

# Spring Testing NST





## High Requirements Demand High Precision

## **AVOID CHANGING BY TESTING!**

- « Detailed and precise measurement of spring parameters of different spring elements
- « Testing in accordance with international standards with corresponding documentation
- « Testing of spring elements prior to installation in bogies after maintenance
- « Incoming inspection of new springs
- « Measurement of axial stiffness and lateral force and displacement
- By testing used springs, any springs that are still usable can be reused:
  Avoid changing by testing!

# « Specialists Serving Specialists





NST-100E

NST-250E



## State-of-the-Art Technology

### DRIVE SYSTEM

- « Driven by servo motor and spindle
- « High accuracy, low energy consumption and low maintenance costs

### FORCE MEASUREMENT

« High measuring accuracy thanks to modern 3D measuring technology

## CLOSED SYSTEM - PLUG & PLAY

- « No complex installation necessary
- « High level of safety for operators
- « No additional barriers / light barriers necessary
- « Easy relocation Plug & Play

## « Save Time and Money

## SAFE AND ERGONOMIC OPERATION

- « Fully automatic test sequence
- « Test Press can be easily relocated
- « Intuitive operation and handling
- « High level of personal safety for operators
- Secured hold in case of emergency stop and power failure

## INCREASE IN COST-EFFECTIVENESS

- « Short test cycle time
- « Reuse of used springs
- Low life cycle costs thanks to energy-efficient and maintenance-friendly design

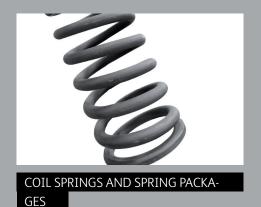
## HIGH QUALITY

- High measuring accuracy
- « High-quality, industrial-grade materials
- « State-of-the-art production processing
- « Long-lasting design
- « Worldwide customer service

### HIGH SAFETY IN TRAIN OPERATION

- « Increasing derailment safety
- « Reduction of noise emissions
- « Reduction of wear on wheel and rail

# « Hardly Any Limits! Testable Elements:







**CONICAL SPRINGS** 

LEAF SPRINGS







CHEVRON SPRINGS

**AIR SPRINGS** 

CUSTOMIZED APPLICATIONS

# « Technical Data

MODEL	NST-100E	NST-250E
Max. Test Force	100 kN	250 kN
Max. Velocity	60 mm/s	60 mm/s
Spring dimension:		
Length	800 mm	1000 mm
Max. Diameter	500 mm	600 mm
Max. Stroke	700 mm	900 mm
Machine Dimensions (L x W x H)	1800 x 1400 x 2250 mm	2100 x 1600 x 2450 mm

### « Contact and Further Products

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