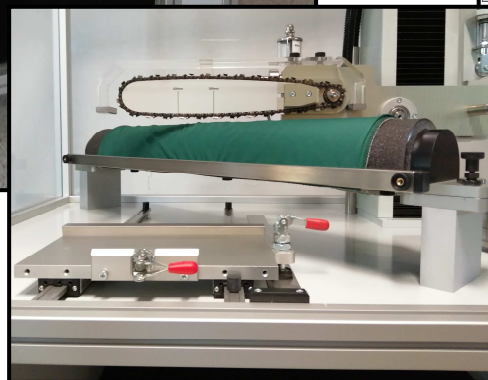
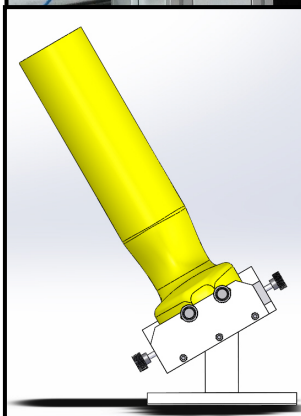
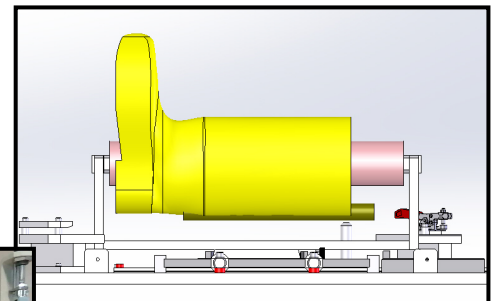
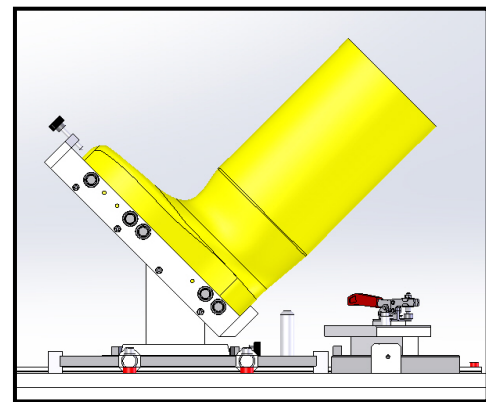


Chainsaw Cutting Tester, **HILAB model H070**

Purpose – Assessing the resistance to cutting of protective clothing, footwear and gloves by hand-held chainsaws according to ISO 11393-1.



The equipment is prepared to perform the test in all positions demanded by ISO 11393-3 and has also included the test rig to perform the calibration as indicated in paragraph 5.4.



It is also possible perform tests on leg protectors, protective gloves, protective gaiters, body protectors, according to ISO 11393-2; ISO 11393-4; ISO 11393-5 and ISO 11393-6, for which we can supply the necessary devices.

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The command is made through a console that runs a program with all parameters demanded by standards. The program also allows make the calibration procedure, read and set the chain speed, free-running stopping time, etc. The chain speed at the time of release and chain stopping time are recorded in the console.

The moment of inertia of rotating parts (ISO 11393-1:5.3.2.3) is calculated during project. The measurement of moment of inertia around pivot is made by a photoelectric system that is supplied with equipment and the result is showed on console.

The lateral stiffness of the saw unit and guide bar is verified and guaranteed during assembly process of the equipment and can be measured by an extra device.

The fixture system of the test rigs is pneumatic system that allows a simple and quick adjustment and installation, independently of the test position.

For safety purposes, the equipment has a protective cover which doors have an electrical interlock system that doesn't allow the chain works, without doors closed. During the test and until chain is completely stopped, it isn't possible open de doors.

Chain lubricant system is also incorporated.

<u>This equipment fulfils EC safety standards.</u> A conformity certificate is issued	Certificate of conformity with test standards and a Workshop certificate are issued
<u>The origin of this equipment is PORTUGAL.</u> A certificate will be is issued at dispatch time	Operation manual is delivered with equipment

TECHNICAL DATA			
Characteristics		Standard accessories, included:	
Test Cutting speed (adjustable)	(m/s)	From 19 to 28	
Testing force	(N)	30 ± 0,5	
Calibration force	(N)	15 ± 0,5	
Chain tension, verifiable with a device and a caliper		<ul style="list-style-type: none"> - 3 test rigs to perform the test on vamp area, throat area and leg region, acc. ISO 11393-3; - calibration pad mount fixture, acc. ISO 11393-1:5.5; - device for chain tension measurement; - sizing body for laced footwear, acc. ISO 11393-3:5.1; - 10 calibration pads acc. ISO 11393-1, annex A; - device to measure moment of inertia around pivot, acc. ISO 11393-1, annex C; - device to exert a force of 40 N over the filling material acc. ISO 11393-3:6.1.3; - 1 grinding wheel acc. ISO 11393-1:7.5.1; 	
Lateral stiffness of saw / guide bar verifiable with a special device			
Compressed air	(bar)		At least 6
Voltage	(VAC)		230 ± 10
Frequency	(Hz)		50
Power	(W)		700
Dimensions (F x H x D)	(mm)		1200 x 1000 x 1870
Net Weight (including base)	(Kg)		≈ 100
			EXTRA:
			<ul style="list-style-type: none"> - Grinding equipment; - Device for lateral stiffness calibration.

Due continuous technical development, we reserve the right to introduce product changes, without previous notice.