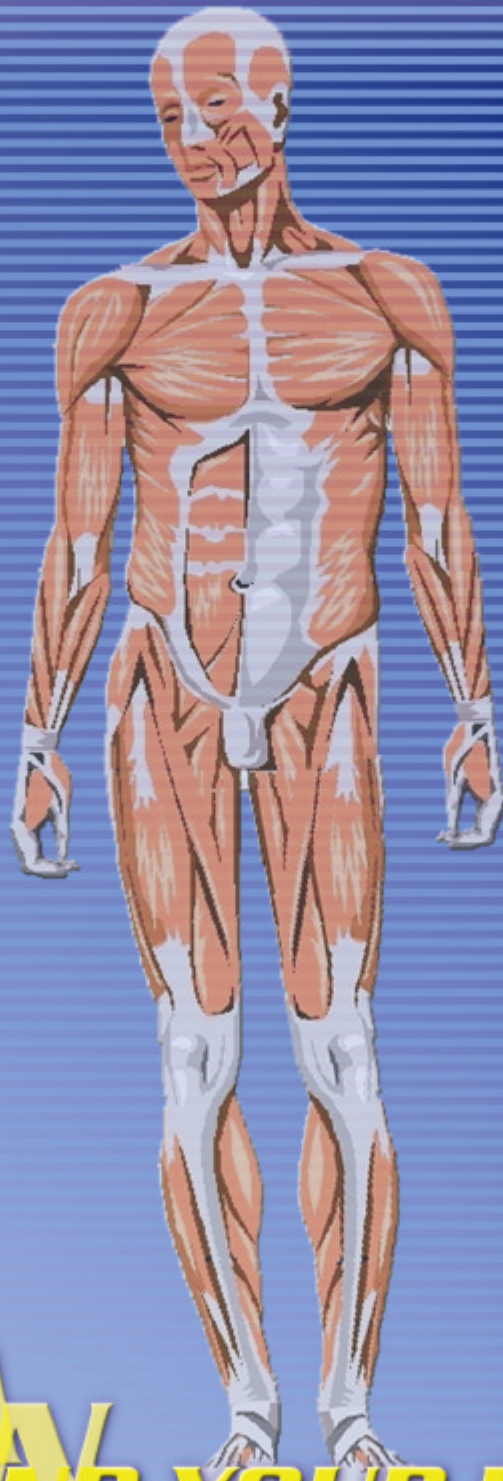


Newtest Force

*- help in exploring the limits
of the human performance*



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EXPAND YOUR LIMITS

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Newtest Force - Isometric Strength Testing System

Standardised evaluation of muscle strength is important to scientists, doctors and physiotherapists in order to provide comparable information for research, rehabilitation and sport performance testing.

Newtest Force - Product Family

Newtest Force is a product family consisting of isometric force measuring devices for different parts of human body. With them you can measure trunk extension, flexion and rotation, leg extension, plantar flexion, neck extension and flexion, hand grip and lifting for example. Newtest Force provides users with excellent repeatability and accuracy of results. Thanks to isometric measurement principle, it is also safe and very easy to use compared to many other strength measuring systems.

Based on comprehensive scientific research: accurate and reliable

Newtest Force has been developed in close cooperation with leading scientists to fulfil their strictest demands for scientific research in fields of Sports Performance testing, Aviation Medicine, Physiotherapy and effects of aging in humans.

After years of product development with researchers, Newtest Force is known to be reliable and trusted product family. The proof of that are the scientific reference articles.

Isometric measuring principle: simple construction, safe & easy to use

Thanks to isometric measuring principle, each Newtest Force device has simple mechanical construction. Use is therefore safe for the tested persons and measurement is well repeatable. Calibrating of each device can be done according to instructions included in the system delivery. If necessary, calibration can also be checked without help from outsiders.

Automatic force display: reliable and easy to use

Newtest Force amplifier shows test results immediately in real-time in either continuous or peak mode. Results are expressed in kg-scale. Force amplifiers range from 1 to 4 channels. Each channel can be calibrated to a designated Newtest isometric unit.

Modularity: buy what you really need

Newtest Force Isometric Force System consists of 5 different devices, 1 and/or 4 channel amplifiers and A/D board. Thanks to this modular construction, all parts of human body can be measured with a complete system, but if only certain parts are of interest, individual modules are available, too.



Modular Newtest Force -Isometric Testing System



Module	Frame	Specification	Type of Force transducer	Nominal load
Trunk Force	Height Width Depth	2060 600 600 mm	Strain gauge transducer	200 kg
	Weight	70 kg		
	Height of subject	0,6-2,2 m		
	Measurement capacity	200 kg		
Leg Force	Height Width Depth	1300 550 2300 mm	Shear beam transducer	1000 kg
	Weight	150 kg		
	Adjustment range	650 mm		
	Measurement capacity	1000 kg		
Neck Force	Height Width Depth	200 500 500 mm	Strain gauge transducer	200 kg
	Weight	6 kg		
	Height of subject	0,6-2,2 m		
	Measurement capacity	200 kg		
Lift Force	Height Width Depth	70 35 10 mm	Shear beam transducer	500 kg free transducer
	Weight	15 kg		
	Measurement capacity	500 kg		
Grip Force	Height Width Depth	145 190 40 mm	Strain gauge transducer	200 kg
	Weight	1 kg		
	Measurement capacity	200 kg		

User References

Some of the Newtest Force users

Rehabilitation and Health Care:

Elmakes
Oulu University Hospital,
Dept. of Physical Rehabilitation
Turku University Hospital

Santpoort-Noord, Netherlands

Oulu, Finland
Turku, Finland

Research:

Centro de Investigacion Medicina del Deporte
Centro de Perfeccionamento Técnico
C. P. T. Fadura-Getxo
Finnish Air Force
LIKES
Paavo Nurmi Research Center
UKK-institute

Pamplona, Spain

Getxo-Bizkaia, Spain
Helsinki & Tikkakoski, Finland
Jyväskylä, Finland
Turku, Finland
Tampere, Finland

Education:

University of Jyväskylä, Faculty of Sport
and Health Sciences

Jyväskylä, Finland

Sports Performance Testing:

Eerikkilä Sports Institute
Sports Institute of Finland
Vuokatti Sport Institute
Kuortane Sports Institute

Eerikkilä, Finland
Vierumäki, Finland
Sotkamo, Finland
Kuortane, Finland

Newtest Force Isometric Strength Testing Systems are CE Marked.



Newtest Force - Expand your limits

Explore the limits of the human performance with Newtest Force Isometric Strength Testing System. It is used extensively in research and sports performance testing.

Order your system now!

More information how to order from:



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