

TruForce

Flexural Test Machine | TF-ETM105ZZ | 100kN

TruForce TF-ETM 105 Flextural Testing Machine is designed to perform flexural and compression tests on concrete beam or other construction materials.

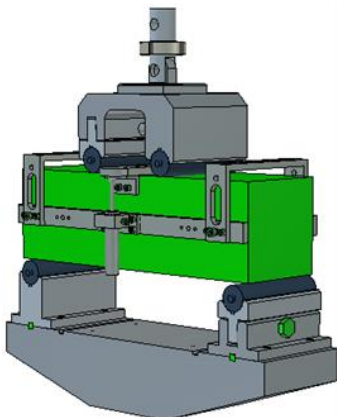
Typical specimens: Concrete beam, building components, etc

Advanced features

- Servo motor driven lead screws and heavy duty bearings provides high stiffness with high reliability and stability
- Photoelectrical encoder built in servo motor system is for position measurement of crosshead
- Built-in high precision load cell ensures direct measurement of compression force
- Dual action over-travel limits on all frames provide the highest level of safety and meet all international standards
- DTC-500 controller provides high speed data acquisition with 8-CH A/D converting



100kN

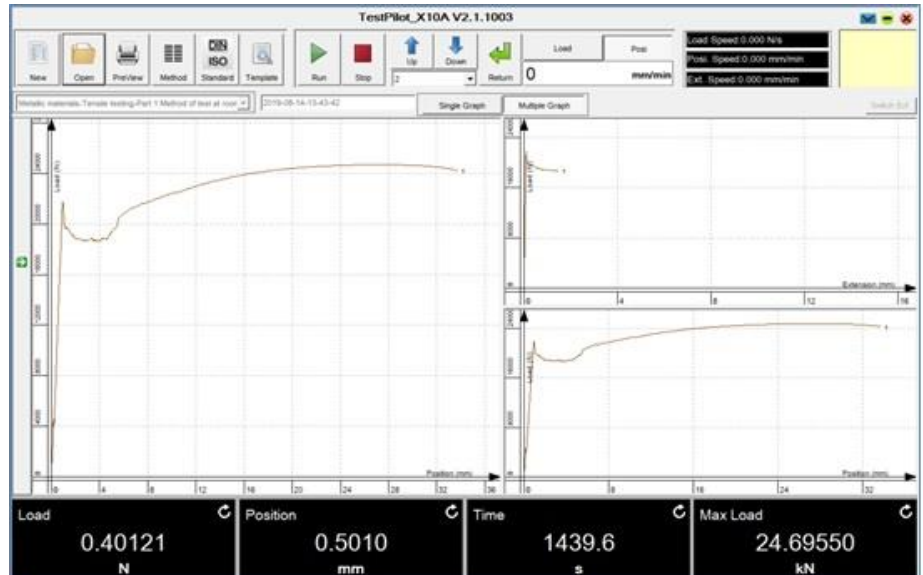


Specifications

Model	TF-ETM105ZZ
Maximum force	100kN
Accuracy	Class 1
Force range	0.2%~100%FS
Columns	2
Distance between columns	300mm
Force resolution	1/500000 of max force
Force accuracy	±1% of reading
Force rate range	0.02-5% FS/s
Force rate accuracy	±1.0% of set value
Maximum travel	100mm
Maximum speed	50mm/min
Motor power consumption	1.5kW
Frame dimension	1230*700*1650mm
Power requirements	415V/50HZ
Weight	1100kg
Distance between upper and lower fixture	180mm
Span of upper fixture	150mm/100mm Can be customized
Span of lower fixture	450mm/300mm Can be customized
Length of support roller	160mm
Diameter of support roller	Φ30mm

Versatile TruTest Software

This software features a large, growing host of pre-packaged test methods to help you quickly and efficiently meet the requirements of global test standards such as ASTM, ISO, DIN, EN, BS, and more. Selected by an operator at runtime, these methods are crafted to meet the specific test flow, analysis and reporting requirements of industry standards across a range of specimen and test types. Pre-packaged test methods are available in a wide selection of bundled sets, including: Polymers & Plastics, Metals, Construction Materials, Biomedical Products, Paper Products, Adhesives, foam, textiles and more.



- Versatile, easy-to-use TruTest software with a large and growing library of standards-compliant test methods (ASTM, ISO, DIN, EN, BS, and more)
- Modular design permits easy upgrading
- Plenty of test standards are built in the library of the software for routine tests.
- User configured report: user can preset report template and include necessary information, like company information, statistics, and etc. Test report can export to Excel or Word.
- Powerful graphic function: real time display curves, like displacement-load, stress-strain, displacement-time, load-times, and others
- Powerful analysis function can calculate typical value and display on the curve, like Fm, ReL, ReH, Rp.
- Measurement unit: Users can select SI, or others, like N, kN, kgf, lbf, MPa, and so on, user can define the unit by themselves using formula.



Modular design is simple for operation and upgrading