

METALLURGICAL TESTING DIVISION

DESTRUCTIVE/NON DESTRUCTIVE TESTING

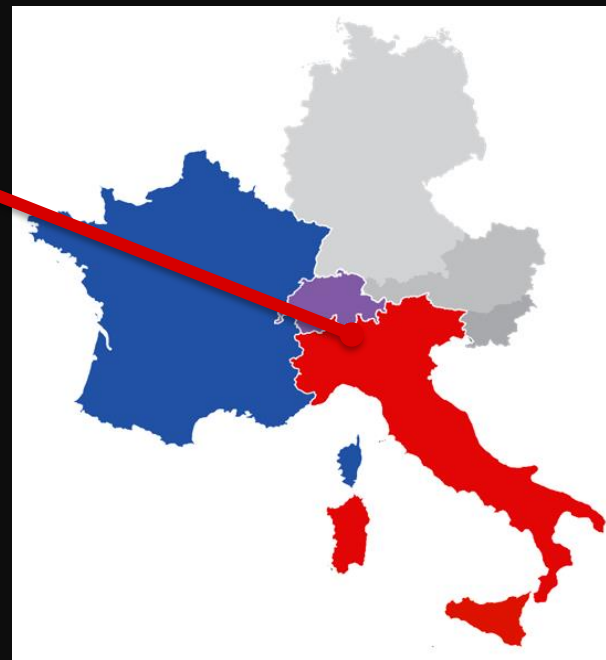
WE MAKE TESTING EQUIPMENT SINCE 1985



A company born from the love of challenges based on high technology.

That's **EASYDUR**, a company that produces testing and measuring instruments that ensure maximum precision and reliability, certified according to ISO 9001.

The wide range of measuring instruments for tensile and compression torsion and hardness tests, and the advanced vision systems for image analysis reply to the most varied demands, and can also be customised, since **EASYDUR** develops in-house both the software and the hardware.



UTM: UNIVERSAL TESTING MACHINES

TENSILE, COMPRESSION, BENDING, SHEARING



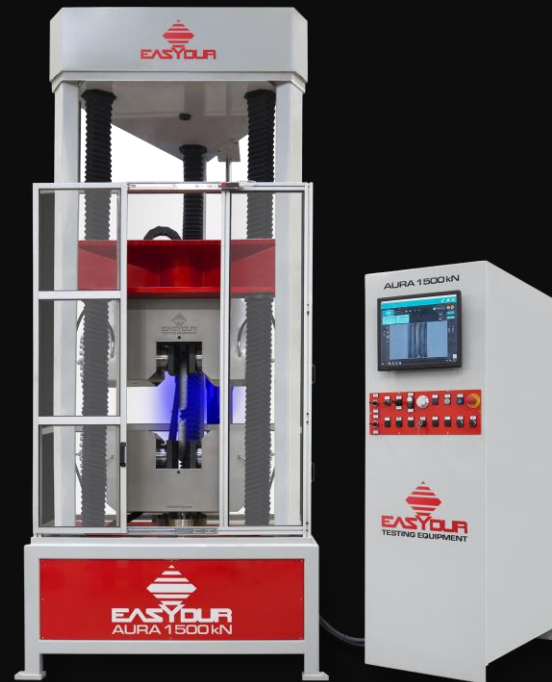
DYNO TENSILE
Up to 500 kg



3MZ TENSILE
Up to 50 kN



AURA TENSILE
Up to 600 kN



AURA HIGH-LOAD
Up to 1500 kN



INDUSTRY 4.0 interfaceable with Management Software

UTM: UNIVERSAL TESTING MACHINES

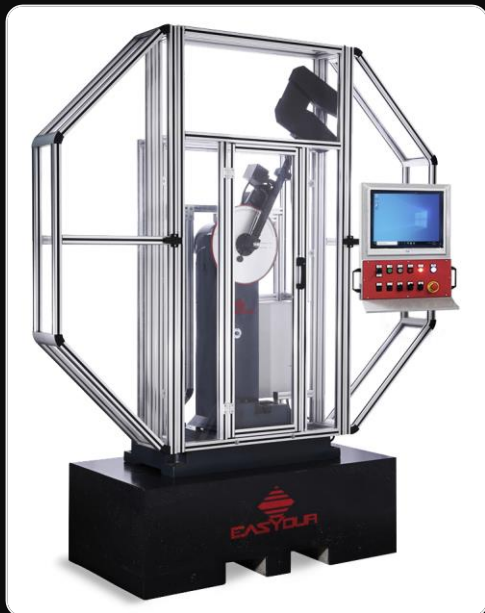
FURNACES, CLIMATIC CHAMBERS, VIDEO EXTENSOMETERS AND FULLY CUSTOMIZABLE GRIPS



AURA TENSILE equipped with furnace and video extensometer, complete of custom grips for high-temperature tests

IMPACT TEST FOR METAL

CHARPY PENDULUM AND SPECIMEN NOTCH BROACHING MACHINE



CHARPY PENDULUM
300 J, 500 J, 750 J



SPECIMEN GRIP



THERMOSTATIC BATH



**AUTOMATIC
BROACHING MACHINE**



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HARDNESS TESTERS WITH INTEGRATED MILLING SYSTEM



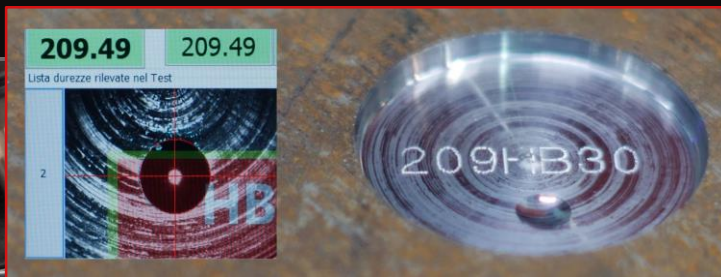
CLEANING PROCESS
INTEGRATED MILLING



HARDNESS TEST
BRINELL



AUTOMATIC READING
WITH AUTOFOCUS



NEW!
INTEGRATED MARKING SYSTEM

Possibility of mounting a
TANGENTIAL MILLING SYSTEM
For surfaces with no sharp
edges



STANDARD

TANGENTIAL

HARDNESS TESTERS

PRODUCTION PLANT HARDNESS TESTERS



EASYFLAG 3000

Fully automatic Brinell hardness tester in feathered position, with hardness testing surface up to 5.500x3.250 mm.

MINI EASYFLAG 3000

Hardness tester in feathered position with manual positioning of the axes and testing surface up to 2.650x2.000 mm.

Both the models are perfect for forges and all those sectors need to test big metal pieces. The Easydur Revolver Head, with its integrated milling system, allows to perform a full test in less than 1 minute.



REVOLVER HEAD INTERFACEABLE WITH EXISTING PRODUCTION LINES



INTEGRAL TUBES



PORTAL EASY 3000

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HARDNESS TESTERS

PORTALS (7-20 m)



CNC CONTROL, VARIOUS SIZES, VARIOUS
USES, FROM FORGES TO DEFENSE, FROM
RAILROADS TO OIL AND GAS

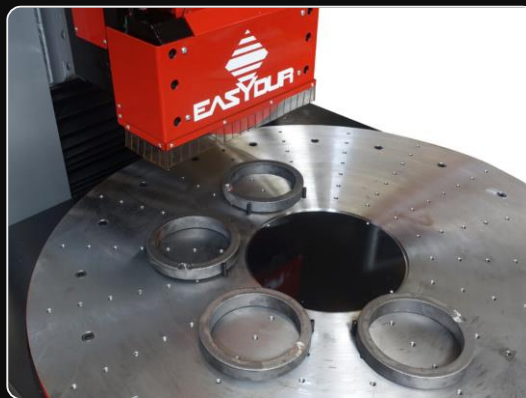
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HARDNESS TESTERS



EASyrings: DEVELOPED FOR TESTS ON LARGE RINGS. THE COLUMN WITH THE REVOLVER HEAD CAN TILT BY 90° AND PERFORM TESTS BOTH ON THE TOP AND THE SIDE OF THE PIECES

INTEGRAL ROTARY
THE ADVANTAGE OF THIS SOLUTION IS THE OPPORTUNITY TO SPEED UP THE HARDNESS TESTING PROCESS, THANKS TO THE POSSIBILITY OF POSITIONING SEVERAL SPECIMENS ON THE MOTORIZED ROTARY TABLE.



PERFECT FOR SMALL PIECES...



... OR A SINGLE BIG COMPONENT

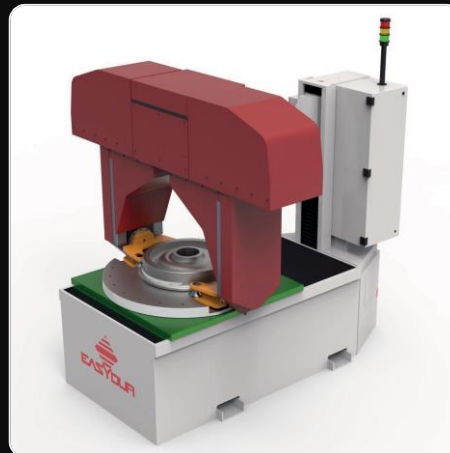
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HARDNESS TESTERS

LINE INTEGRATION



OUR SOLUTIONS CAN BE SPECIFICALLY DEVELOPED AND MANUFACTURED TO BE INTEGRATED INTO ADVANCED SYSTEMS, LIKE THOSE COMPLETE OF **AUTOMATED FORKLIFTS** AND **QR/BARCODE READERS**, IN ORDER TO BE ABLE TO PERFORM **100% TESTS**



DEPENDING ON EACH CUSTOMER'S NEEDS, OUR SOLUTIONS CAN WORK WITH **CRANES**...



... OR **CONVEYOR SYSTEMS**

INDUSTRY 4.0 interfaceable with Management Software

HARDNESS TESTERS

BRINELL



EASYBRINELL PORTABLE PROBE FOR AUTOMATIC
IMAGE ANALYSIS FOR BRINELL TESTS



INTEGRAL UNIVERSAL IS A
HARDNESS TESTER **WITH 12 SLOTS**
ABLE TO PERFORM MULTIPLE TESTS
ACCORDING TO **DIN-ISO ASTM DIN**
REGULATIONS



INTEGRAL REVOLVER TAKES ADVANTAGE
OF THE **EASYDUR REVOLVER HEAD WITH 8**
SLOTS WHICH GRANTS ENOUGH SPACE FOR
THE MILLING SYSTEM, THE READER AND
MULTIPLE INDENTERS FOR THE MOST
COMMON HARDNESS TEST STANDARDS

INDUSTRY 4.0 interfaceable
with Management Software

HARDNESS TESTERS

CUSTOM STAND-ALONE SOLUTIONS



INTEGRAL IN LINE



SERIAL INTEGRAL

INDUSTRY 4.0 interfaceable with Management Software

OUR AIM IS AN ONGOING **TEST** OTHER BUSINESS UNITS



360° SPRING TESTERS

- Compression & Tension Testers
- Torquemeters
- Image Analysis
- Dynamic Stress Tests
- 100% Production control Automation



RAILWAY BUSINESS UNIT

- Compression Chasse Test
- Dynamic Damper Test
- Bogie Test Stand
- Dynamic Compression and Tension
- Wheels Hardness Tester



THANKS FOR YOUR ATTENTION!



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