



Bicycle Brake Road Testing Machine



Haida International Equipment

– Bicycle & Bicycle's Parts Test System

Don't guess before you test

Haida Test Machines ...

HD-1052DB Bicycle Brake Road Test Machine is an integrated machine mainly used to do bicycle road dynamic test and braking performance test. It is designed as per EN, ISO standard and can test different kinds of bicycle, such as city bike, mountain bike, road racing bike etc. This machine simulates bicycle daily using on both dry and wet condition to determine bicycle and bicycle parts's performance.



Seat Post



Handle Bar



Rear wheel

Model		HD-1052DB Bicycle Brake Road Test Machine (Brake & Run test)
Adjust range between front & rear wheels		860~1200mm/(600~1200 mm optional) / Customer specified
Counter setting	diameter	760/(560 optional) / Customer Specified
	power	Servo Motor + reducer + Clutch
	Testing speed(km/hr)	7-27km/hr(special speed-upon request)
Crank Drive Mechanism(optional)	Testing speed(km/hr)	7-27km/hr(special speed-upon request)
Counter Weight	Seat Post(Kg)	36
	Pedals(Kg)	18
	Handlebar(Kg)	6.75
	Luggage Carriers(Kg)	10.18.25.according to luggage carriers, area 204X240 (Assembly Type)
	Head Tube(Kg)	14
Force to Brake Handlebars		ConformEN14764 Standard(Auto weight 40~180N)
Water Spray		4 ml/s
Brake Force	Brake Force(N)	2000
	Resolution	1/200000
	Accuracy	±1
Power		1-PH, 220 ± 10%, 50/60HZ 3-PH, 380V ± 10%, 50/60HZ optional
Consumption	KW	10
Dimension(W x D x H)	Main Body(mm)	3070x1200x2100 (Ref Only)
	Cabinet(mm)	500x600x1000 (Ref Only)
Standard Accessories		Tool Kitx1, Operational Manual in English x1, Testing dead weight, Warranty Certificationx1

Structure & Function:

This machine is formed by two different diameter rollers and follows specification to install jump plates at bike's seat post, pedals, bars, luggage carries, with load set to this tester. Adjust the distance between front and rear wheel base on the standard for complete cycles, constantly rotate the wheel by 7-27km/hr so that the bike is supposed to maintain its normal function, and no part damage or crack is found. For brake test, follow the specification specified roller's friction coefficient, wind speed and water-spray amount of loaded brake holding handle to test the performance and judge bike's performance under the defined frequency.

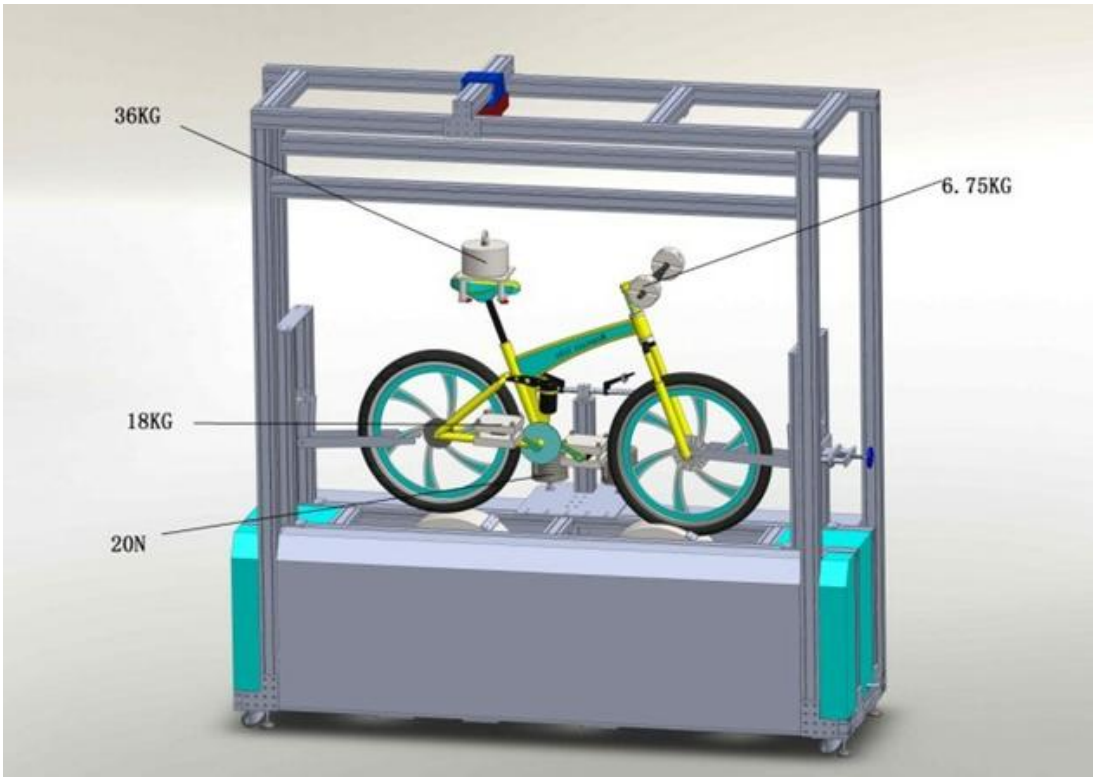


Advantages:

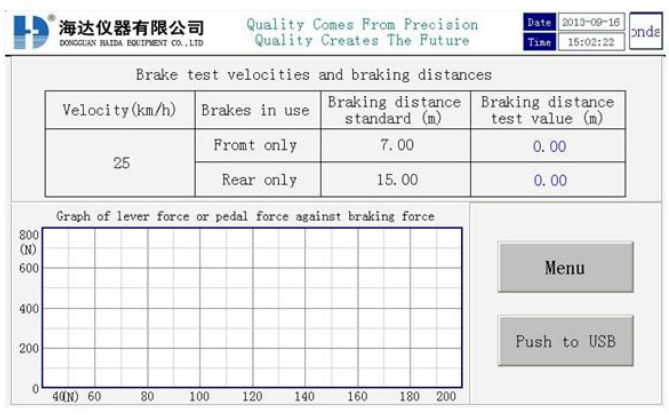
- ✧ Integrated Machine includes Road Dynamic Test and Brake Performance Test.
- ✧ The machine can do tests under both Dry and Wet conditions, which can simulate actual environment.
- ✧ It can meet international standards EN 14781, EN 14764, EN14765, especially latest standard ISO 4210.
 - EN 14781-----Racing bicycles-Safety requirements and test methods
 - EN 14764-----City and trekking Bicycles-Safety requirements and test methods
 - EN 14765-----Bicycles for young children-Safety requirements and test methods
 - ISO 4210-----Cycles. Safety requirements for bicycles
- ✧ The machine can stop automatically after specimen breakage.
- ✧ PLC large touch screen with easily and friendly operation.



Drawings



Software details:



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To be the most vitality and respectful team

HAIDA Mission:

Become Your Lab Consultant!