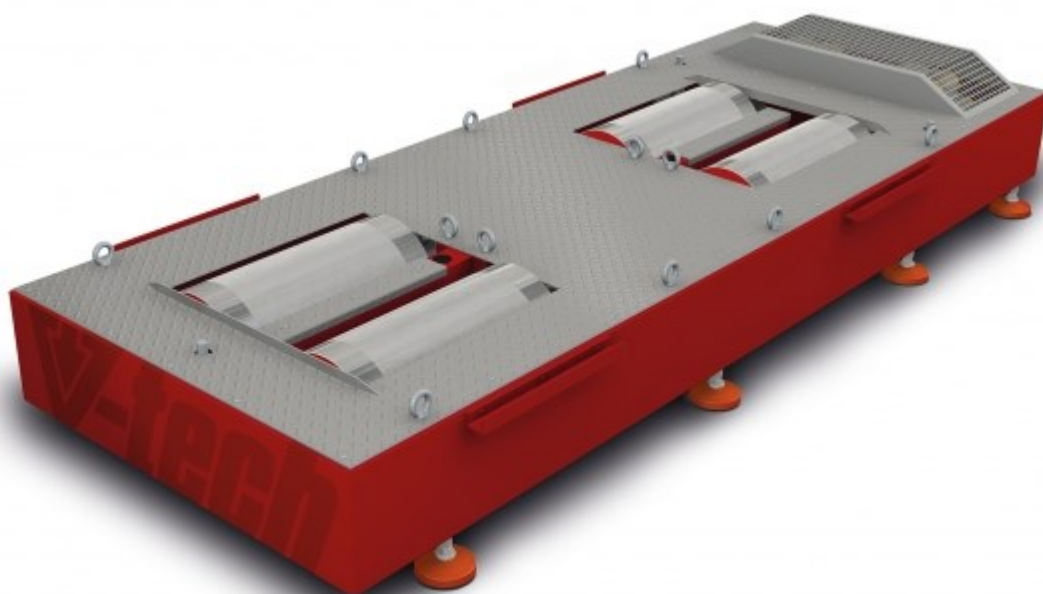


VT-2/B1 Modular Dynamometer

(expandable to 4wd)

	Dane techniczne	
Type	braked	
Size (L x W) [mm]	1200 x 3300	
Max/min track [mm]	2200/900	
Minimum tyre diameter [mm]	400	
Max weight per axle[kg]	3000	
Number of axles	1	
Brakes	1xTelma eddy current brake	
V _{max} [km/h]	300	
Test mode	inertial, dynamic constant RPM, road test	load,
P _{max} [HP] - inertial mode	450 ¹	
P _{max} [HP] - dynamic load and road test modes	600 ¹	
P _{max} [HP] - constant RPM mode (power on wheels)	270 ²	
Power measurement accuracy, inertial mode [%]	0,1	
Power measurement accuracy, braked mode [%]	1	
Power supply (without cooling and exhaust fans)	min. AC 400V / 32A	
Required compressed air	min. 6 bar	
Basic composition	in-pit / mobile turbo pressure sensor, AFR sensor, cooling fan, exhaust fan,	
Additional accessories	exhaust pipes, OBD/CAN interface for live data acquisition	



[1] Maximum power depends on engine torque characteristic and engine rotations. Cars with higher engine power can be measured with lower accuracy.

[2] Maximum power depends on eddy current brake rotations.



Many of the popular chassis dynamometers manufacturers use lightweight painted rolls and/or cover them with adhesive & sand. Such rolls got worn quickly and never (new or worn) offer reasonable friction, and they look unsightly in general.

Our solution is different – we emboss special tread (with high mechanical pressure). This tread is 3D and CAM-optimized and may be described as a kind of teeth-shaped lines embossed in the roll (see picture). Each “line” has two “tops” across the roll (instead of common method of cutting them and thus – having only one top per line) to double amount of contacts to tire. Then, between both “tops” there are micro – cuts (at right angle to teeth shaped line) to stop tire from flattening of tread. Finally, rolls are covered with special double layer chromium cover to protect them from being worn. Even 10 years of use will not kill their parameters and brilliant aesthetics. Your dyno will be always attract the eye of customers.

Tire runs silent, with perfect friction, even with wet tires!

Beside that larger diameter and heavy rolls we produce, better replicate the flat-earth that tires are actually designed to run on and are generally safer.

Choosing a Dyno

