

ALL NEW VLT CHASSIS DYNAMOMETERS FOR PERFORMANCE MEASUREMENT AND DIESEL SMOKE TESTING UNDER ROAD CONDITIONS (CDST).

VLT Chassis Dynamometers for Diesel Smoke Testing under Road Conditions (CDST).

Diesel Smoke Testing by Free Acceleration Test is one! But how accurate is this Test? We all know that it is a not valuable test, but still better as none testing of Vehicle Diesel Engine's. The results are not realistic in many cases. And not as good for the Engine we know.

VLT knows that they are not the First Company to bring this kind of solution. But many of you know when VLT comes in the market it brings a High end solution!

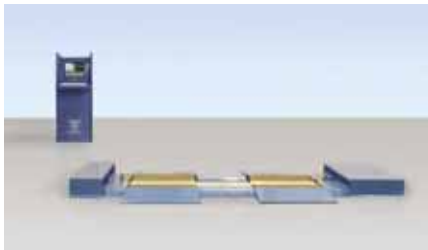
VLT offer you a range of three High Tec models, not less than that!

VLT offer our special Cars and Light Vehicles model VLT 038950 (not illustrated), a 6 Ton axle weight Medium Duty model VLT 068950, handling Light and Medium Vehicles, a 14 Ton axle weight Heavy Duty model VLT 148950, handling Light, medium and Heavy Vehicles and the top of our Range is a 24 Ton Dual Drive version model VLT 248950 for Tandem axle dual drive Vehicles, and handles at the same time Light and Medium Vehicles. This Special model comes with a NEW revolutionary VLT Concept (Patent pending).

All models are fully Computer Controlled VLT Solution for Diesel Smoke Testing under Road Conditions.



Revolutionary design of the all new VLT 248950 Chassis Dynamometer



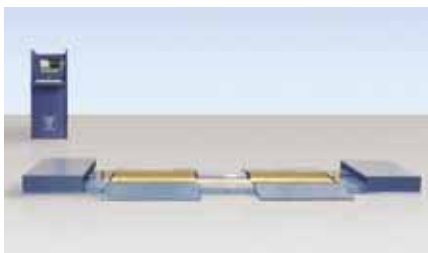
VLT 068950



Truck on VLT 148950



Car on VLT 148950 with cooling fan



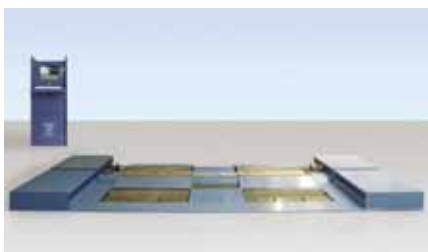
VLT 148950



Tractor on VLT 148950



Tractor on VLT 148950



VLT 248950



Tandem axles on VLT 248950



Full speed on the VLT 248950



Van Leeuwen Test Systems B.V.

Automobile Safety Testing Equipment - Test Lanes
www.vltest.com • email: sales@vltest.com

Nieuwe Donk 18 • 4879 AC Etten-Leur • Holland
Tel. +31 (0)76 5029911 • Fax +31 (0)76 5016731

© Van Leeuwen Test Systems B.V.

TECHNICAL SPECIFICATIONS

Model	VLT 038950	VLT 068950	VLT 148950	VLT 248950
Maximum axle Load under test	3000 kg / 6600 lbs	6000 kg / 13200 lbs	14000 kg / 30800 lbs	24000 kg / 52800 lbs
Maximum speed at axle load of	150 Km/hour at 3 ton	150 km/h at 6 ton	100 km/h at 14 ton	90 km/h at 24 ton
Maximum speed at axle load of	175 Km/hour at 2 ton	175 km/h at 3 ton	120 km/h at 10 ton	100 km/h at 14 ton
Maximum speed at axle load of	200 Km/hour at 1 ton	200 km/h at 2 ton	160 km/h at 6 ton	160 km/h at 6 ton
Number of rollers	Four (4)	four (4)	four (4)	six (6)
Roller diameter x length	320 x 700 mm	400 x 900 mm	400 x 1100 mm	400 x 1100 mm
Vehicle axle lift capacity	4000 kg	7000 kg	16000 kg	16000 kg **
Roller inner / Roller outside dimensions	800 / 2200 mm	700 / 2500 mm	800 / 3000 mm	800 / 3000 mm
Centre to centre Rollers	500 mm	550 mm	630 mm	630 mm
Number of Eddy current brake(s)	One (1)	one (1)	two (2)	three (3)
Maximum brake power	300 kW / 400 hp	300 kW / 400 hp	600 kW / 800 hp	750 kW / 1000 hp
Number of hold / drive out disc brakes	four (4)	four (4)	six (6)	eight (8)
Hydraulic pump for lift and hold brakes	1,5 kW – 3 phase	3 kW - 3 phase	3 kW - 3 phase	3 kW - 3 phase
Adjustable tandem axle rollers for wheelbases	Not applicable	not applicable	not applicable	1150 - 1550 mm
Auxiliary cooling fan 380/400 Volt 3 phase	ø500 mm – 0.25 kW *	ø630 mm - 0.5 kW *	ø630 mm - 0.5 kW *	ø630 mm - 0.5 kW *
Note * dual speed ** tandem second axle does not need a Lift.				
Optional subframe for casting into concrete	VLT 03806/T2	VLT 06806/T2	VLT 14806/T2	VLT 24806/T2
These subframes come with locking attachments to hold the vehicle in place during the test, ask for details.				

Additional Technical information on 24 Ton Dual Drive Model VLT 248950:

Suitable for the full Range of Vehicles (Excluding permanent four wheel drive Vehicles with wheelbase over 1550 mm)

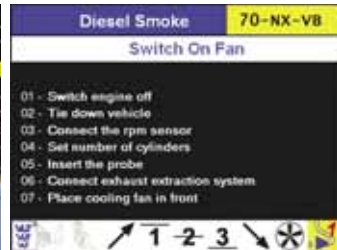
Designed for Heavy Vehicles 6x4, (6x6 if Front axle can be switched off) Heavy Vehicles and Buses 4x2.

Also capable of testing CARS and Light Good Vehicles as well due to this Revolutionary design.

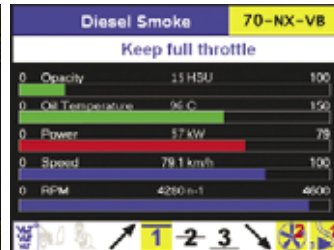
Maximum Axle Load under Tandem axles: 24000 kg. Maximum Axle Load under Single axle: 14000 kg.



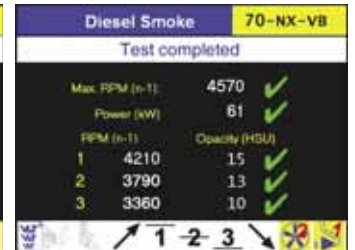
Startup screen



Pre-test actions screen



Measurement screen



End result screen



Van on VLT 248950 with cooling fan



Hydraulic system on VLT 248950



Eddy current brake



Safety chains on VLT 248950



Tandem axle on VLT 248950



Lift up on VLT 248950



Van Leeuwen Test Systems B.V.

Automobile Safety Testing Equipment - Test Lanes
www.vltest.com, email: sales@vltest.com

Nieuwe Donk 18 • 4879 AC Etten-Leur • Holland
Tel. +31 (0)76 5029911 • Fax +31 (0)76 5016731

© Van Leeuwen Test Systems B.V.