BOND FORCE TESTERS

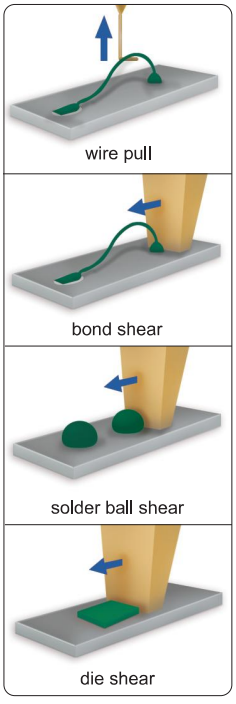
ATTENTION: THE TEST MODULES MUST BE CONFIGURED

VIDEO



DTM-A140

measurement schematic



- Suitable for testing the strength of microelectronic after bonding, and adhesion testing between solder and substrate surfaces, and failure analysis
- Suitable for wire pull, bond shear, ball shear, die shear test
- The corresponding test module can be replaced according to the need, and the system automatically identifies the module parameter information
- With landing protection function to prevent damage to the test probe by misoperation
- The equipment adopts air suspension bearings, which provide extremely low touchdown force and won't damage the substrate
- Fast, accurate and widely applicable
- Powerful software, easy to operate, support for custom path editing
- Perfect data analysis function, support MES interface interconnection

SPECIFICATION

Code	DTM-A140	DTM-A160	DTM-A200	DTM-A320
Max. load capacity	200kg	200kg	200kg	50kg
Axis travel (X×Y×Z)	140×140×65mm	160×160×75mm	200×200×100mm	320×320×75mm
Speed	0.1~200mm/min	0.1~500mm/min	0.1~500mm/min	0.1~1000mm/min
Min. travel distance of Z-axis	0.25μm	0.1μm	0.1μm	0.1μm
Plate dimension	230×230mm	290×290mm	330×330mm	Ø320mm
Accuracy of force	±0.1%FS			
Resolution of ADC	24bit			
Sampling frequency	5000Hz			
Vacuum supply	0.4~0.6MPa, flow rate: ≤15L/min			
Power supply	AC220V 50Hz, 2kW			
Dimension (L×W×H)	680×617×685mm	680×604×781mm	680×644×814mm	680×762×790mm
Weight	100kg	100kg	100kg	120kg

STANDARD DELIVERY

Main unit	1 pc
Control box	1 set
Computer	1 set
Software	1 set
Microscope	1 set
Mechanical clamping fixture	1 set

SPECIFICATION OF TEST MODULES (OPTIONAL)

Code	Application	Selectable load sub-ranges			
DTM-AWP100G	wire pull test	100g	50g	25g	10g
DTM-AWP1KG		1kg	500g	250g	100g
DTM-AWP5KG		5kg	2.5kg	1kg	500g
DTM-AWP10KG		10kg	5kg	2.5kg	1kg
DTM-AWP20KG*		20kg	10kg	5kg	2.5kg
DTM-ABS250G	shear test	250g	100g	50g	25g
DTM-ABS5KG		5kg	2.5kg	1kg	500g
DTM-ADS50KG		50kg	20kg	10kg	4kg
DTM-ADS100KG		100kg	50kg	20kg	10kg
DTM-ADS200KG*		200kg	100kg	40kg	20kg

OPTIONAL ACCESSORY

Shear calibration fixture (1: 1)	DTM-A-J1
Shear calibration fixture (1: 2)	DTM-A-J2
Shear calibration fixture (1: 40)	DTM-A-J40
Pull calibration fixture	DTM-A-JP
Camera	DTM-A-P1
Calibration weight	customized*
Pull hook	
Shear fixture	
Vacuum adsorption test fixture	
Vacuum pump	

*Can be customized according to test requirements