

BUILDING & CONSTRUCTION

PLANO, TX ACQUIRES A UNIVERSAL TESTING MACHINE

Intertek is pleased to announce that we are now offering Universal Testing Machine capabilities in our Plano, TX lab.

What is it?

The Universal Testing Machine is used on a range of materials for tensile, compression and flexural testing. Tensile testing, also commonly known as tension testing is when a material is pulled to find its maximum strength and to see how much the material elongates.

Common Tensile Test Materials:

- Metals
- Plastics
- Sealants

Compression testing determines performance of materials under crushing loads. Compressive stress and strain are both calculated to determine elastic limit, proportional limit, yield point, yield strength and compressive strength.

Common Compression Test Materials:

- Concrete
- Metals
- Plastics
- Ceramics

- Composites
- Corrugated
- Cardboard

Flexure testing measures the performance of materials subjected to simple beam loading. Both maximum fiber stress and maximum strain are calculated and plotted in a stress-strain diagram. Flexural strength is the maximum stress in the outermost fiber.

Common Flexure Testing Materials:

- Polymers
- Wood and Composites
- Brittle Materials

Why do we use a Universal Testing Machine?

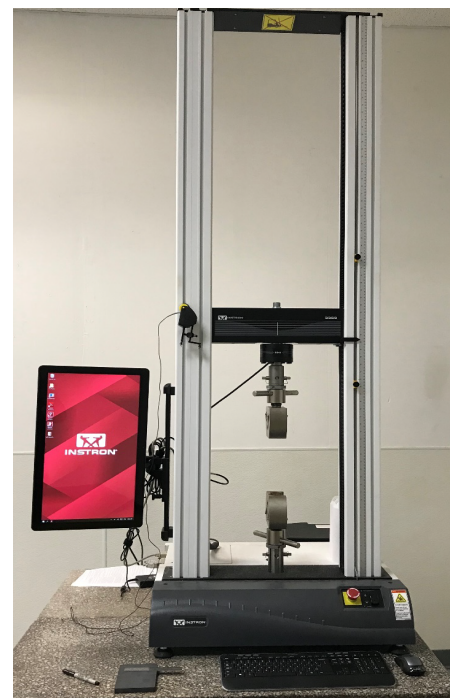
It is used for:

- ASTM E8
- ASTM D790
- ASTM D6109
- ASTM D695
- ASTM D638

We also use this testing for governing agency specifications and verifying metal and plastics properties for product use.

The Plano, TX Intertek lab acquired a Universal Testing Machine as the first service offering of our new regional

Materials Testing Laboratory. With this addition, product and material testing in one single test plan can be performed in house rather than outsourcing portions to other labs, making things easier, quicker and less expensive for our customers.



FOR MORE INFORMATION

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 [intertek.com/building](https://www.intertek.com/building)

"We are excited to add a Universal Testing Machine to the scope of services at our Plano facility. Having this addition, allows our clients to get even more testing done in one lab, making us an even more convenient single source testing provider."

-John Waskow
Operations Manager

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