

Monobloc inspection line is composed of a frame that integrates a brake tester and a suspension bench, designed for light vehicles weighing up to 3,500 kg of MMA, and supporting loads of up to 4 tons. per axis to step


Its main task is to carry out a quick and effective verification of the operation status of the braking control in the vehicle, accurately measuring the maximum braking on the front and rear axles, handbrake, as well as the existing ovality in the discs and drums. braking system. In addition to performing a quick and effective analysis of the state of the suspension of light vehicles. The test is carried out under the EUSAMA method, individually measuring the wheels of each axle.

Optionally supports the ability to perform tests to 4WD vehicles.


A computer is responsible for controlling the entire measurement system and the operation of the machine. Control can be by keyboard, mouse or remote control and the visualization is done through highly intuitive software.

Max load per axle (to step)	4 Tn.
Motor Braketester	2x 4,6 Kw.
Motor Suspension Bench	1x 3,0 Kw.
Maximum Track Width	2.270 mm.
Minimum Track Width	840 mm.


Electronics




Latest generation processor
New high-speed processor
Increase the response and process of each vehicle test




Connections
Ethernet (TCP-IP) / RS-232 connection on the main board



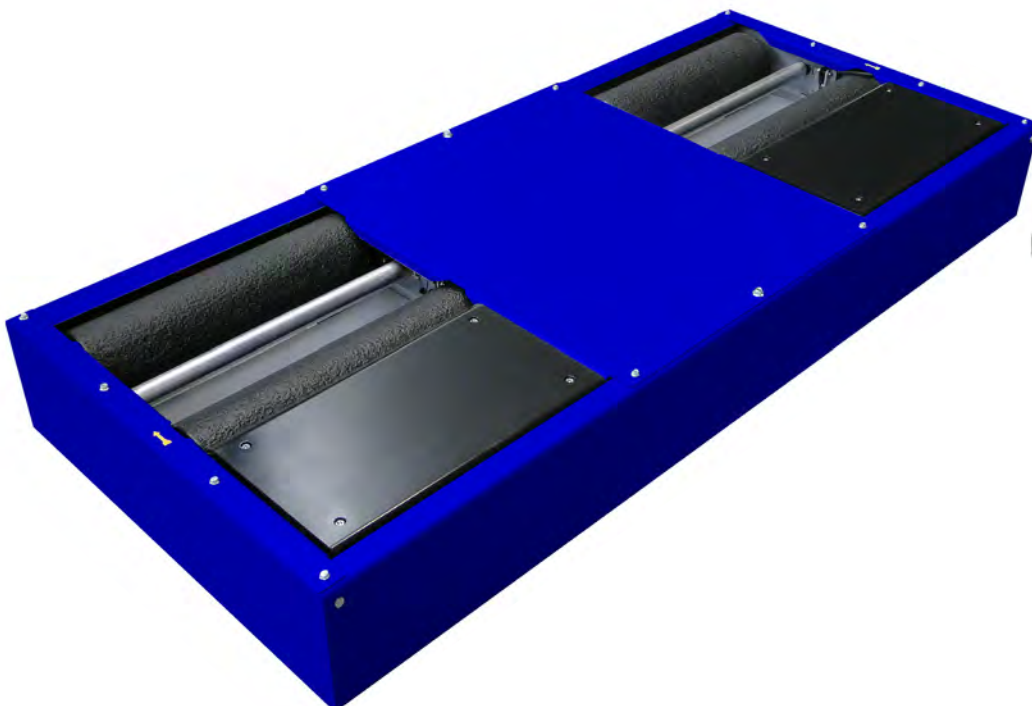
RAM memory
New memory 16 times faster



Flash Memory
New memory 4 times faster



Modular System
All electronics are expandable.
Specially designed for automotive and vehicle inspection centers



Debido a la continua evolución de nuestros productos, las características técnicas y de diseño podrían estar sujetas a modificaciones, sin previo aviso.

Standard Equipment

- Suspension Bench and Brake Tester for light vehicles
- Control cabinet
- Electronic control & software
- Remote control for test control
- Electric blockage of rollers to facilitate the vehicle entry/exit
- Rollers coated in welded steel or synthetic fiber

Software

RYME MONOBLOC inspection line has a machine management software that allows you to get the most out of the equipment. This software is simple and intuitive, with a user-friendly interface

It is possible to operate the software manually where the inspector chooses the sequence and the way to perform the test or automatically where it is the machine that manages the inspection process

- Automatic 4WD vehicle detection
- Sending and processing data and graphics in real time
- Possibility of sending encrypted data to the server using the AES encryption method (Advanced Encryption Standard)
- Braking lock difference less than 20 ms
- 100% compatible with management systems and databases
- Assigning permissions to different user levels
- Possibility of assigning the results obtained to a vehicle plate before or after each test
- Intuitive, simple and fast configuration software
- Graphical and numerical display of results
- Customization of the test duration to the minimum and/or maximum time to optimize working time
- Self test of auto-zero in the beginning of each test
- Very intuitive control software guided by graphic icons
- Common database (on network as well as in local mode) that allows us to save all client and vehicle data and have easy access to them to be able to make comparisons between old and new tests.
- Translation module which the user will be able to translate the program into his own language or modify any sentence or word on it..
- Customized advertising on screen
- Test control by using a remote control
- Carrying out a test for each individual wheel for differential observation per individual wheel
- Automatic slip cut-off: new system for measuring the slip, the safety of the tyre is considerably increased, taking into account the performance of the engine in the lowering of the rolling speed
- Possibility of repetition and independent analysis of each wheel
- Possibility of automatic or manual start and stop
- Strain gauge measurement system
- Measurement display with error less than 1%.
- Graphical overlay for checking
- Static and dynamic weighting in each axle
- Measurement of maximum Amplitudee produced from start to stop
- Display of left and right Amplitudee and difference between the two
- Performance indication left, right and difference between the two
- Free movement of the plate for noise location
- Manual entry of the vehicle weight
- Communication USB / RS232 / Ethernet (TCP-IP) Protocol
- Calibration software
- Software for automatic operation



Software



More Productive
Repetition of partial tests



Safer
Ryme application can encrypt data, make them safer



More Intuitive
Incorporation of graphic icons. RYME applications share the same menus..



More Compatible
Compatibility with more than 95% of the database management systems on the market today, ORACLE, SQL SERVER, Postgre, SQLite, etc. OS support for 32 and 64 Bits and with Android, Windows...



Online support
Possibility of remote connection from our technicians with your equipment
Consult conditions



More Reliable & Precise
Improvement in the process of calibrating the main board Allows the adjustment of the weighing and force calibration to very precise values.



Software adaptations

Possibility of analysis and study, under budget, for adaptation to new regulations in any region and/or country

Mechanics



Epoxy Paint

Powder-coated finish ensures optimal and long-lasting protection



Perfect Fit Assembly

Mechanical design using Perfect-Fit, which guarantees the assembly and perfect final finish on all our equipment



High adherence rollers

Roller coating with our own technology, which provides optimal adhesion even in adverse conditions and high durability



Strongest Gearmotors

Tested for durability to ensure optimum performance

Main Characteristics

Maximum axle load (to step)	4 Tn.
Maximum Track Width	2.270 mm.
Minimum Track Width	840 mm.
Voltage	400 V. 50 Hz. Threephasic
Protection Fuse	3 x 25 A
Thermal Protector	2 x 12,5 A

Suspension Bench Characteristics

Maximum weight test	2.500 Kg
Engine Power	1 x 3 kW
Excitation frequency	16 Hz
Three valuation levels	A) Amplitude B) Efficiency in % C) Diagnosis

Brake tester Characteristics

Drive Motors	2 x 4,6 kW
Test Speed	5,7 km / h.
Roll diameter	202 mm.
Length of the rollers	685 mm.
Useful length of the rollers welded steel / Synthetic fiber	685 mm.
Distance between centers	400 mm.
Friction coefficient	0,9 dry 0,7 wet
Measurement Ranges	0 - 6 kN
Range of measurement	10 N
Measurement indication error	1 %

Dimensions

MONOBLOC

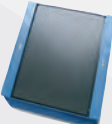
Bench dimensions	2.320 x 1.040 x 285 mm.
Packed bench dimensions	2.400 x 1.200 x 520 mm.
Bench weight	650 kg
Packed bench weight	700 kg


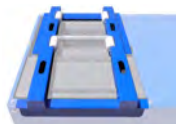




CABINET

Cabinet dimensions	620 x 510 x 1.850 mm.
Packed cabinet dimensions	800 x 600 x 1.580 mm.
Cabinet weight	80 Kg
Packed cabinet weight	100 Kg




Optional Equipment


		Multi-function wireless device, keyboard, mouse and remote control
	GEN-EIN	Computer equipment
	GEN-IMP	Printer
	GEN-TD	Data display terminal
	GEN-STD	Second Data display terminal
	AL-INT	Integrator Kit Side Slip Aligner
		
	GEN-EST	Voltage Stabilizer
	FRL-M55	Motor 5,5 KW
	FRL-SA230	Delayed static retarder 230 V.
	GEN-230	Power supply 230 V. Three-phase
	GEN-60HZ	Power supply 60 Hz
	FRL-RAS	Access ramps for floor mounting without civil works
	GEN-DPR	Pedal dynamometer with wireless PC communication. Includes wireless receiver and software
	FRM-DMR	Wireless handheld dynamometer

	FRL-4WD	Autoportable set of rollers for 4WD vehicles (4 units)
	FRL KPM	Software and mechanical kit to develop test on motorbikes
	FRL-EPR	Roller covers platform (2 units)
	GEN-PES6	Calibration weight 6 kg
	GEN-PES10	Calibration weight 10 kg
	GEN-PES30	Calibration weight 30 kg
	GEN-PAL2	Calibration lever
	GEN-BOC	Civil work frame monobloc
	AL-BOC	Civil work frame Alineador al paso
	GEN-SSA	Software for sending encrypted and non-encrypted measurements that guarantees the saving of the results of each test and their sending to the management program even in possible power cuts or other...

Other versions

	MONOBLOC-KIT	Electronic box with software and mechanical frames Dimensions of the electronic box: 600 x 600 x 300 mm.
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Other Cabinet

	GEN-MC	PREMIUM CABINET Cabinet only Dimensions: 730 x 600 x 1.800 mm.
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