



# 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 **EASYPUR**, 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 **EASYPUR** 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



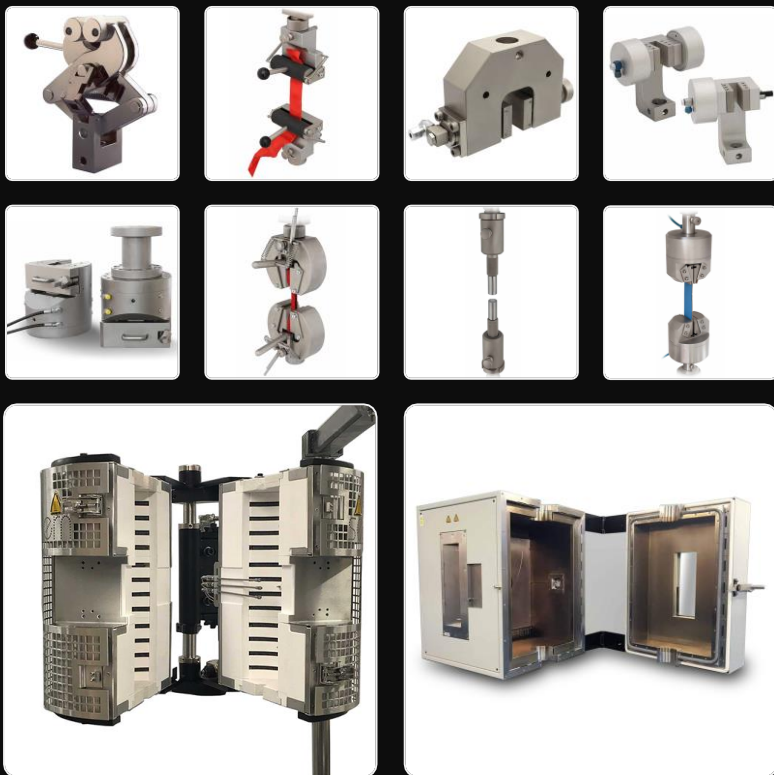
**AURA HIGH-LOAD**  
Up to 1500 kN



**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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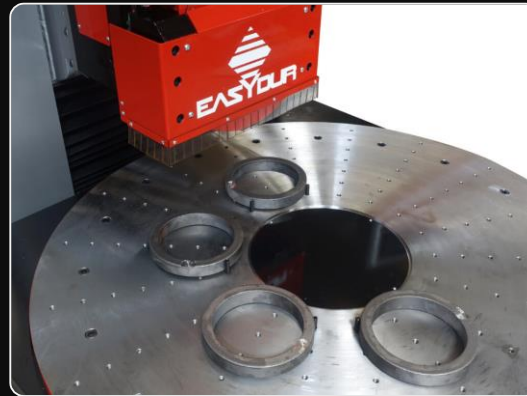
# HARDNESS TESTERS



**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...

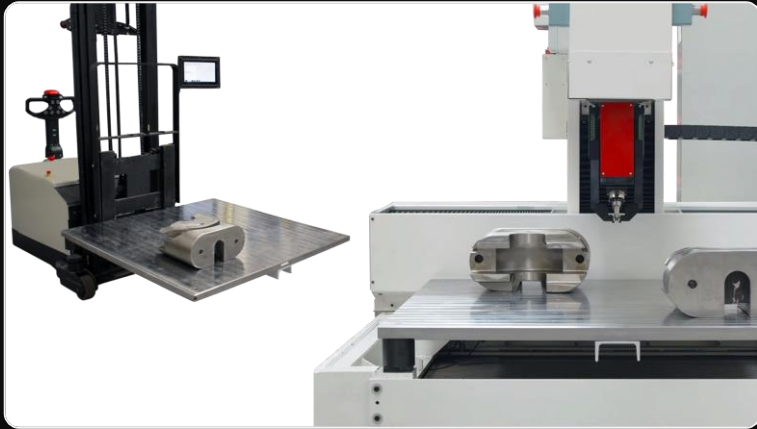


... OR A SINGLE BIG COMPONENT

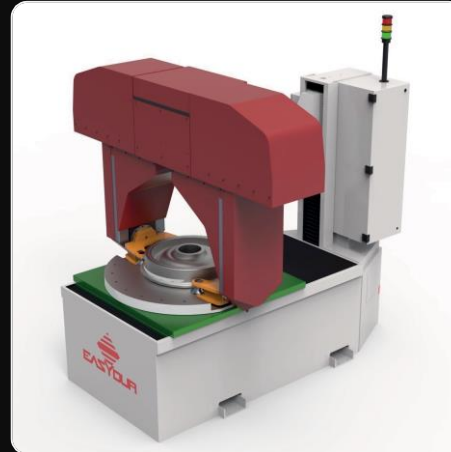
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# HARDNESS TESTERS

## 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**

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# 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

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



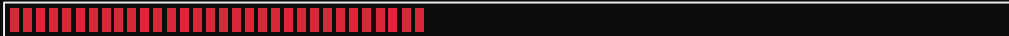
## **360° SPRING TESTERS**

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



## **RAILWAY BUSINESS UNIT**

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



THANKS FOR **YOUR ATTENTION!**



[www.easydur.com](http://www.easydur.com)



[info@easydur.com](mailto:info@easydur.com)



Via Maja 5 - 21051  
Arcisate (VA) - Italy  
Tel. +39 0332 203626  
Fax +39 0332 206710