

eXpert 2600 Series®

Dual Column Universal Testing Systems



Versatile High-Force Testing Up To 600 kN

ADMET eXpert 2600 is a versatile dual column electromechanical universal testing machine built for QA, R&D, and production teams who need reliable **tensile, compression, and flexural testing on plastic, metal, and composite samples**. Available in table-top or floor-standing configurations **from 5 to 600 kN**, eXpert 2600 machines deliver high-force performance with **excellent alignment, stiffness, and crosshead guidance**—ideal for general-purpose production testing and application-specific workflows.

eXpert 261X

table-top testing systems for flexible lab operations



eXpert 265X

floor-standing systems for heavy-duty applications



System Highlights

Exceptional Versatility: Test large and high-strength materials like metal, composite, and plastic without compromising performance on low-strength samples. High-temperature options also available.

Best-in-Class Test Space: Designed to enable testing for any sample size or shape, the 2600 has vertical and horizontal test space specs competitive with any other dual column testing system on the market. Custom extended height and width options are also available upon request.

Designed with Safety In Mind: Built with dependable hardware, protective shielding, and other built-in safeguards, the 2600 series delivers safe and consistent performance in busy lab environments.

System Specifications

MODEL		2610 <i>Table-Top</i>	2611 <i>Table-Top</i>	2612 <i>Table-Top</i>	2613 <i>Table-Top</i>	2614 <i>Table-Top</i>	2653 <i>Floor-Standing</i>	2654 <i>Floor-Standing</i>	2655 <i>Floor-Standing</i>	2656 <i>Floor-Standing</i>	2657 <i>Floor-Standing</i>	2658 <i>Floor-Standing</i>	2659 <i>Floor-Standing</i>
Load Capacity	<i>lbf</i>	1,125	2,250	5,620	11,250	22,500	11,250	22,500	33,750	56,250	67,500	90,000	137,000
	<i>kN</i>	5	10	25	50	100	50	100	150	250	300	400	600
	<i>kgf</i>	510	1,020	2,550	5,100	10,200	5,100	10,200	15,300	25,500	30,600	40,900	62,200
Maximum Speed	<i>in/min</i>	40	40	20	20	20	20	20	20	20	20	20	20
	<i>mm/min</i>	1,016	1,016	508	508	508	508	508	508	508	508	508	508
Minimum Speed	<i>Lbf</i>	0.0001	0.001	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002
	<i>kN</i>	0.0025	0.0025	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005
Maximum Force at Full Speed	<i>In</i>	1,125	2,250	5,625	11,250	22,500	11,250	22,500	33,750	56,250	67,500	90,000	137,000
	<i>mm</i>	5	10	25	50	100	50	100	150	250	300	400	600
Total Crosshead Travel	<i>In</i>	48	48	46	46	46	43	42	42	45	64	50	47
	<i>mm</i>	1,220	1,220	1,170	1,170	1,170	1,190	1,070	1,070	1,140	1,625	1,270	1,194
Total Vertical Test Space	<i>In</i>	54	54	52	52	52	49	48	48	54.5	74	59	60
	<i>mm</i>	1,370	1,370	1,320	1,320	1,320	1,240	1,220	1,220	1,310	1,879	1,500	1,520
Space Between Columns	<i>In</i>	16.8	16.8	16.8	16.8	16.8	22	22	22	22.63	25	22.63	22.63
	<i>mm</i>	427	427	427	427	427	559	559	559	575	635	575	575
Height	<i>In</i>	71	71	71	71	71	85	85	85	85	100	85	110
	<i>mm</i>	1,800	1,800	1,800	1,800	1,800	2,160	2,160	2,160	2,160	2,540	2,160	2,794
Width (Frame Only)	<i>In</i>	34	34	34	34	34	41	41	41	43	50	50	55
	<i>mm</i>	860	860	860	860	860	1,040	1,040	1,040	1,090	1,270	1,270	1,397
Depth	<i>In</i>	20.5	20.5	20.5	20.5	20.5	23	23	23	25	37	37	38
	<i>mm</i>	520	520	520	520	520	580	580	580	640	940	940	965
Weight	<i>Lb</i>	330	330	330	350	425	1,600	1,600	2,000	2,500	3,700	3,900	4,400
	<i>kg</i>	150	150	150	160	195	730	730	910	1,150	1,680	1,770	1,957

1: Total crosshead travel is calculated without load cells, grips and fixtures. Longer strokes can be provided upon request, and extended column options add additional elongation beyond specs above.

2: Total vertical test space is the distance from top surface of base platen to bottom surface of moving crosshead, excluding load cell, grips and fixtures. Larger openings can be accommodated upon request.

Measurement Performance – ADMET offers best-in-class accuracies for repeatable and reliable testing



Load Measurement Accuracy: +/- 0.5% of reading down to 1/500 of load cell capacity. Meets or exceeds ASTM E4, BS/EN/ISO 7500-1: 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 BS/EN/ISO 9513:2002 standards.



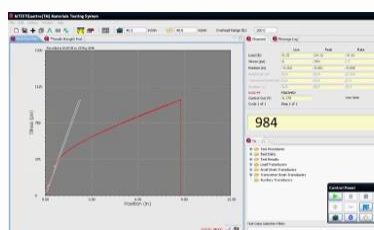
Crosshead Position Accuracy: The greater of +/- 0.01mm or +/- 0.05% of displacement.



Test Control and Software Options

All ADMET Testing Machines can be equipped with one of two closed loop servo controllers. **MTESTQuattro®**, our most advanced testing system, is a PC-based unit that offers a wide range of flexibility in control, data acquisition, analysis, and reporting. The **eP2 Digital Controller**, a standalone touch panel unit, offers a balance between performance and simplicity. Both controllers feature 8 kHz servo update periods and programmable log rates to 1 kHz.

MTESTQuattro® Controller and Software



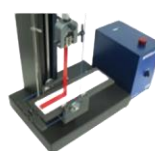
eP2 Digital Controller



Interface	MTESTQuattro® (Windows Software)	eP2 (Touch Panel Controller)
Analysis	Extensive calculations library with built-in ASTM/ISO/EN specification analysis.	Standard calculation package for basic testing requirements and QC testing.
Test Methods	Use built-in or create an unlimited number of simple to complex test procedures.	Save up to six test procedures in eP2.
Reporting	Store and organize all data. View and print user customizable test reports with chart and tables.	Post test, view results on eP2 screen and send data to PC for reporting using optional GaugeSafe Software.

Accessories - Grips, environmental chambers, extensometers, baths, cutting tools and more

Systems can be equipped with a variety of grips, fixtures, environmental chambers and temperature-controlled baths to accommodate a wide range of testing requirements. For more accurate strain measurements, extensometers or deflectometers can be added to any ADMET Testing System.



Service and Training

ADMET strives to make its materials testing products powerful and easy-to-use. Free technical support is standard with the purchase of any ADMET product. We also offer an array of services to help you use your ADMET system to its fullest potential.

Available Services

- ✓ On-site installation and training.
- ✓ Custom analysis and report generation.
- ✓ Creation of, or connectivity to, your in-house database program.
- ✓ Online training with WebEx.
- ✓ On-Site ISO/IEC 17025:2017 Calibration Services.
- ✓ Preventative Maintenance Planning.
- ✓ Install, Operational Qualification (IQ/OQ) Documentation.

ISO/IEC 17025:2017 On-Site Calibration Services

ADMET provides a full range of calibration and maintenance services designed to fit your needs and budget. Our in-house calibration and service team has deep, hands-on knowledge of ADMET systems and is equipped to support you in any situation. Customers who require accredited calibrations in their laboratories or production facilities can establish calibration contracts with ADMET, ensuring automatic service at customer-defined calibration intervals. Proven maintenance programs help minimize downtime on production testing equipment, and each contract can be customized to match your specific equipment and operational requirements.

As a matter of course, we provide all calibration passwords to you at the time of your instrument or machine purchase. This enables you to choose who performs calibration and maintenance on your systems.

ASTM Calibration Standards offered:

- ASTM E4 – Tension/Compression Force Verification
- ASTM E2309 – Crosshead Displacement Verification
- ASTM E2658 – Crosshead Speed Calibration
- ASTM E83 – Extensometer Verification and Classification
- ASTM E2624 – Torque Calibration



Submit An Inquiry At:
calibration@admet.com



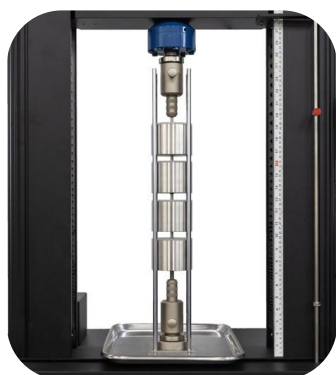
Application Gallery: eXpert 2600 Series



ASTM D638 Tension Testing
of Plastics



ASTM D198 Flexural Test
of Lumber



ASTM F519 Hydrogen
Embrittlement Test



ASTM C1609 Flexure Testing of
Fiber Reinforced Concrete



All ADMET systems and software are designed,
engineered, and manufactured in the United
States.

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Test with Certainty.

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