

DYNACRAFT - Synchronous Dynamometers

» TIRED OF INERTIA? OUR PERMANENT MAGNET DYNAMOMETERS ENSURE A PERFECT CONTROL WITH A VERY LOW INERTIA!



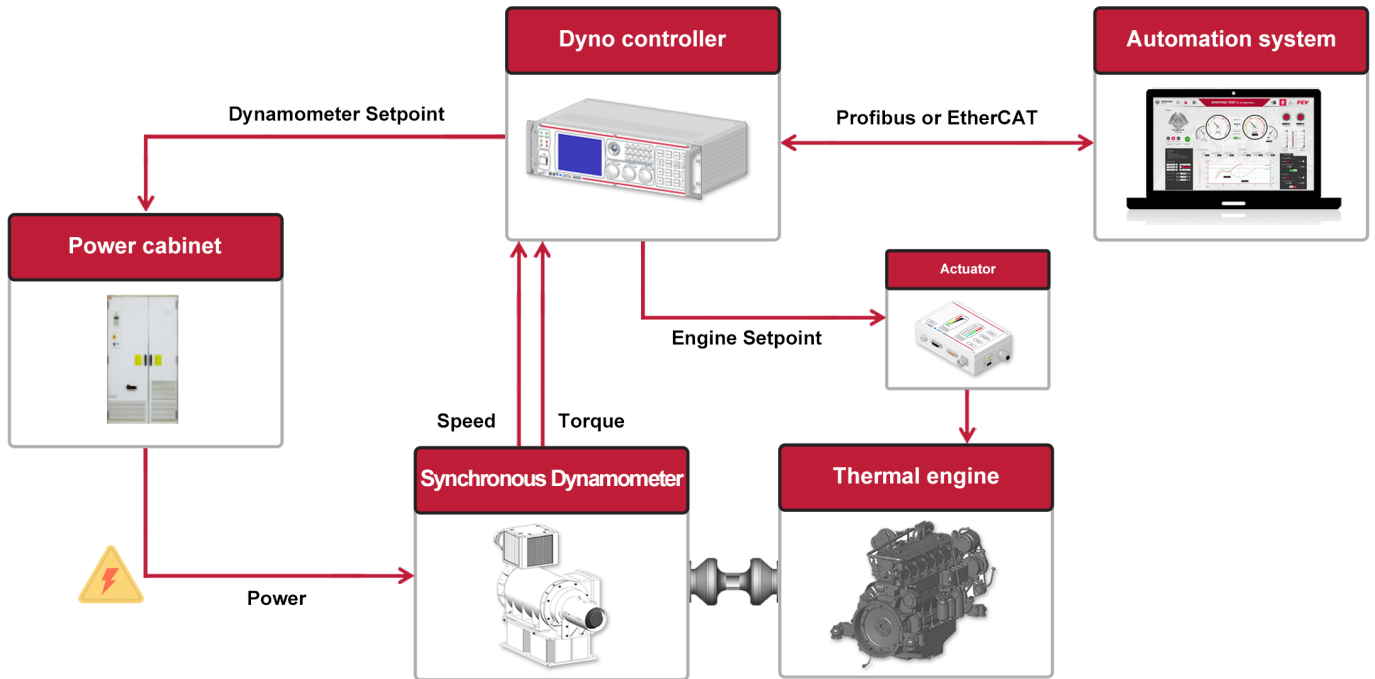
Synchronous Dynamometers

Our Synchronous Dynamic Dynamometers range uses the high-quality electrical motors with a permanent magnet rotor allowing for braking or motoring of a thermal engine. Based on our know-how in mechanical engineering, measurement and design of transmission shafts, it suitably responds to the requirements of test-beds for small industrial and 2-wheeler engines.

Benefits

- > Very low Inertia
- > Excellent reliability and quality of torque measurement
- > High rotation speeds
- > Negative and Positive torque
- > Integrated Electrical and mechanical safety monitoring (coil and bearings)
- > Water cooled
- > Low rotor heating

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Technical Data

Features							
Torque measurement				Load cell			
Speed measurement				Resolver			
Alarm switches				Coil temperature			
User manual				English, French			
Torque calibration (*)				Set of calibration arms and weights			
Safety monitoring (*)				Bearing temperature, front bearing vibration			
Transmission protection (*)				Drive shaft guard + wooden box			
Controller (*)				DCU 3000			
Power cabinet (*)				PARVEX power drive			
(*) Options							
Note: The stator is balance mounted in order to be equipped with a strain gage attached between the stator and the frame for braking torque measurements purposes							
Performances							
	Rated Power (kw)	Rated Torque (N.m)	Max. Speed (rpm)	Nominal Speed (rpm)	Inertia (kg.m ²)	Water flow rate (l/min)	Weight (kg)
DX63	63	186	14,000	3,240	0.06	16	300
DX1000	100	250	12,000	3,710	0.15	22	400
(*) Consult us for power supply above 500 V							
Note: All our dynamometers are grinded and tested on our production test cell before delivery.							

Technical specifications may be modified without prior notice.

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