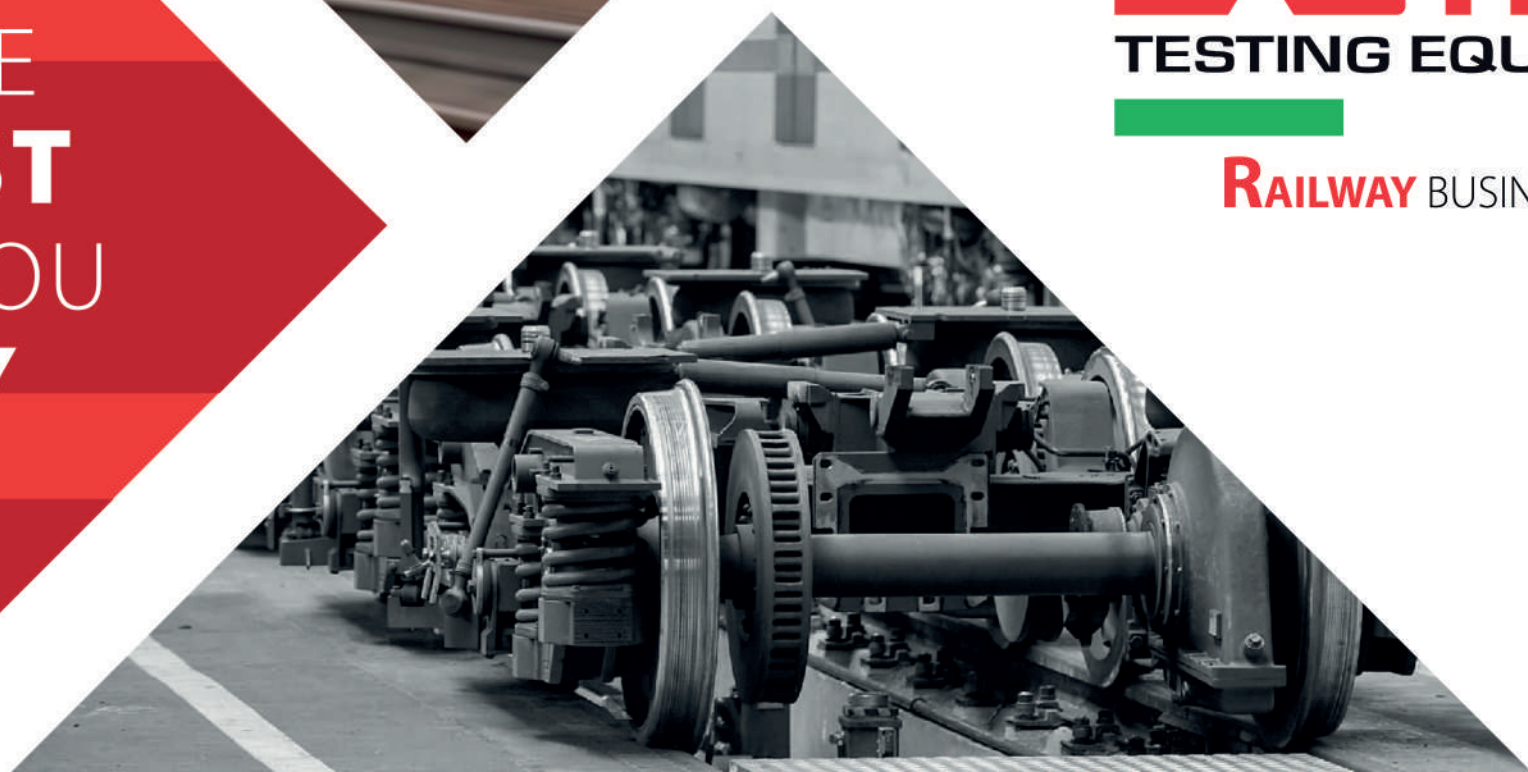




WE
TEST
YOU
TRY



RAILWAY BUSINESS UNIT





OUR **APPLICATION
FIELDS...**

RAILWAY **VEHICLES**

AIR SPRINGS

HELICAL SPRINGS

RUBBER SPRINGS

SHOCK **ABSORBERS**

DAMPERS

STATE
RAILWAYS

**METRO
MAINTENANCE
DEPOTS**

RAILWAY
**MAINTENANCE
DEPOTS**

WE
TEST
you **TRY**

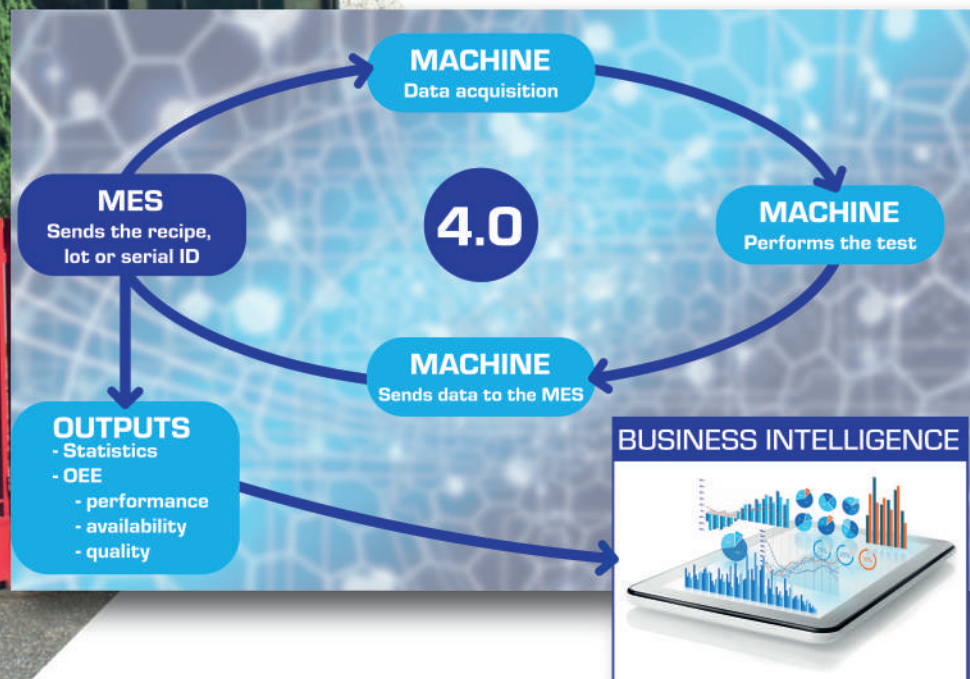
PRODUCTION, SALE AND SUPPORT **100% MADE IN ITALY**

We manufacture mechanical testing equipment since **1985**. With more than 1.200 machines sold all around the world, Easydur is one of the top manufacturers in the field of quality control.

Thanks to multiple partnerships with local and international partners and dealers, we have established commercial relationships and provide after-sale services **all over the world**.

Easydur always follows with pride its **tailor-made** policy, consistently aiming at supplying equipment with the **highest technological content**.

EASYDUR





HELICAL SPRINGS

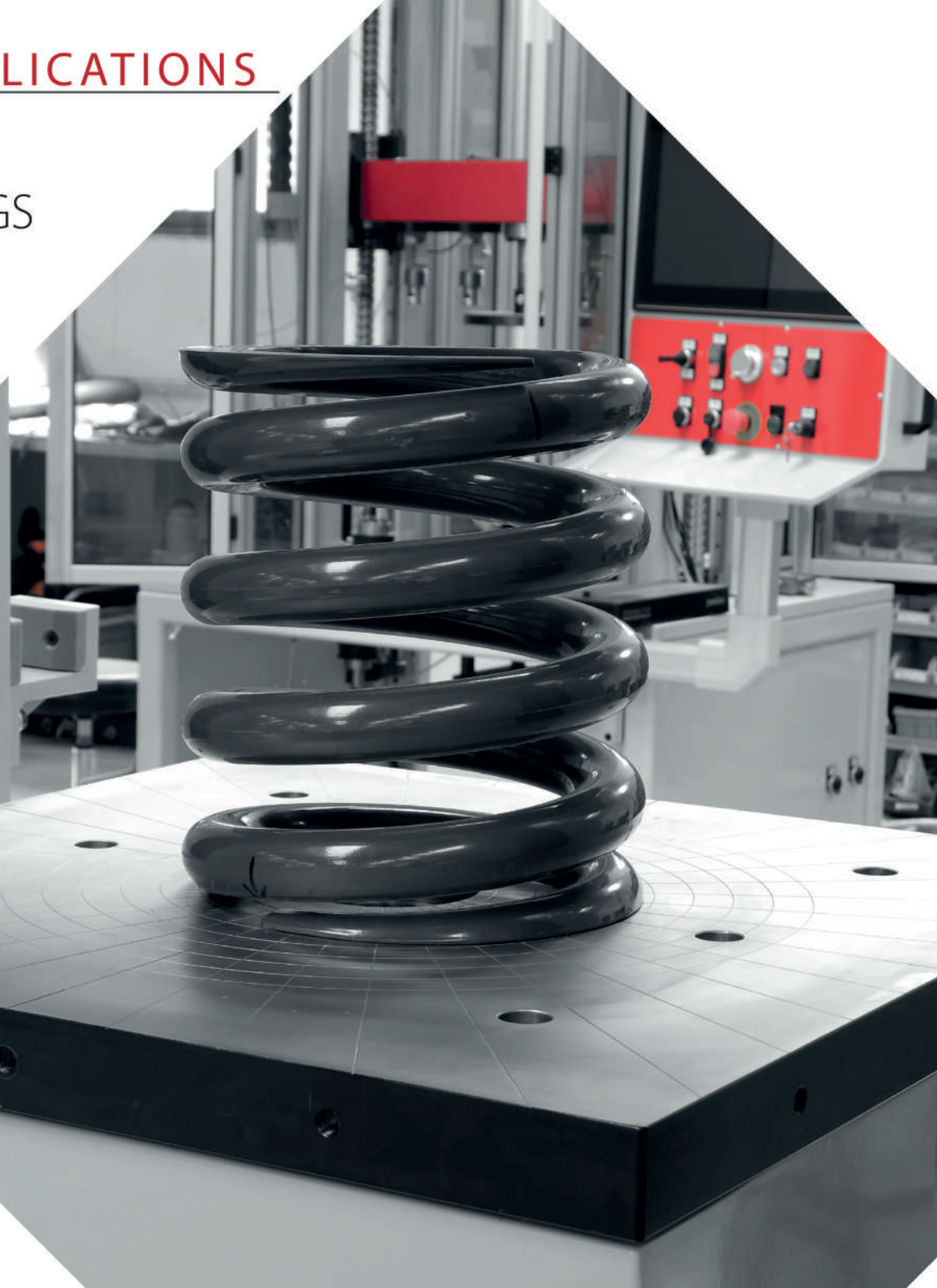
APPLICATIONS

AIR
SPRINGS

RUBBER
SPRINGS

CHEVRON
SPRINGS

RAILWAY **VEHICLES**



SECTORS

PRIVATE
MAINTENANCE
DEPOTS

STATE
RAILWAYS

METRO
MAINTENANCE
DEPOTS

SPRING
MAKERS

STANDARD: EN 13298

SERVOELECTRIC

AURA CHASSE FROM 100 kN TO 600 kN

FULL MOTORIZED MULTI-LOAD CELL PLATFORM
AUTOMATIC TRANSVERSE STIFFNESS (EN 13298 ch. 7.3)

INTERFACEABLE WITH:

- MARKING MACHINES
- QR CODE READERS
- AUTOMATIC FEEDERS



WORKING TEST HEIGHT

1.200 mm (higher upon request)

SPACE BETWEEN COLUMNS

1.000 mm (higher upon request)

FORCE RANGES

100/200/300/600 kN

PRECISION CLASS

0.5

CHASSE DISPLACEMENT

+/- 100 mm

TRANSVERSAL STIFFNESS

Automatic (full motorized platform)

ACTUATOR

Servo electric

SPEED

From 1 to 3 m/min.

APPLICATIONS

AIR SPRINGS

RUBBER SPRINGS

CHEVRON *SPRINGS*

TRAIN
METRO
TRAM
BOGIES

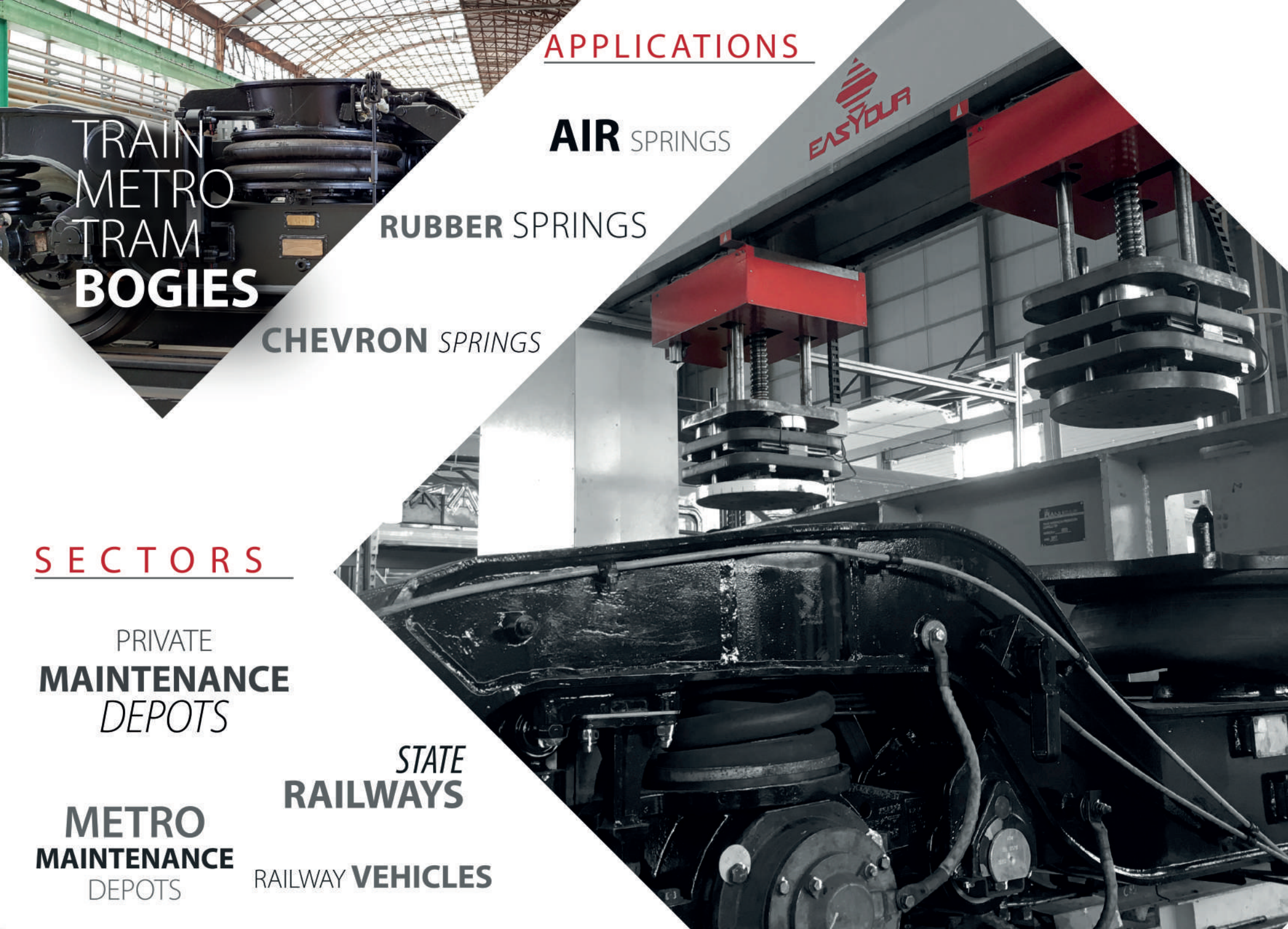
SECTORS

PRIVATE
MAINTENANCE
DEPOTS

STATE
RAILWAYS

METRO
MAINTENANCE
DEPOTS

RAILWAY **VEHICLES**



BOGIE TEST STAND 100% CUSTOMIZED

2 OR 3 AXLE BOGIES

SERVO ELECTRIC

EASYOUR

EASYOUR

VERTICAL TESTING SPACE

1.572 mm (higher upon request)

HORIZONTAL TESTING SPACE

3.300 mm (higher upon request)

VERTICAL AXIS STROKE

815 mm (higher upon request)

SPEED

Up to 600 mm/min. (higher upon request)

FORCE RANGES

150 + 150 / 200 + 200 / 600 + 600 kN

CHASSE OFFSET

50+50 mm

PRECISION CLASS

0.5

DATA ACQUISITION SPEED

1000 Hz

ACTUATOR

Servo electric

MAIN TESTING OPERATIONS

Compression **Load** test

Measuring of **wheel diameters** (manual or automatic)

Leakage of pneumatic springs and air-brakes

Automatic **shim** calculation

Wheel **distance** measuring

Axle angle

Axle distance, angle, parallelism, diagonal distance

Detection of **tilting angle**

Wheels **weight**

Bogie **weight**

X-axis movement of the pressers along the crossbar

Height Level Unit (automatic)

Bogie **centering** (manual or automatic)

All custom requests

OVER FLOOR OR PIT VERSION



SHOCK
ABSORBERS
DAMPERS

APPLICATIONS

SHOCK
ABSORBERS

DAMPERS

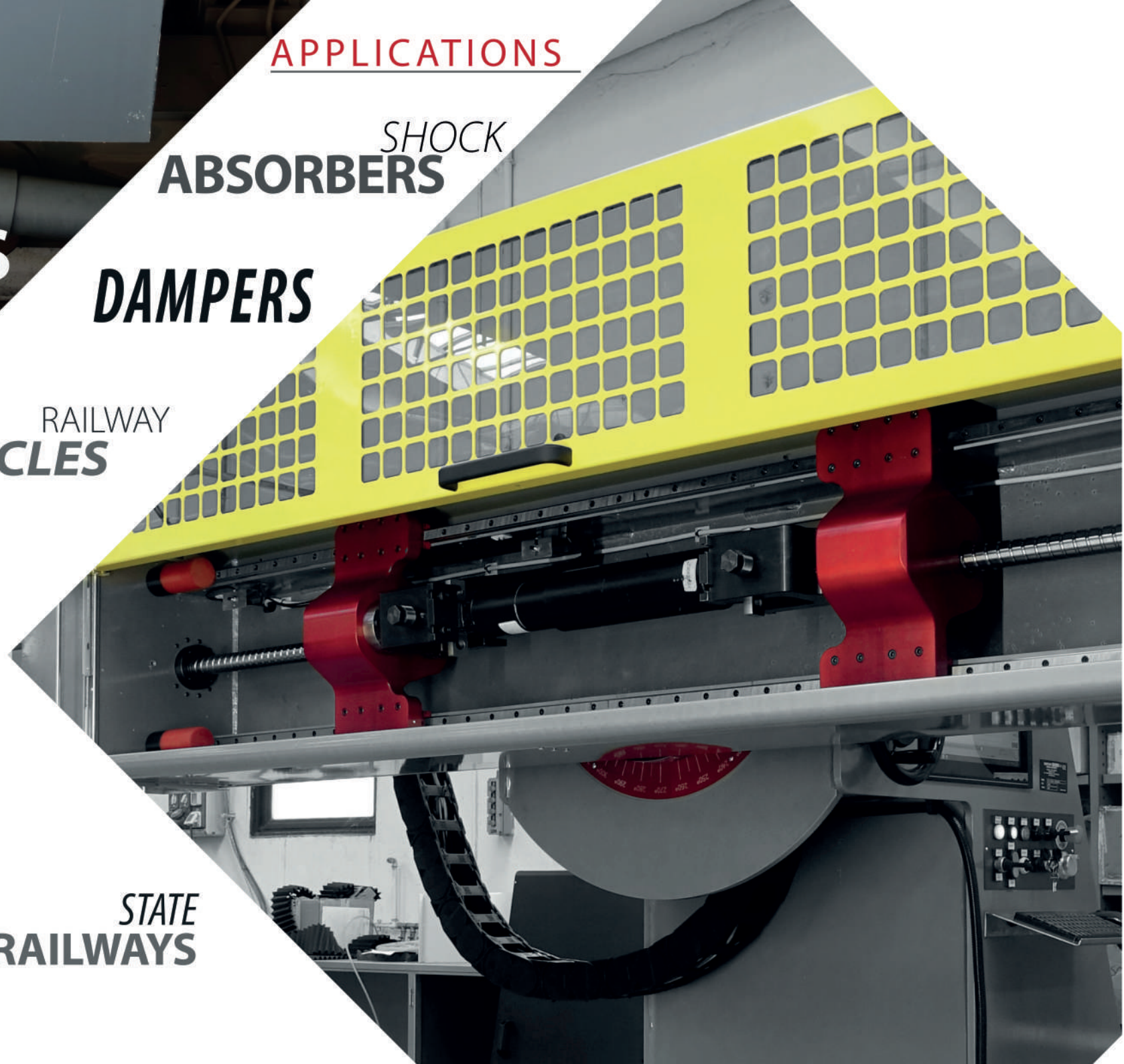
RAILWAY
VEHICLES

SECTORS

RAILWAY
MAINTENANCE
DEPOTS

METRO
MAINTENANCE
DEPOTS

STATE
RAILWAYS

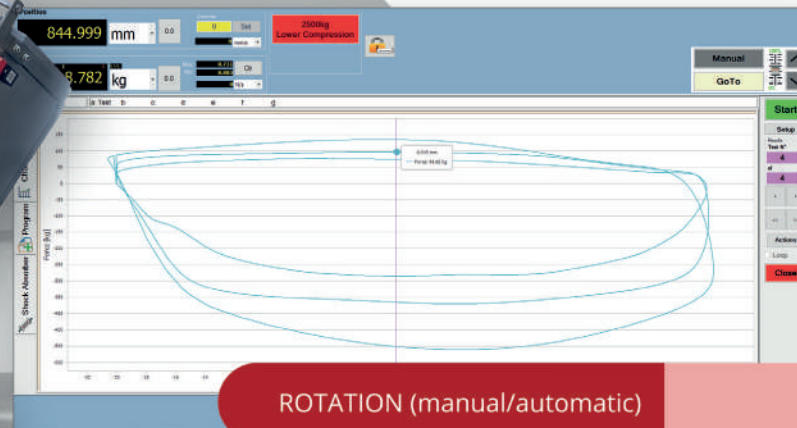


DYNAMIC DAMPER TESTING MACHINE

STANDARD: EN 13802

SERVO ELECTRIC

MOTORIZED ARM *ROTATION*



ROTATION (manual/automatic)

-15° +95° (total 110°)

LOAD (according to standard)

25 kN

MAX ACCELERATION

20 m/s² (2 G)

SPEED

up to 500 mm/s (0.5 m/s)

STROKE

0 - 1500 mm (between clamps)

ACTUATOR

Servo electric

DAMPER MOVEMENT

Sinusoidal

PROGRAMMABLE PARAMETERS

Amplitude, Frequency, Speed, Number of cycles

POWER SUPPLY

3 Phase 380 V 50 Hz





LEAF
SPRINGS
AIR
SPRINGS

SHOCK **ABSORBERS**

HELICAL SPRINGS

APPLICATIONS

RAILWAY
CARGO

RAILWAY **VEHICLES**

AIR SPRINGS

RUBBER
SPRINGS

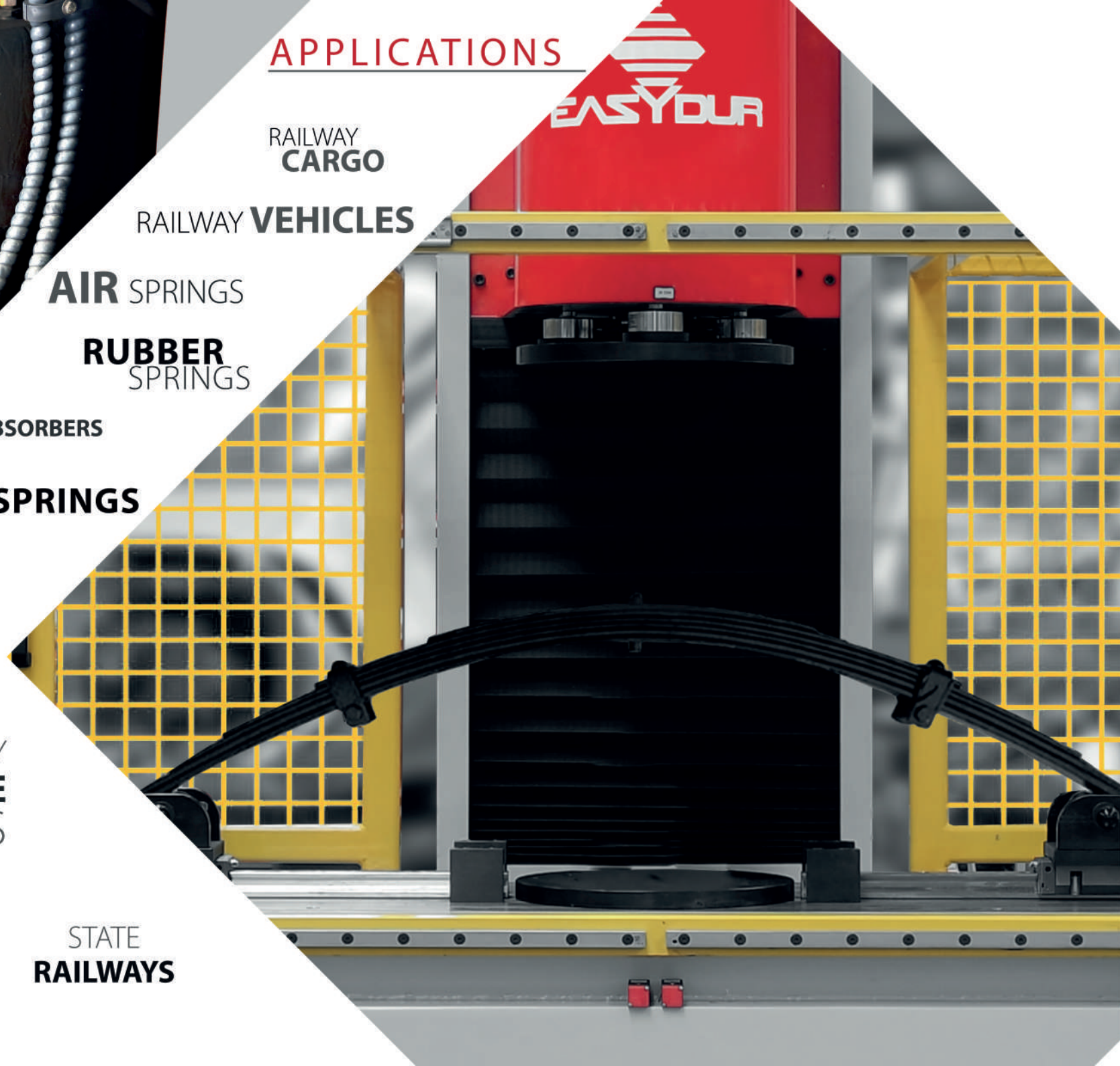


SECTORS

RAILWAY
MAINTENANCE
DEPOTS

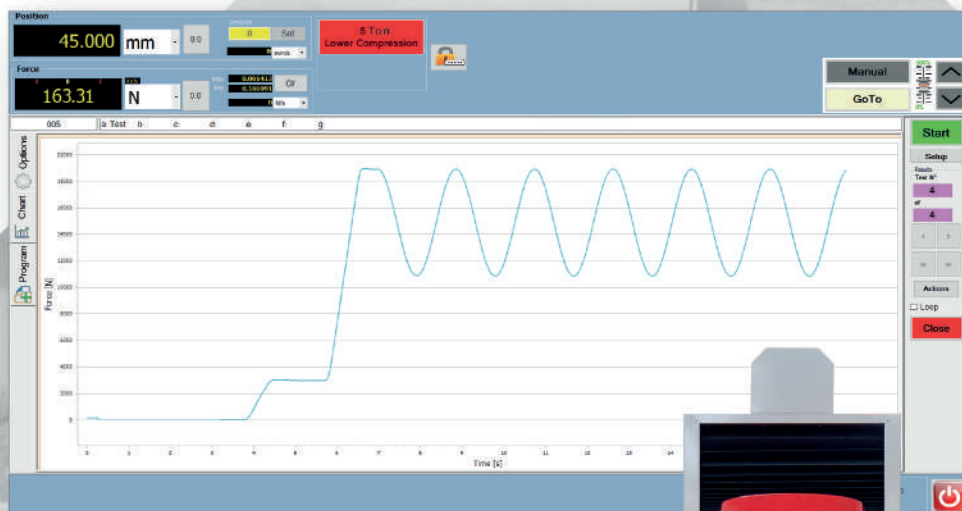
METRO
MAINTENANCE
DEPOTS

STATE
RAILWAYS



LEAF SPRING TESTER MOD. ARCO (UP TO 600 kN)

SERVO ELECTRIC



WORKING TEST HEIGHT

900 mm (higher upon request)

MAX. TESTING WIDTH

2.640 mm (higher upon request)

FORCE RANGES

50/100/200/300/400/600 kN

PRECISION CLASS

0.5

ACTUATOR

Servo electric

DATA ACQUISITION SPEED

1000 Hz

SPEED

Standard 500 mm/min. (higher upon request)

OPTIONAL:
*LATERAL
DISPLACEMENT
DETECTION*





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