

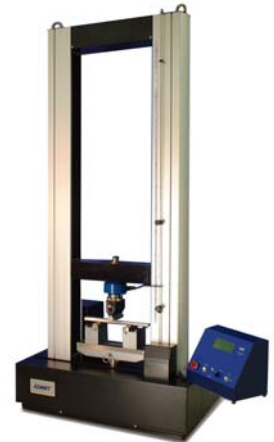
# eXpert 26xx Universal Testing Machines

**Twin screw electro-mechanical frames robustly designed for higher capacity testing with performance features that exceed your expectations!**



eXpert 2653 50kN floor standing UTM

The ADMET eXpert 26xx series dual column universal testers are designed for users who want the power of a full-size system and the versatility to test materials, components and structures. Offered as bench top testers with capacities to 50kN and floor standing models with capacities to 200kN, the eXpert 26xx series machines tackle the toughest tests with their superior axial alignment, stiffness and crosshead guidance. The ADMET floor standing models feature wide column spacings to accommodate larger grips and fixtures, temperature chambers, special test fixtures and full-size parts. Equipped with a powerful digital closed-loop controller and display for QC/production applications, the eXpert 26xx machines are affordable, and are easy to learn and apply. For more demanding applications, ADMET's popular MTESTQuattro<sup>®</sup> Materials Testing System can be provided for greater productivity and testing power.



eXpert 2613 50kN table top UTM

- Bench top models from 2kN to 50kN provide the flexibility to test biomaterials, wire, textiles, packaging, elastomers, plastics, films, foils and other materials with confidence.
- Floor Standing Models from 50kN to 200kN accommodate larger specimens and fixturing. With a variety of grips and fixtures, all eXpert machines are capable of performing tests in compression, tension and flexure.

**ADMET Testing Systems - Backed by superior engineering and a willingness to tailor a system to meet your testing needs.**



eXpert 2610 5kN with 10Nm torsion actuator for biaxial testing

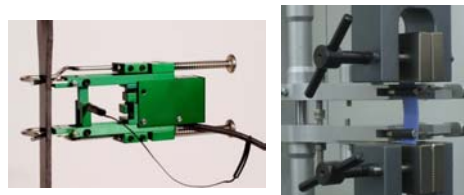
A leading rope manufacturer approached ADMET about their need for a machine to test their high elongation ropes. ADMET did not have a standard machine that met their crosshead travel requirements, so our engineering group quickly modified an existing design to meet their needs. The result was a 15,000 LB capacity machine with an additional 24 inches of crosshead travel produced on-time and at an affordable price.



eXpert 2653 50kN extended column

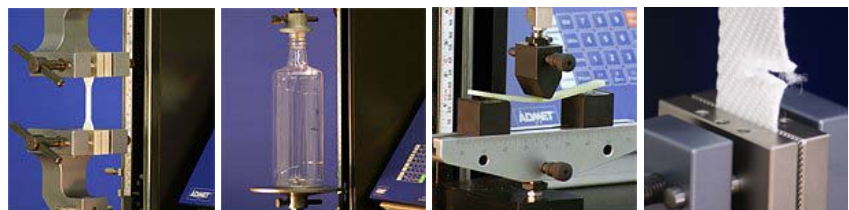
**Biaxial Test Systems** - A medical device company wanted to twist their plastic specimens as they pulled them in tension. ADMET fitted a torsional actuator in the moving crosshead and a biaxial tension/torsion cell in the base. The customer was then able to record axial force, axial displacement, torque and angle of twist.

**Extensometers** and strain measuring for metals, plastics or other high elongation materials.



Connect to the Precise Controller or the MTESTQuattro<sup>®</sup> Materials Testing System and perform tests to standards such as ASTM E8, E517 and E646, D412, D638, D790, D882, ISO 6892 and 10275, and EN 10002 Part 1 and 10130.

**Grips and Fixtures** for all your materials and product testing needs.



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**Test with Certainty. Test with ADMET.**



## eXpert 26xx Specifications

Model		2608 Table Top	2610 Table Top	2611 Table Top	2612 Table Top	2613 Table Top	2653 Floor	2654 Floor	2655 Floor	2656 Floor
Load Capacity	lbf	450	1,125	2,250	5,625	11,250	11,250	22,500	33,750	45,000
	kN	2	5	10	25	50	50	100	150	200
	kgf	200	500	1,000	2,500	5,000	5,000	10,000	15,000	20,000
Maximum Speed	in/min	100	40	40	20	20	20	20	20	20
	mm/min	2,540	1,016	1,016	508	508	508	508	508	508
Minimum Speed	in/min	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	mm/min	0.005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Maximum Force at Full Speed	lbf	450	1,125	1,125	5,000	10,000	10,000	20,000	30,000	45,000
	kN	2	5	5	25	50	50	100	150	200
Position Control Resolution	uin	3.75	3.75	3.75	3.75	0.56	0.56	0.56	0.56	0.56
	um	0.095	0.095	0.095	0.095	0.014	0.014	0.014	0.014	0.014
Total Crosshead Travel <sup>1</sup>	in	48	48	48	48	45	46	45	44	44
	mm	1,219	1,219	1,219	1,219	1,143	1,168	1,143	1,117	1,117
Total Vertical Test Space <sup>2</sup>	in	53	53	53	53	51	51	50	49	49
	mm	1,346	1,346	1,346	1,346	1,295	1,295	1,270	1,244	1,244
Lateral Test Space	in	--	--	--	--	--	--	--	--	--
	mm	--	--	--	--	--	--	--	--	--
Space Between Columns	in	16.8	16.8	16.8	16.8	16.8	22	22	22	22
	mm	425	425	425	425	425	558	558	558	558
Height	in	70	70	70	70	76	84	84	84	89
	mm	1,778	1,778	1,778	1,778	1,930	2,133	2,133	2,133	2,261
Width (Frame Only)	in	34	34	34	34	34	41	41	41	41
	mm	864	864	864	864	864	1,041	1,041	1,041	1,041
Depth	in	22.25	22.25	22.25	22.25	22.25	23	23	23	23
	mm	514	514	514	514	514	584	584	584	584
Weight	lbf	330	330	330	600	600	1,600	1,800	2,000	2,200
	kgf	150	150	150	275	275	730	820	910	1,000
Maximum Power	VA	300	300	300	500	800	800	1,400	2,000	3,000
Single Phase Voltage	VAC	110,220	110,220	110,220	110,220	110,220	110,220	110,220	220	220 1or 3 ph
	Hz	50,60	50,60	50,60	50,60	50,60	50,60	50,60	50,60	50,60

### Notes:

- Total Crosshead Travel is calculated without load cells, grips and fixtures. Longer strokes can be accommodated by ordering an extended column frame.
- Total Vertical Test Space is the distance from the top surface of the base platen to the bottom surface of the moving crosshead, excluding load cell, grips and fixtures. Larger openings can be accommodated by ordering an extended column frame.

**Load Measurement Accuracy:** +/- 0.5% of reading down to 1/100 of load cell capacity. Meets or exceeds ASTM E4, BSENISO7500-1 : 2004, DIN 51221 and JIS B7721 standards. ADMET self-identifying load cells are offered with all systems.

**Strain Measurement Accuracy:** +/- 0.5% of reading down to 1/50 of full scale with ASTM E83 class B extensometers. Meets or exceeds ASTM E83 and BSENISO9513 : 2002 standards.

**Training and Service** - ADMET testing systems are easy to learn and use. Our software is intuitive and effective. We provide 2 hours of free on line training and if you desire, we will provide additional on-site training. In addition, our manuals, tutorials, and trouble shooting guides are an excellent resource that we update regularly. We also offer free phone, email and product support over the internet for the life of the product. This is in contrast to many of our competitors who require that you pay for training before you are even eligible for phone and email support. ADMET's on-site service and calibration team includes over 100 individuals in over 40 locations in the USA.

**Calibration**- Customers who wish to mainstream calibration in their laboratories or production plants can setup calibration contracts with ADMET. These contracts offer automatic calibration services based upon each customer's required calibration interval. This automation reduces paperwork, scheduling problems and leaves you in a better frame of mind when it comes to knowing that your calibration needs will always be met. You will never have to worry about equipment that may have been overlooked for calibration, especially during an audit. All services are A2LA accredited and meet the ISO/IEC Guide 17025 and ANSI/NCSL Z540-1 requirements.