251/261

Complete
Compact
Precise
Safe
The must!



BEI 251

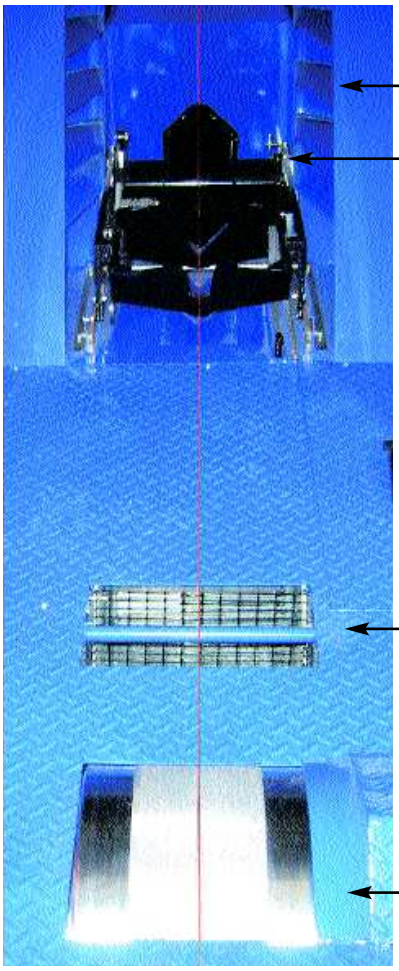
This dynamometer is very compact, with a very neat and user friendly design, safe, extremely precise and reliable, and it gives the user enormous testing possibilities. 261 includes an Eddy Current brake.

The BEI 251 takes up only 30 sq.feet room in your workshop, incl. the safety barreers,the integrated exhaust extraction system and motor and tyre cooling fans.
Normal monophase power supply, compressed air and exhaust outlet required.
One complete test is performed in only 3 minutes !



Articulated arm
With keyboard, mouse and command pannel

Front cooling fans:
Straight air flows for optimal motor cooling



SAFE© - Automatic fixing clamp
Works with compressed air
No straps required !
Very quick, very safe

Rear cooling fan:
For tyre,
exhaust and chain

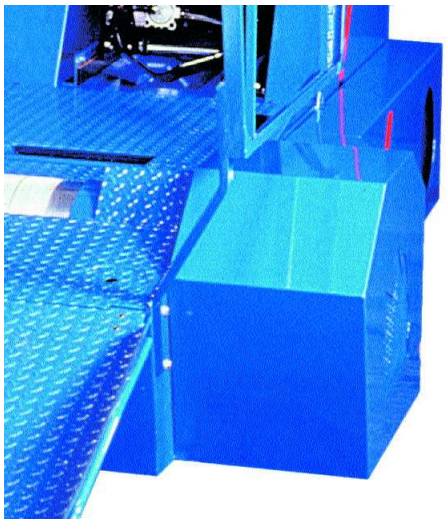
Roller with central groove
For a quick wheel alignment check



BEI 261

FUCHS
BANCS D'ESSAIS - ANALYSES MOTO

251 / 261

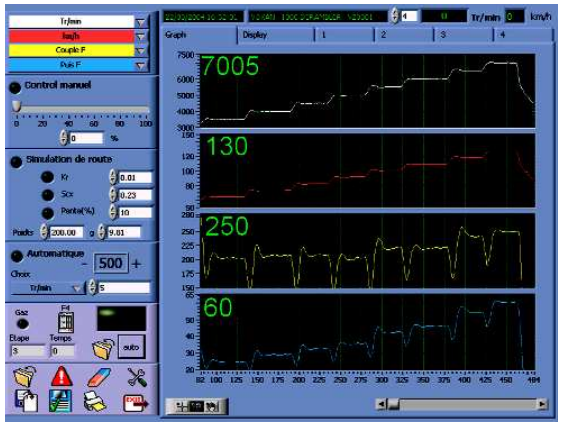


Eddy Current Brake (B.E.I. 261)

Maximum power : 310 kW
Total inertia of roller and brake: 7 kg/m2.
Cooled by a hot air extraction fan
Mounted on an anti-vibrating frame.
Takes up very little room : just 18 " additional width
Precision of load cell 99,95 %.
Power supply of the brake : 24V ; dyno : monophase power

What can you do with a FUCHS Eddy Current brake?

Tests under load
Tests with steady Rpm
Road simulation
Automatic programmed test cycles.
Remapping of ECU



Kheops Simulator *Sotware for piloting the brake*

Equipement	251	261
Ramp lifted, with security switch, protecting from projections	X	X
Automatic lock of the motocycle, patented *SAFE©*	X	X
Wheel alignment check	X	X
Cooling fan outlets for the engine, 5100 m3/H	X	X
Cooling fan for rear wheel and exhaust	X	X
Two measurment sistems, roller and wheel	X	X
Console for accessories (computer,printer and accessories)	X	X
Databank bike tests	X	X
Blocked roller when the ramp is down	X	X
Safety barriers	X	X
Software KHEOPS with PCI acquisition card	X	X
Pre-Equipment for electrical Brake	O	X
Electrical Eddy Current Brake	O	X
Gas analysis System (4 gas analyser)	O	O
Sensor Unit: Automatic weather station with ignition pick up	O	X
MSU Modular Sensor Unit - Automatic weather station - 5 cards posssible	O	O
Software KHEOPS , MSU upgrade	O	O
Thermocouple Card for 8 sensors	O	O
Analogic Card for 8 sensors	O	O
Independant electric Bike Starter System	O	O
Integrated exhaust extraction fan	O	O
Additional front cooling fan	O	O
Scooters attachement (Automatic clamping for scooters)	O	O
KHEOPS scooter module (Automatic test of variomatic)	O	O
Lambda System	O	O
	X=serial	**O= option**

Dimensions L x l x h (with lifted ramp)

BEI 261: 110,2" x 65,4"(+30,7" with articulated arm opened out) x 84,25"
BEI 251: 110,2" x 49,2"(+30,7" with articulated arm opened out) x 84,25"

SAFE© - Automatic fixing clamp

Worldwide exclusivity *patented in 1993.*



The front wheel of the motorcycle is tightly hold in 3 distant points. This revolutionary sytem locks the motorcycle avoiding completely the use of straps : the M/C is installed very quickly on the dyno, tyre and shock absorber are not damaged,you can check the suspensions during the test (the M/C is free).

FUCHS
BANCS D'ESSAIS - ANALYSES MOTO

FUCHS S.A. is 100% specialized in manufacturing dynamometers for motorcycles !!