

DF Series

Universal Testing Machine



SINOTEST

Leader of the Chinese Testing Machine
The Top One Manufacture of Testing Machines





For over 64 years, SINOTEST has been widely recognized as a highly competitive brand for the development and production of testing machines in China. Our testing machine and systems are designed by China's the most professional testing machine R&D team, vetted by active members of major standards organizations and supported by professional and experienced service technicians. This comprehensive approach allows us to back each SINOTEST machine with a reassuring pre-sales and post-sales guarantee and support it through its lifetime.



600+ employees
A highly-educated
experienced R&D Team



Muti-language operating
system available



Hundreds of Accessories.
Customization available.



64+ years of engineering
and manufacturing testing
machines



Can be widely used
in various industries

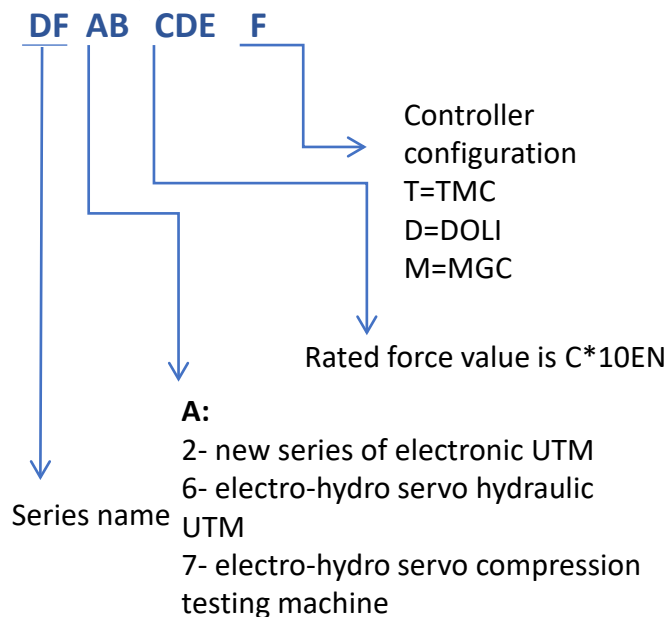
DF Series Electronic Universal Testing Machine

Application-based Testing Solutions ranging from 0.1 kN to 600kN.

Our DF-series can be applied to various occasions with extraordinary performance and stability. This legendary series has been widely affirmed by our customers all over the world.

Nowadays, so wide application the DF series UTMs cover that it is competent for a large number of routine static experiments, including tensile, compressing, bending, shearing, etc.

Naming Rule



Small Capacity Electronic UTM

Application-based Testing Solutions 0.5 ~ 50kN for Low Force Applications

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DF21 Series Single Column Table Type UTM

- Mini body with a small footprint;
- Highly accurate; suitable for material tests with academic purposes, laboratories, universities and institutes, High-end material R&D companies
- Suitable for tensile/compression test of fabrics, rubber, plastics, fiber, biological materials, medical materials, metal, etc.
- high-quality; cost-effective; space-saving



Small Capacity Electronic UTM

Application-based Testing Solutions 20~50kN for Low Force Applications

DF22 Series Table Type Universal Testing Machines

Dual column with single testing space



- For higher force applications, the DF22 dual column table type series provides up to 50kN capacity.
- Highly accurate; suitable for material tests with academic purposes, laboratories, universities and institutes, High-end material R&D companies, etc.
- Adopting Japanese YASAKAWA AC servo motor, high speed, low vibration, world-class.
- Suitable for testing plastics, metals, wires, composites, elastomers, wood products, textiles, biomaterials, paper products, adhesives, foams, etc.



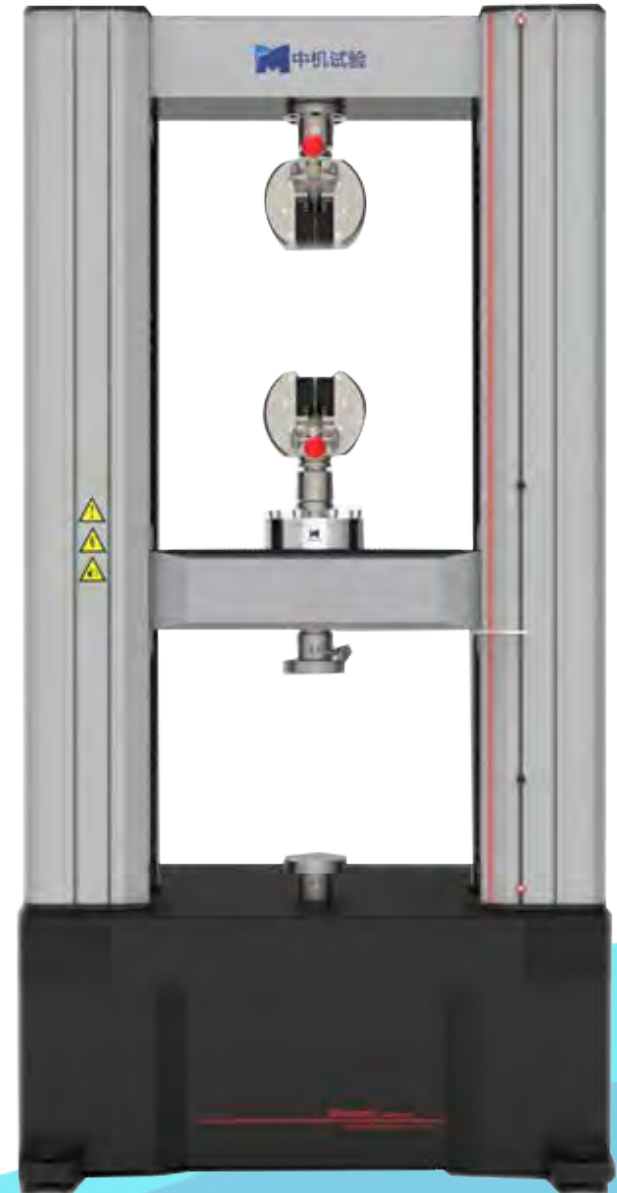
Middle Capacity Electronic UTM

Application-based Testing Solutions 50kN~600kN for Middle Force Applications

DF23 Series Floor Type Universal Testing Machines

Dual column with double testing space

- For higher force applications, the DF13 dual column table model series provides up to 1000kN capacity available in standard and extra height/width options.
- The DF23 Series UTMs are designed to perform tensile, compression, flex, peel, puncture, friction, shear tests, and more. The systems are compatible with hundreds of grips and fixtures found in SINOTEST's expansive accessories catalog, with specific configurations designed to perform many of the most popular ASTM and ISO tests.
- The DF23 Series UTMs are suitable for testing



Large Capacity Hydraulic UTM

Application-based Testing Solutions 50kN~3000kN for Large Force Applications

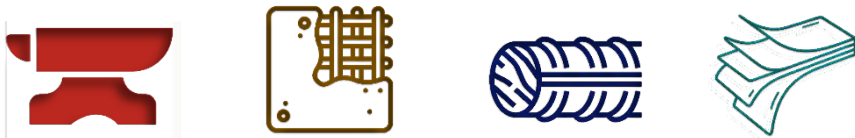


- The DF Series Hydraulic Universal Testing Machines offer a comprehensive range of solutions for precise and efficient material testing. With advanced hydraulic technology and high-quality construction, the DF Series ensures accurate measurement, reliable performance, and long-term durability. Choose the DF Series for versatile testing capabilities, user-friendly software, and exceptional reliability.
- Experience the precision, versatility, and reliability of our DF Series Hydraulic Universal Testing Machines. Contact us at [Contact Information] for more details.

DF61 Series Table Type Universal Testing Machines

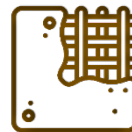
Hydraulic Power with Exceptional Accuracy.

- **Precision and Accuracy:** The DF61 Series hydraulic UTM is engineered for exceptional precision, delivering accurate and reliable results for a wide range of material testing applications.
- **Sturdy Frame Design:** With high frame stiffness, the DF61 Series ensures stability and rigidity during testing, allowing for precise control and consistent performance.
- **Low-Noise Hydraulic Power Unit:** The DF61 Series is equipped with a low-noise hydraulic power unit, providing smooth and quiet operation while maintaining optimal power and performance.
- **Versatile Capacity Range:** Offering a capacity ranging from 300kN to 2000kN, the DF61 Series can handle a wide range of testing requirements, accommodating various materials, including metals, composites, plastics, and more.





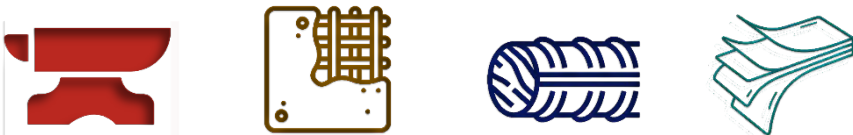
- Precision and Accuracy: The DF62 and DF63 Series hydraulic UTMs are designed to deliver precise and accurate results for a wide range of material testing applications.
- Top Mounted Actuator: With a top-mounted actuator design, the DF62 and DF63 Series offer enhanced flexibility and accessibility during testing, allowing for easy specimen loading and positioning.
- Wedge Grip (DF62) or Side Action Grip (DF63): The DF62 Series is equipped with a wedge grip for secure and reliable gripping of specimens, while the DF63 Series features a side action grip for efficient and convenient specimen handling.
- Versatile Capacity Range: Available in various capacity options, ranging from [capacity range], the DF62 and DF63 Series can accommodate a wide range of testing requirements for different materials, including metals, composites, plastics, and more.



DF71 Series Table Type Universal Testing Machines

Compact Design, High Capacity

- **Compact Design:** The DF71 Series compression testing machine features a compact design, making it suitable for applications where space is limited.
- **High Capacity:** Despite its small footprint, the DF71 Series offers impressive capacity, allowing for reliable and efficient compression testing of various materials.
- **Reliable Performance:** Built with robust construction and high-quality components, the DF71 Series ensures dependable and consistent performance, delivering accurate results.
- **Compression Testing:** Designed specifically for compression testing applications, the DF71 Series is well-suited for a wide range of industries and materials, providing precise measurement and analysis of compressive strength.



Software

Lifelong support and free upgrades for continuous access to the latest enhancements.

Our in-house developed software ensures secure, reliable, and user-friendly interfaces.

Benefit from practical features tailored for safety and repetitive testing, such as automated data capture and customizable parameters.



Various Accessories For your diverse needs

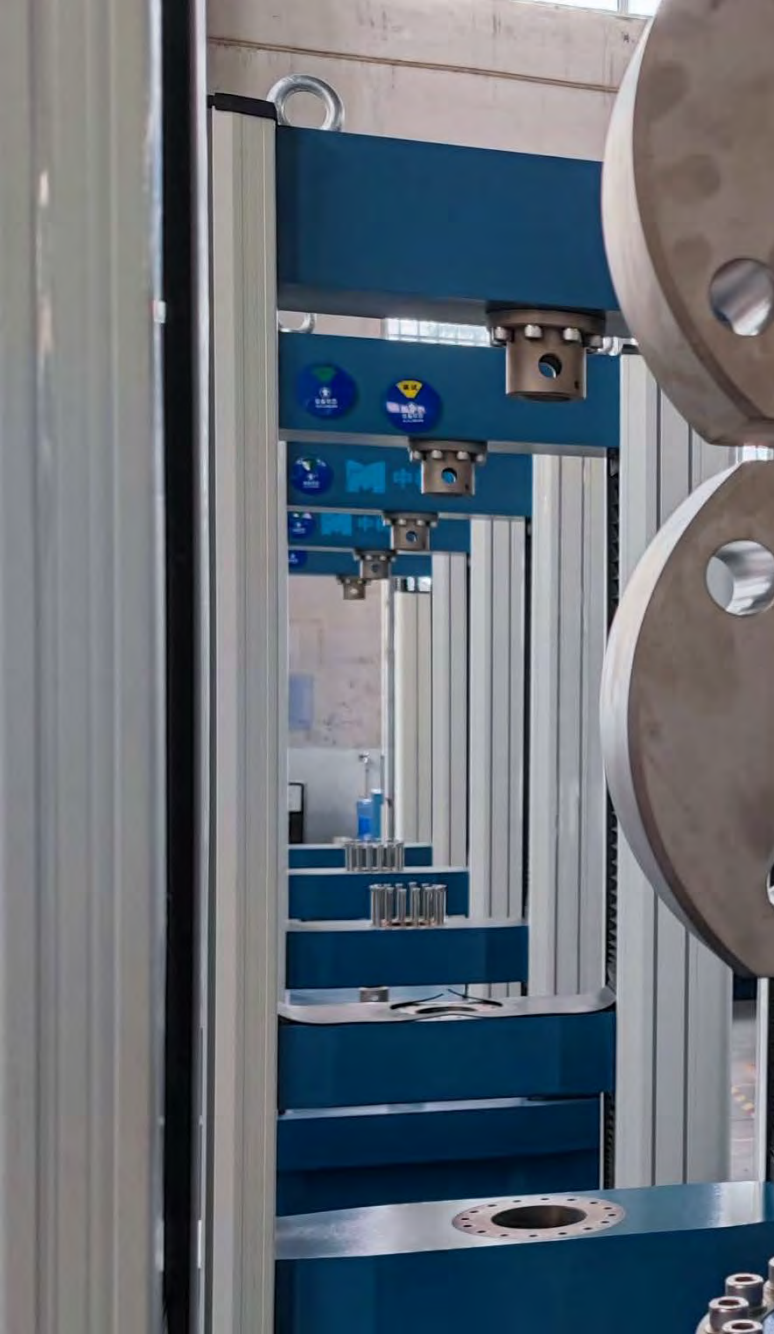
Sinotest has 600+ types of accessories to select. You could always find one for your test. Also, you could just tell your test information. Our profession engineer will customize a proposal for you.



High stiffness host frame

Your most reliable test partner

The frames of DF series UTMs are finite element analyzed while designing. The excellent structural design brings reliable rigidity to the frame. Even full loaded or long-time used, your DF-UTM won't deform.



Doli Controller

Precision and Accuracy: Our UTM controller, deeply cooperate with Doli, ensures reliable and precise testing results.

Streamlined Integration: Seamlessly integrate our UTM machine with the Doli controller for a user-friendly interface, intuitive navigation, and real-time monitoring.

Collaborative Expertise: Benefit from our partnership with Doli, combining our strengths to deliver cutting-edge technology and continuous improvement for enhanced accuracy and reliability.



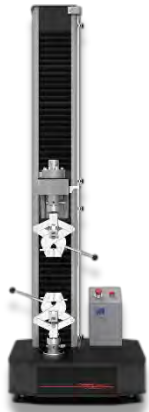
Installation and after-sale service

Technical Support: Our dedicated technical support team is available to assist you with any inquiries or issues you may encounter during installation, operation, or maintenance.

Training and Knowledge Transfer: We provide comprehensive training programs to ensure your staff is well-equipped to operate and maintain the UTM machines effectively.

Spare Parts and Maintenance: Our after-sale services include the provision of genuine spare parts and regular maintenance schedules to keep your UTM machines operating at peak performance.





DF21

Specifications	
Model	DF 21
Capacity	1kN/5kN
Force measurement range	0.4% ~ 100%FS
Force measurement accuracy	±0.5%
Beam stroke	700mm
Beam speed range	0.005 ~ 1000mm/min
Position control resolution	0.00013mm
Maximum force at full speed	200mm/min
Maximum speed at full load	2.5kN
Deformation measurement range	2%FS~100%FS (with axial extensometer)
Deformation measurement accuracy	± 0.5% of the indication value (with axial extensometer)
Deformation rate adjustment range	0.005 ~ 5%FS/s
Size(H*W*D)	1300mm*720mm*505mm
Noise	< 60dB
Weight	140kg
Maximum power	1.5kW

DF-22 Specifications



DF22

Specifications		
Model	DF22.204D	DF22.504D
Capacity	10kN/20kN	30kN/50kN
Force measurement range	0.4% ~ 100%FS(0.2% ~ 100%FS Customizable)	
Force measurement accuracy	±0.5%	
Beam stroke	1100mm	1100mm
Beam speed range	0.005 ~ 1200mm/min	0.001 ~ 1200mm/min
Position control resolution	0.00004mm	0.00005mm
Maximum force at full speed	5kN/10kN	15kN/25kN
Maximum speed at full load	200mm/min	350mm/min
Deformation measurement range	2%FS~100%FS (with axial extensometer)	
Deformation measurement accuracy	± 0.5% of the indication value (with axial extensometer)	
Deformation rate adjustment range	0.005 ~ 5%FS/s	
Size(H*W*D)	1725mm*790mm*720mm	1825mm*808mm*732mm
Test space width	441mm	460mm
Noise	< 60dB	
Weight	280kg	380kg
Maximum power	1.5kW	2kW

DF-23 Specifications



DF23

Specifications		
Model	DF23.504D	DF22.504D
Capacity	50kN/100kN	30kN/50kN
Force measurement range	0.4% ~ 100%FS	
Force measurement accuracy	±0.5%	
Beam stroke	1100mm	1100mm
Beam speed range	0.005 ~ 1200mm/min	0.001 ~ 1200mm/min
Position control resolution	0.00004mm	0.00005mm
Maximum force at full speed	5kN/10kN	15kN/25kN
Maximum speed at full load	200mm/min	350mm/min
Deformation measurement range	2%FS~100%FS (with axial extensometer)	
Deformation measurement accuracy	± 0.5% of the indication value (with axial extensometer)	
Deformation rate adjustment range	0.005 ~ 5%FS/s	
Size(H*W*D)	1725mm*790mm*720mm	1825mm*808mm*732mm
Test space width	441mm	460mm
Noise	< 60dB	
Weight	280kg	380kg
Maximum power	1.5kW	2kW