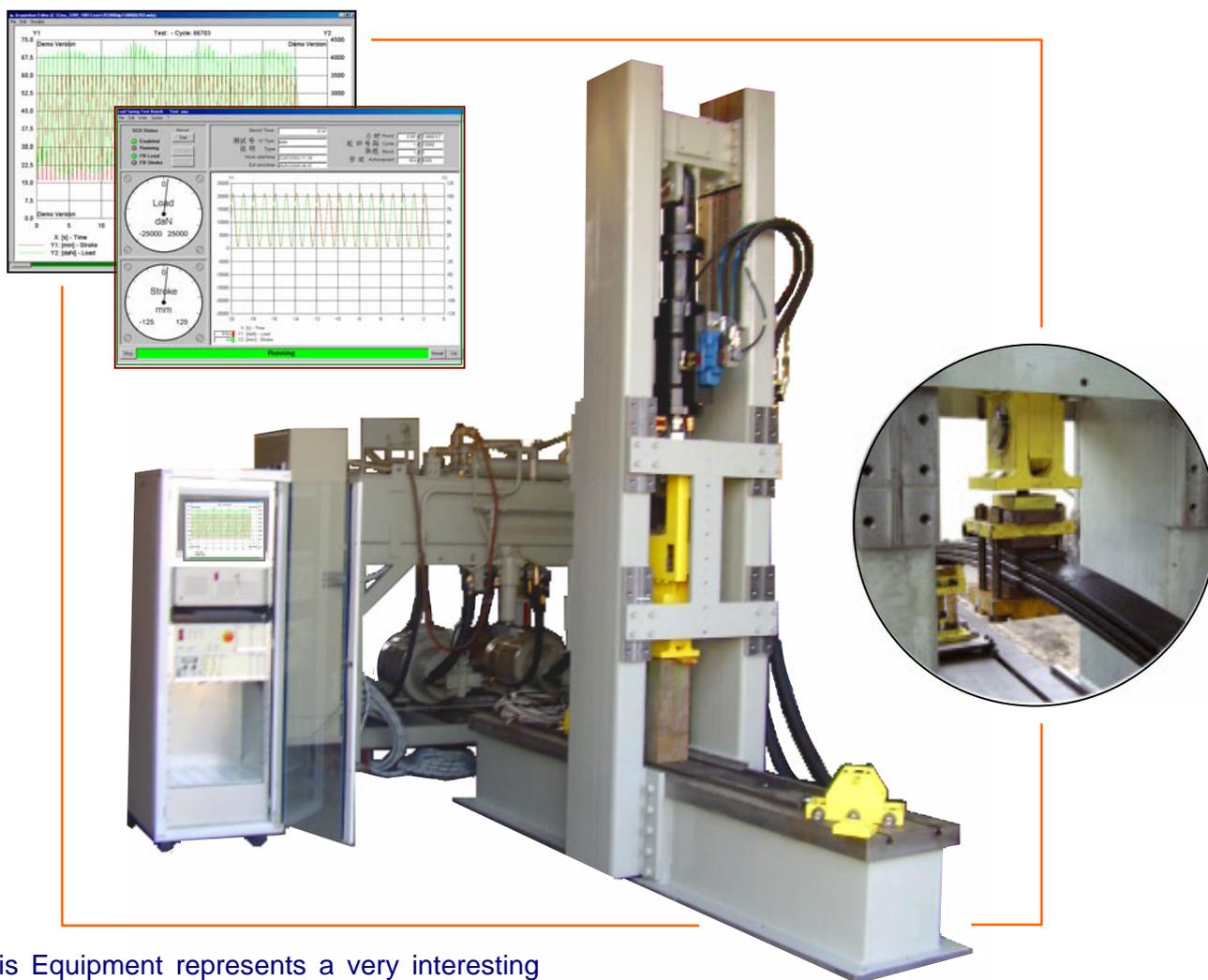


Test Bench 2511  **LEAF SPRING TESTING****Applications**

Leaf Spring Test Bench is a high-evaluation equipment that is specially **designed for automatically tests of all types of leaf springs**. Machine design is based on a powerful computer interfaced with the data acquisition system and with specific measurement equipments. **This solution guarantee very easy maintenance**. The reliability obtained is the result of constant research combined with very strict selection of the individual components used; 100% testing and inspection of parts is assured before assembly.

Standard tests that can be carried on.

Fatigue, endurance, laboratory tests and other. All testing data can be stored, printed and imported as a standard file, directly compatible with statistics programs or spreadsheets like Excel.



This Equipment represents a very interesting turning point for leaf springs testing.

An excellent connection quality/price makes laboratory and production testing more interesting.

For any further explanation, detail or questions, do not hesitate to contact us.

Specification

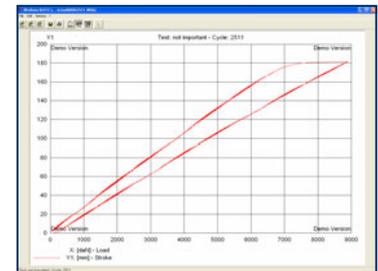
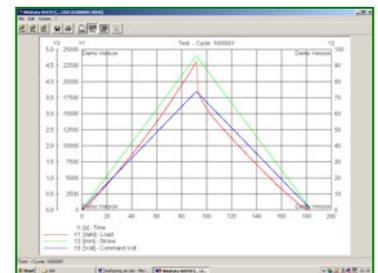
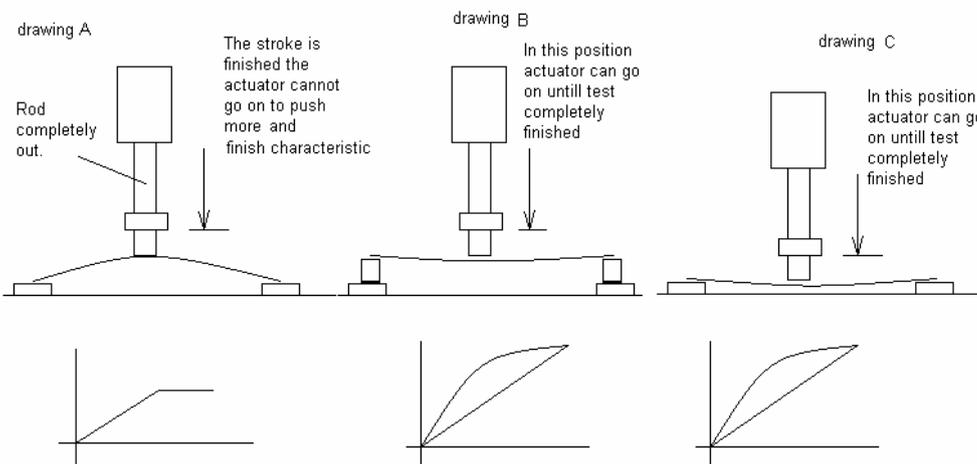


Electronics Cabinet Holding one Central Processing Unit (PC); the electronic apparatuses required for testing, including the servocontroller; the data acquisition cards, the required power supplies. The CEC application software permits to program tests, configuring the system, make the tests, processing and printing the tests results

H.P.E The Hydraulic Pressure Equipment generates the high pressure need to make the hydraulic actuators working.

Test Bench Test Bench Bed: is the Base (plinth) of the Test Bench. At the top side of the Base is to be placed the leaf spring to be tested, by means of two runner trucks rolling over two guide rails. In the Test Bench Column is mounted the hydraulic actuator used for the leaf spring test and its servo-valve. Also, includes the load cell reading the test force applied to the leaf spring.

CHARACTERISTIC TEST.



Features

AC Power Supply:	400 VAC, 300 KVA, 3-phase	
Pressure Supply	H. P. E generator, Hydraulic Pressure:	280 Bar max, normal working 210 Bar,
Hydraulic actuator	maximum axial load:	up to 25 tons, at 210 Bar.
	Moving frequency:	0 to 3 Hz max.
	Moving range:	250 mm max, resolution: 0.1 mm
Test Bench	Mechanical including 1 hydraulic actuators and load cell. Fully precision adjustments to arrange several leaf springs models	
Servocontroller	CEC, model SCX_2CH, 2 analogs channel, rack 6U	
Workstation	PC, CPU Pentium class, includes TFT monitor, keyboard, mouse, printer.	
Software	CEC WinData, standard languages: English and Italian. For other foreign countries languages, please ask for the cost of translation.	
Sizes (mm) and mass		
Electronics Cabinet	600 (L) x 600 (W) x 1900 (H)	mass: 150 kg
H.P.E.	3700 (L) x 2100 (W) x 2100 (H)	mass: 2,5 tons, with empty oil tank
Test Bench	3000 (L) x 810 (W) x 3100 (H)	mass: 4,5 tons