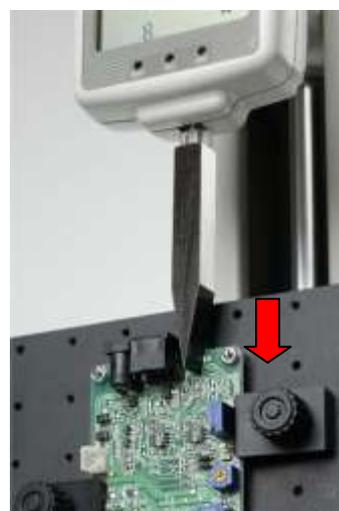


QFP lead pull test
 JIS Z 3198-6:2003 conformed



Pull QFP lead with hook on the board of 45 degrees for strength test.

Soldered chip shearing test
 JIS Z 3198-7:2003 conformed



Push chips vertically as shearing (peeling) strength test.

Feature 1	Feature 2	Feature 3
JIS conformed	Easy positioning with XY table	Easy mounting of several types of samples.
The attachments are conforming by JIS Z 319B. Suitable for soldering strength test.	Delicate positioning of tiny parts is easy to adjust with XY table.	Mounting chuck can be moved freely and several types and shapes of samples can be mounted.

* The combination is an example. Please choose the suitable model depending on applications and samples.

Example of Composition (Measurement less than 100N)	
	Digital Force Gauge (1) ZTS-100N For measurement of tension and compression up to 100N. *Please choose the suitable range for application.
	Motorized Test Stand (2) MX2-500N-L-V90 Enable to apply tension and compression force at stable speed.
	Optional Attachments (3) LF Attachments for QFP lead and soldered chip shearing strength test.
	Software for graph Force Recorder Easy to evaluate force change with graph. 
	Control Cable CB-518 For connection of force gauge and test stand. It supports to avoid brake down by over load.

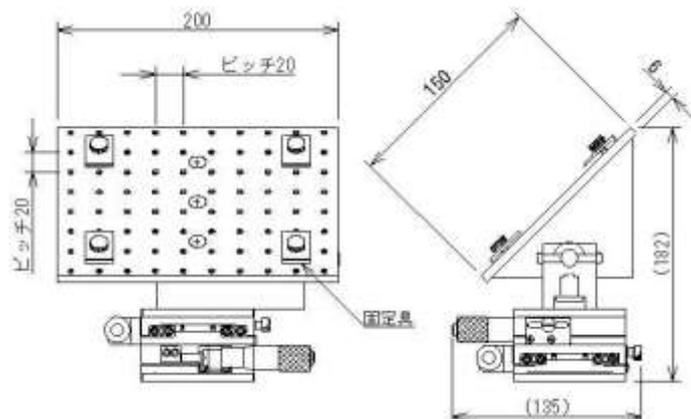
Please ask us any inquiries. Customer service: +81-532-33-3288, info@forcegauge.net.

Specifications	
Model	LF For QFP lead strength test and soldering shearing test. (QFP lead hook, soldering test jig and XY table are included.)
* Please choose either model.	QFP45-100N For QFP lead strength test (QFP lead hook and XY table are included.)
	TIP90-100N For soldered chip shearing test (Soldering test jig and XY table are included.)
Table size	200 x150mm
XY stroke	+/- 12.5mm (resolution: 0.01mm)
Dimensions	Refer to the picture below.
Weight	QFP lead hook: approx. 60g Chip shear jig: approx. 50g XY table: approx. 650g

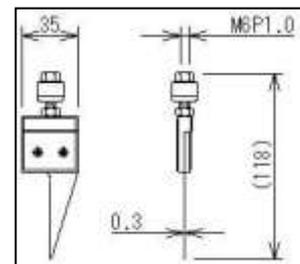
Accessories		
Replacement blade for QFP lead hook QFP45-SB-1	Replacement for chip shear jig TIP90-1	Magnifying glass
		Enable to attach magnifying glass to the attachments. *Customized option

[Dimensions]

QFP lead hook (LF, QFP45-100N)

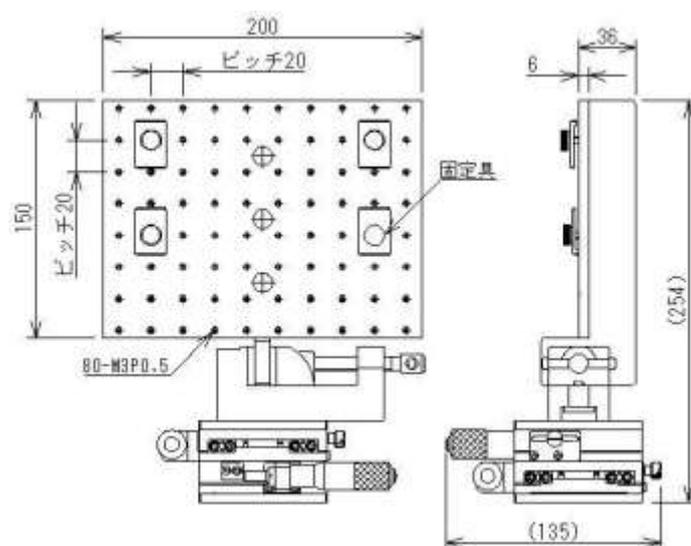


XY table for QFP lead test

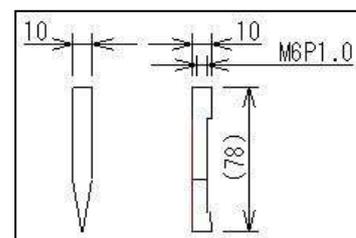


QFP lead hook

Soldering shearing jig (LF, TIP90-100N)



XY table for soldering shearing test



Soldering shearing jig

[Caution]

- *The contents may be changed without notice in advance.
- *The force gauges and the test stands (both are not included) are needed to use this product.
- *May not be used with specific samples.
- *This product is for force measurement purpose. Do not use for another purpose.
- *DO not copy and use this content without authority.

Please feel free to contact us for measurement solutions.

Customer service: +81-532-33-3288, info@forcegauge.net