

CubeTen

Automated Plastic
Tensile Testing



[LABSCUBED]

www.labscubed.com

Automated Tensile Testing for Plastics

Elevate your laboratory's capabilities with the CubeTen—where automation meets consistency. Experience the future of tensile testing today.

≡ **40%** | More Consistent

≡ **95%** | Recovered Time



Recover Lab Time

Maximize efficiency with the CubeTen, saving up to 95% of your team's time for higher-value tasks.



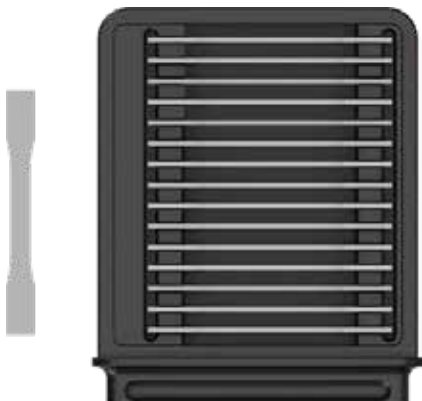
Optimize Your Lab

Maximize ROI while accelerating lab results and optimizing technician time.



Ensure Data Consistency

Automate testing results in up to 40% increased consistency, proven by extensive studies.



Our machine effortlessly handles **ASTM D638, ISO 527, DIN, JIS**, and more, ensuring seamless compatibility for all your testing needs.

Which Samples Can CubeTen Test

The CubeTen machine is expertly engineered to handle a wide range of testing standards, including tensile tests for **ASTM D638, ISO 527, DIN, and JIS**.

Additionally, the machine can be customized to perform adhesive tests like single lap shear and T-peel, ensuring versatility and compatibility based on your specific testing needs.



Load up to **15 tensile samples**, allowing you to **mix compounds and materials** as needed for diverse testing requirements.

How CubeTen Works in 3 Simple Steps

Easily perform tensile tests: Load, configure, press start. Done.

1



Simply load up to 15 tensile samples, with your choice of mixed compounds and different materials.

2



Utilize the touchscreen to effortlessly input compound names and begin testing with just a touch.

3



After testing, easily review your data in your own database or through our portal, including the machine touchscreen and cloud access.

Inside CubeTen: Key Components & Features

Key features and performance criteria of our advanced tensile testing equipment.



Weight

250lbs (115kgs)

Force (Omega Load Cell)

Up to 10kN

Elongation

Up to 1000%

Tensile Sample Types



ASTM D638

Type 1

Type 2

Type 4

ISO 527-2

Type 1A

Type 1B

For other sample types,
customization may be required.
Contact us to verify compatibility.

Why CubeTen Is the Future of Automated Tensile Testing



Automated Thickness and Width

We've designed our automated tensile machine to be effortlessly user-friendly. By automating the measurement of thickness and width, we've streamlined a crucial step in the testing process.



Cross Head Displacement

Each machine is equipped with a precision-built system to accurately measure cross head displacement, meticulously calibrated to meet the rigorous standards set by ASTM.



Automated Physical Extensometer

The CubeTen, paired with our highly accurate and tuned automated extensometer, delivers consistent and repeatable strain data for all materials.



Video Extensometer

Our automated tensile machine uses a video extensometer for precise, non-contact strain measurement, ensuring accurate results without sample damage.

Install & Run Tests in 3 Simple Steps

Set up and run tensile tests effortlessly. Just load your sample, configure the settings, and press start—quick, simple, and efficient.

1



Once your CubeTen arrives at your facility, place it onto a sturdy bench in your desired workspace.

2



Simply plug the machine into any standard power outlet worldwide. Only one regular outlet is required.

3



Easily adjust functions and settings on the touchscreen interface—then simply press Start to experience the power of automated tensile testing in action.

Need Help with Calibration & Maintenance?

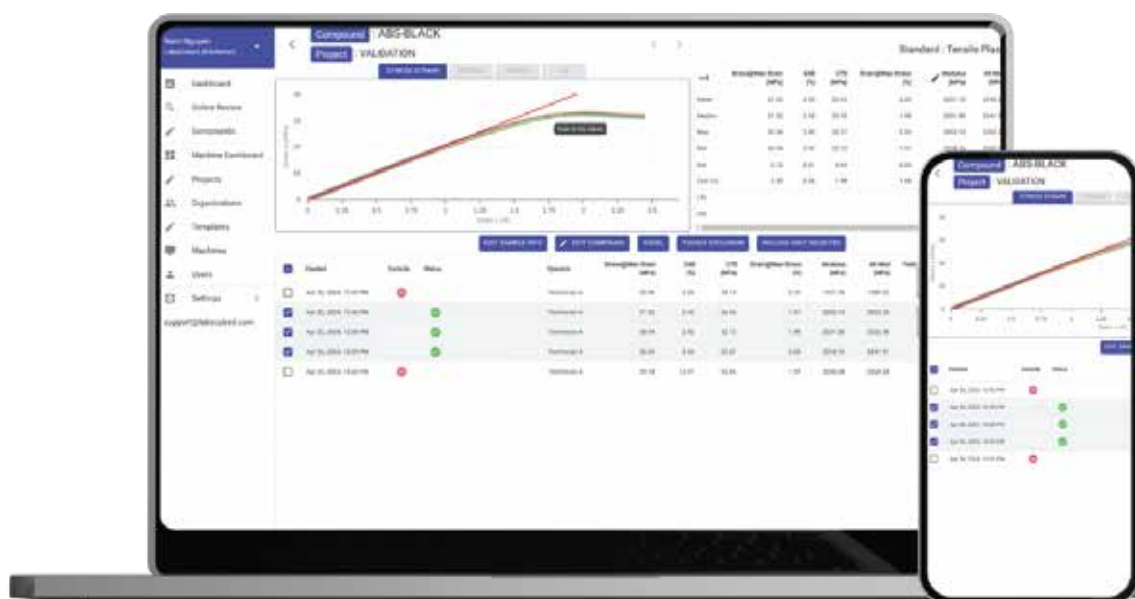
At LabsCubed, we ensure your CubeTen runs smoothly with prompt remote support to minimize downtime.

For more complex issues, our technicians provide in-person service, using remote diagnostics to assess equipment and arrive fully prepared.

We also offer annual calibration services to maintain ASTM standards, ensuring peak equipment performance tailored to your schedule.

Simple Data Visualization

We offer multiple options for accessing your data post-testing with CubeTen, including cloud storage and full integration into your existing systems. Data can be easily accessed and visualized through your own database or via our portal. Our capable software team ensures seamless compatibility with tools like **Alpha Workbench, Uncountable, SAP,** and more.



Ready to Transform Your Lab?

Contact us today to see how CubeTen can optimize your testing process, improve data consistency, and boost efficiency.



Contact us to learn more or get a quote:

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