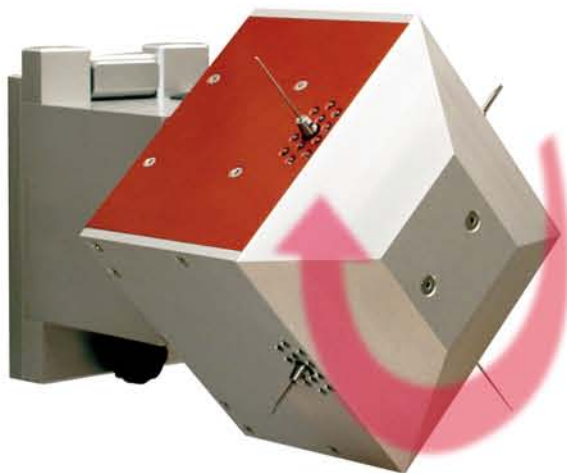


Multi Functional Bond Tester





XYZTEC

REVOLUTION IN

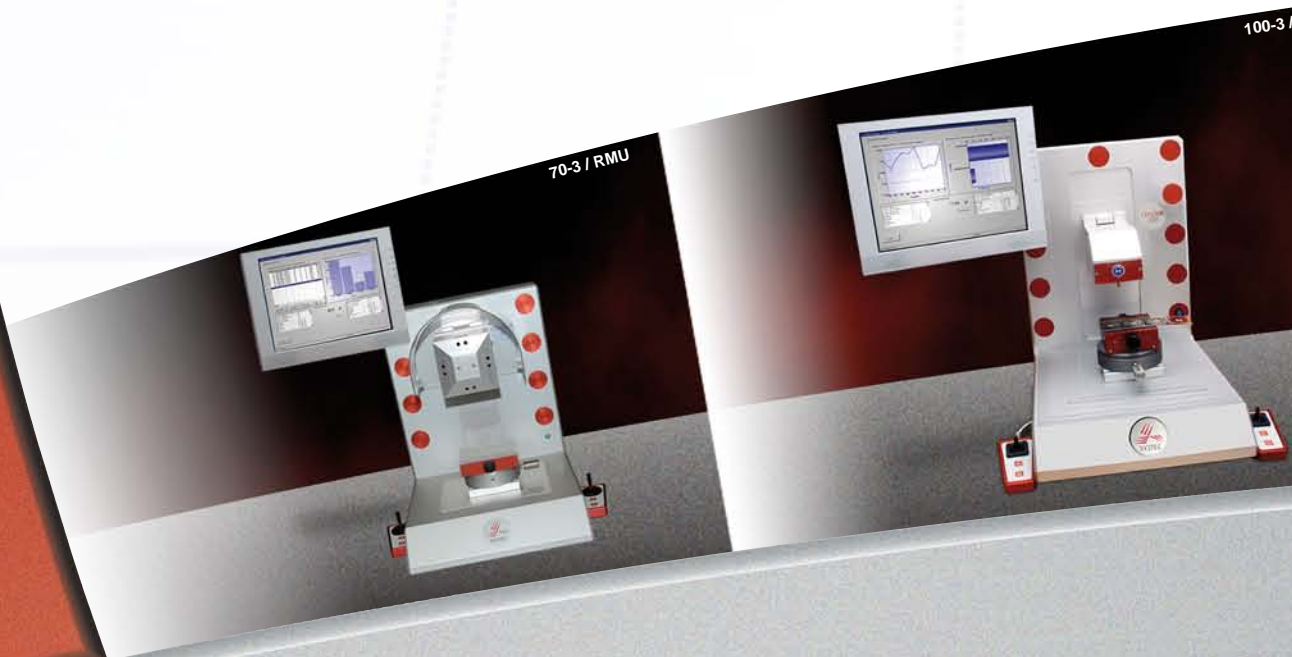
CONDOR

Multi Functional Bond Tester

Push, Pull and Shear test unit designed for your application.
Automatic selection of test tools and measurement sensors
by using a Revolving Measurement Unit (RMU).
High accuracy due to integrated 16 bits AD converter.
Operator does not have to change test tools or load cartridges.
Computer selects test tools and measurement sensors automatically.
Possibility to automatically execute various test types.
Measuring of X, Y, Z, XY, XZ, YZ, XYZ distances.
Advanced software features for Operator, Scientist,
Statistical Process Control and Calibration.
All Measurement Units, Hardware, PCB's, Software
and Accessories are interchangeable
within all Condor 70, 100 or 150 models.
Built in MSA-3 compliant calibration.

Revolving Measurement Unit

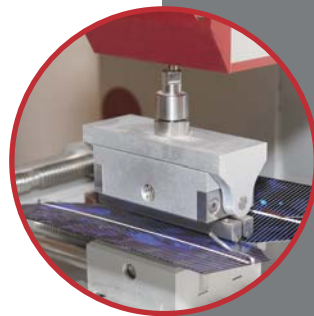
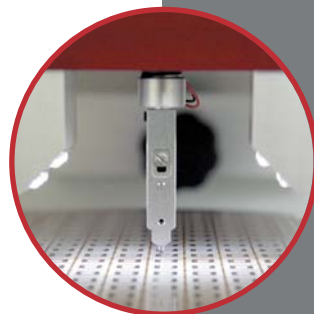
- Designed for Pull and Shear test up to 40 kg.
- Performing: Wire Pull, Tweezer Pull, Push/Break testing, Peel test, Ball Shear, Wedge Shear, Solder Ball Shear, Die Shear, Roller, Loop height, Probe, etc.
- Multiple (up to 4) sensors.
- Some examples of sensor configurations are: 2 Pull and 2 Shear, 1 Pull and 3 Shear, 1 Pull and 1 Shear.
- Software controlled electrical tweezers are optional.
- Using software to select 5 different ranges for each of the 4 measurement sensors.
- Software controlled Pull hook rotation.
- Wide range of tools available.
- Dimmable Cold Light source is integrated in the unit and switches on for the selected tool.





CONDOR

Multi Functional Bond Tester



BOND TESTING

Single Measurement Units

- Designed for Pull (PMU), Tweezer (TMU), Shear (SMU) and Stud pull (LMU).
- High maximum load up to 200 kg.
- Easy to exchange without use of tools.
- Vertical Stud pull in Z direction.

Innovative Mechanical Design

- Motorized X, Y stage for 70, 100 or 150 mm travel depends on model.
- Motorized Z stage 190 mm travel on all models.
- Controlled by two ergonomically designed joysticks.

- Multi functional system setup for right-hand or left-hand operator.
- Various accessories can be mounted by means of the mechanical interfaces in the frame.
- Various measurement units interchangeable on all Condor models.
- Optional CCD camera for documentation.
- Easy to mount various workholders.
- Fully digital interface for measurement units.

XYZTEC

PRECISION TECHNOLOGY

SMU

100-3 / RMU

150-3 / RMU



Application software

- Life time free of charge software updates.
- Database driven design.
- Multiple languages, user selectable.
- Monitoring test results over a network.
- Powerful module to search in the database.
- Full SPC with unlimited grouping levels.
- Programmable SPC rules and alerts.
- Compatible with Windows versions 95, 98, Millennium, Windows NT, Windows 2000, Windows XP and future versions.
- Customisable reports.
- Full support for correlation factor.
- Detailed visual measurement results and statistical information.
- Comprehensive statistical information for analysing the complete production process including different types of graphs that can be viewed on screen or printed in a report.
- Export data in other formats such as CSV and the Windows clipboard for use in other applications.
- Automation with automatic sensor change. Automation is optional for the Condor 70.

Specifications

Weight			
Condor 70	65 [kg]		
Condor 100	85 [kg]		
Condor 150	95 [kg]		
Dimensions	W [mm]	D [mm]	H [mm]
Condor 70	420	548	558
Condor 100	405	557	595
Condor 150	550	582	595
Axis - Travel	X [mm]	Y [mm]	Z [mm]
Condor 70-1	-	-	190
Condor 70-3	70	70	190
Condor 100-3	100	100	190
Condor 150-3	150	150	190
Axis - Standard Resolution	X [micron]	Y [micron]	Z [micron]
Condor 70-1	-	-	1.00
Condor 70-3	1.00	1.00	1.00
Condor 100-3	0.25	0.25	1.00
Condor 150-3	0.25	0.25	1.00
Axis - Standard Speed	X [mm/s]	Y [mm/s]	Z [mm/s]
Condor 70-1	-	-	8
Condor 70-3	8	8	8
Condor 100-3	2.5	2.5	10
Condor 150-3	2.5	2.5	10
Axis - Standard Maximum Force	X [kg]	Y [kg]	Z [kg]
Condor 70-1	-	-	40
Condor 70-3	40	40	40
Condor 100-3	200	200	100
Condor 150-3	200	200	100
Measuring Sensors			
Nominal force	200 [g] / 2000 [g] / 10 [kg] / 200 [kg]		
Accuracy	0.1 %		
Additional Specifications			
Connection	Centronics		
Power Supply	Single Phase Earthed (PNE); 85-264 [Vac]; 47-63 [Hz]; 100W		
Certification	European CE Regulations, EN 61010, MIL STD 883, ASTM, JEDEC, DVS 2811		
Optional: selection of motortypes for Condor 100/150 for different axis speed, resolution or maximum force. Specifications may change without prior notification.			

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