TECHNICAL SPECIFICATIONS

Machine Footprint:	D=723, W=475, H=722mm
Weight:	75 kg
Power Supply:	220v - 240 VAC, 50/60 Hz (100-120VAC Available)

COMPUTER

Computer Capability	Pentium III 700 Mhz 128 Mb RS232 Interface Network Online data transfer
Network configuration	LAN Adaptable
Operating System	Windows 2000
Printer	Optional Commercial Printer

SENSOR

Type of Test	Wire Pull / Ball & Die Shear
Touchdown Accuracy	+/- 0.1 micron linear encoder feedback
Transducer Range of Measurement	zero to 25 kgf, zero to 50 kgf & zero to 100 kgf
Transducer Flexible Full Scale (Can be scale to any lower F.S. for higher resolution and accuracy)	25 kgf (F.S range from 200 gmf to 25 kgf) 50kgf (F.S range from 200 gmf to 50 kgf) 100 kgf (F.S range from 200 gmf to 100 kgf)
Accuracy	+/- 0.2 percent of Selected Full Scale for Pull +/- 0.2 percent of Selected Full Scale for Ball Shear +/- 0.2 percent of Selected Full Scale for Die Shear
Calibration Method	Software Calibration Calibration is saved and recalled for test For Pull-Hanging Weights For Shear-By Calibration jig or push gauge

MOTION

Number of Axis	Multi axis: motorized X,Y,Z & Free rotation (vaccum workstage)
Motion Control	Joystick control, max 100 mm
Accuracy	zero backlash
Axis Force	Z>100kgf, Y>100kgf, X>50kgf
Motion Speed	Adjustable from 120 micron/s to 6000 micro/s
Effective Working Range	Y=100mm (Manually increased to 200 mm) X=100mm (manually increased to 200 mm) Z=100mm

STATISTICAL

Standard Statistical Data	Mean, Max, Min, CPK, Sigma
Print Out	Raw Date Report Alert Report
Chart	X/bar/Range Chart
Optional Advanced SPC Package	Build in DataLink SPC Software
- SPC Alert	Selectable Out of Specification Alert
- Out of Control Alerts	Out of Specification Alert Out of Control Alert Individual point below LSL Individual point below USL Number of points steadily increasing / decreasing Number of points above / below mean
Auto touchdown	Ball shear Die shear
Touchdown height setting	Programmable
Tool Protect	Ball/ Die/ Pull…Programmable
Auto Stop After Shear / Pull	Ball/ Die/ Pull…Programmable
Motion Speed	Programmable for X,Y Z
Motion Homing	Z Axis Auto Homing
Category Code	Programmable
Corrective Action Code	Programmable
Real-time Graph	Force vs. Distance
Configuration	Customizable

CHANGEOVER

Tool Change	Easy and fast tool change
Cartridge Module	Single Cartridge for Wire Pull & Ball Shear - test range up to 5 kgf Cartridge for Die Shear - test range up to 100 kgf

METHOLOGY

Principle	Piezoelectric Effect
Sensor	Active Quartz Crystal
Amplifier	High Resolution Charge Amplifier with Changeable Scaling