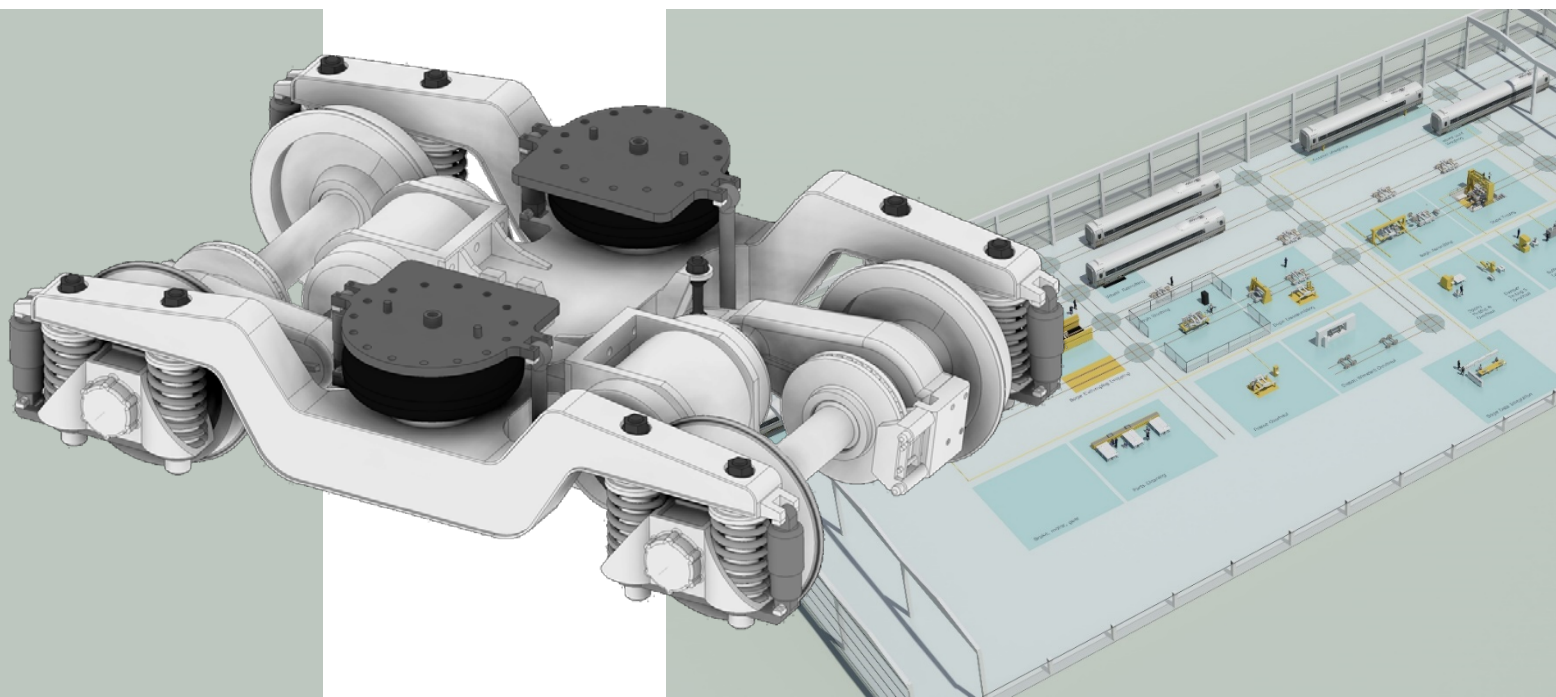


# We proudly present you a lot of innovations...

## for Integrated Bogie Workshops



## You have the bogie – we have the solution



### Nencki Ltd.

Railway Technology  
Aarwangenstrasse 90  
CH-4901 Langenthal  
Email: [railway@nencki.ch](mailto:railway@nencki.ch)

[www.nencki-railway.ch](http://www.nencki-railway.ch)

# Innovations for the bogie testing

On a functional model, we will demonstrate

## The Evolution hydraulic for the load application

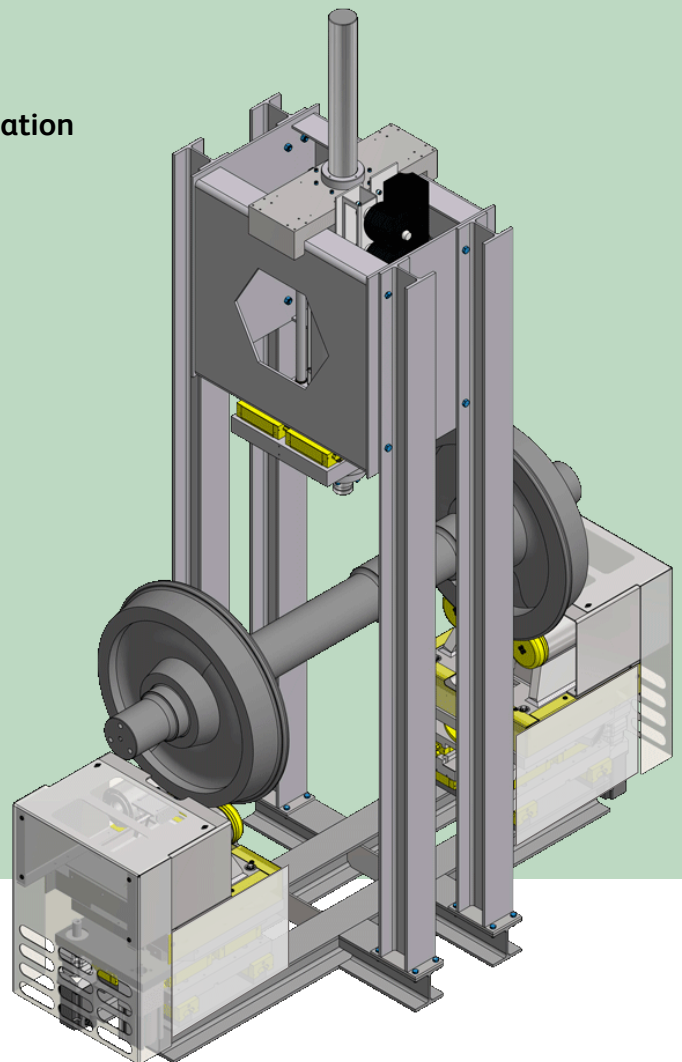
- High precision of the load application
- Noise level < 65 dB(A)
- Reduced energy consumption
- New wheel measuring carriage with modified drives
- Wheel diameter measuring function

## New fully automatic primary shim plates simulation

## NBT Soft 4.0

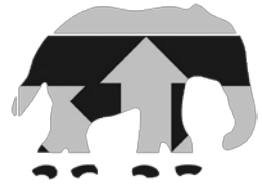
The next generation software for the bogie testing

- New design
- More user friendly
- Fast preparation of the new test programs
- DIN 25043-7 oriented
- Prepared for easy integration  
(Industry 4.0)



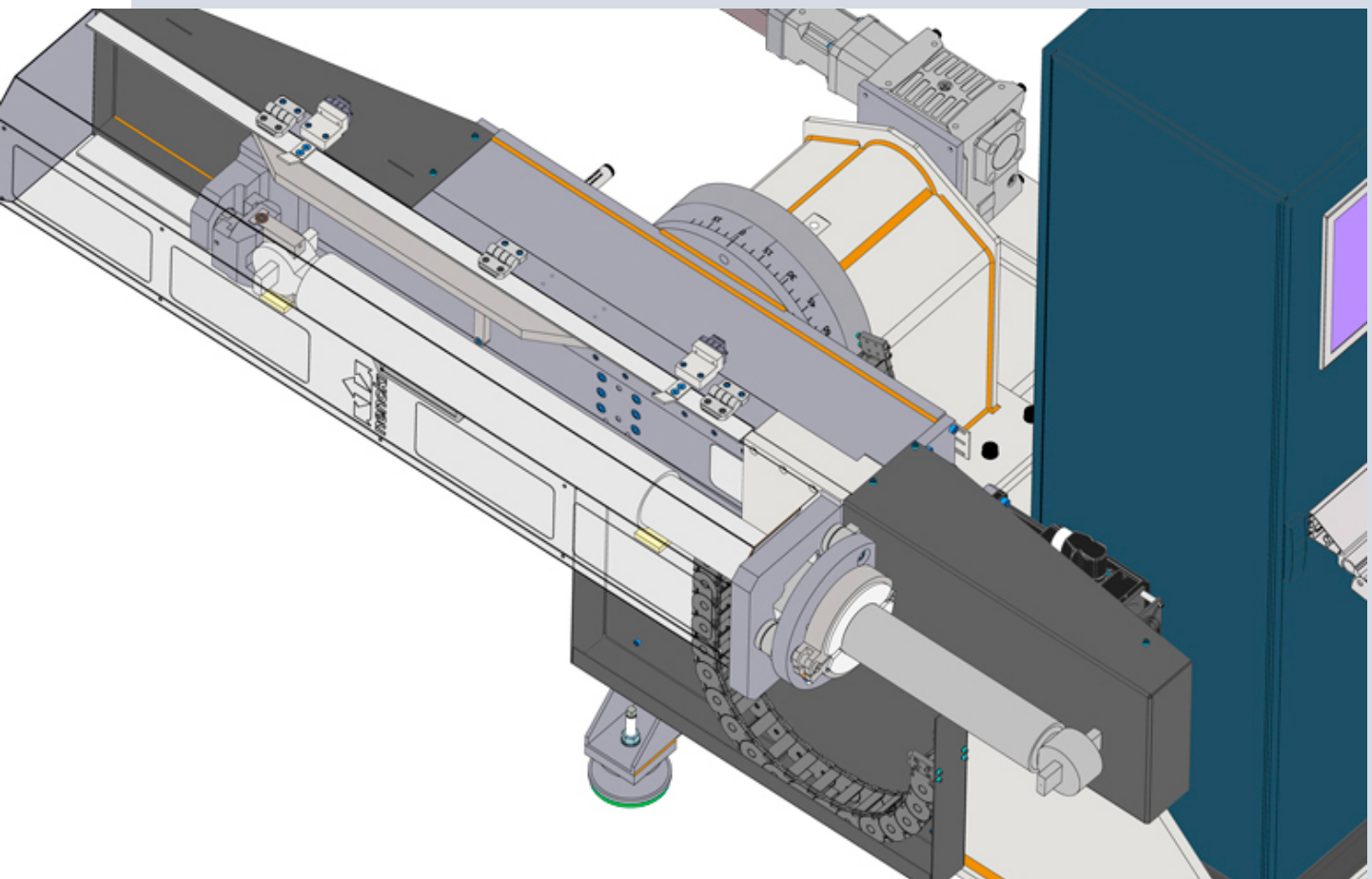
## Nencki Damper Test Stand

# NDT „Jumbo“



The bigger brother of the well establish Nencki damper testing machine NDT will be presented.

- Testing of dampers up to 2000 mm Length
- With fully automatic angle positioning



## Nencki Spring Test Press

# NST E

The main features of the innovative Nencki machine include:

- Up to 250 kN test load, for springs up to 1'000mm length
- Servo-controlled load application that guarantees low life cycle costs and high precision
- Measurement of forces in three axes to determine axial, horizontal rigidity and bending angles and forces
- Fully automatic testing
- Latest software technology programmed by Nencki
- User-friendly programming
- Highest precision with
- Repeat accuracy  $\pm 50$  N
- Accuracy class 0.5 according to ISO 7500-1



## Determination of the correct test load for the bogie test bench

### Corner load measurement

Determining the correct loads that a vehicle transfers to a bogie

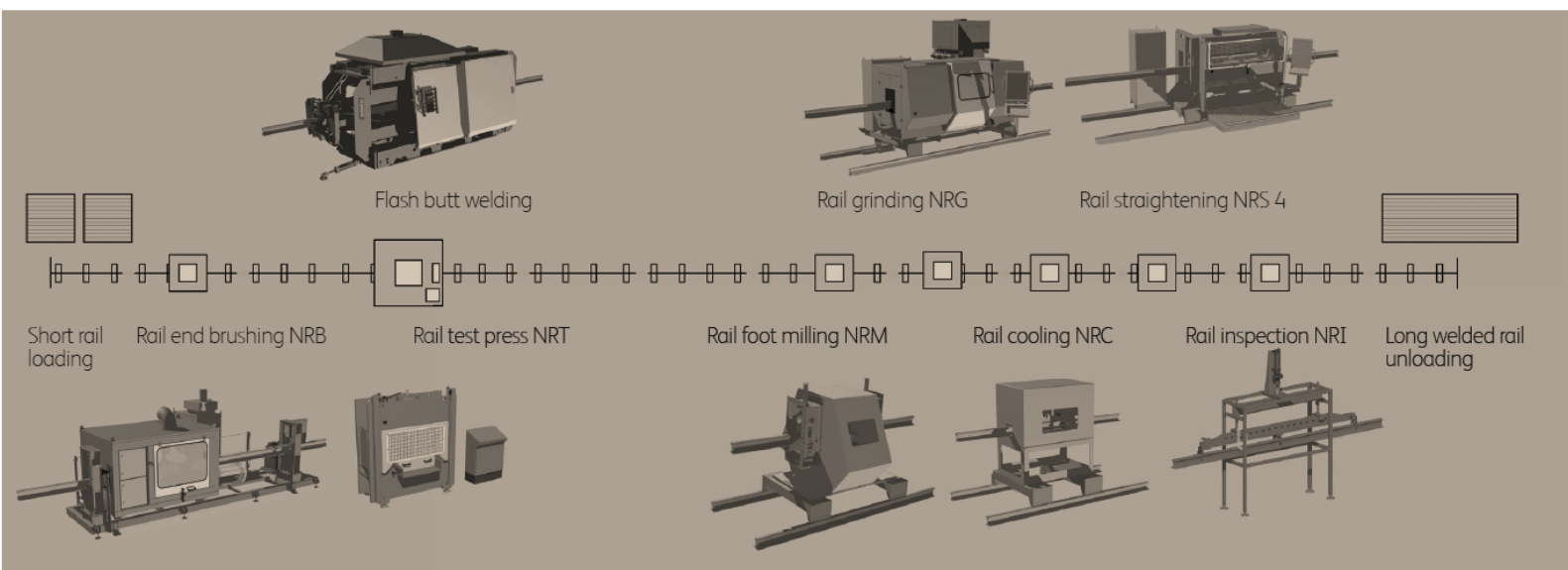
According to DIN 25043-4

In cooperation with





# Competence for stationary Rail Welding Plant



Nencki machines for rail processing in stationary welding plants for long welded rails are in operation all over the world. The range includes the machinery and equipment before and after the welding process.

Nencki is able to design and supply complete rail welding plants together with partners including rail transportation equipment and integration of all involved systems.

We offer:

- Rail brushing machine NRB
- Rail grinding machine NRG
- Rail straightening press NRS 4
- Nencki Test press for welded rail joints NRT
- Rail inspection device NRI



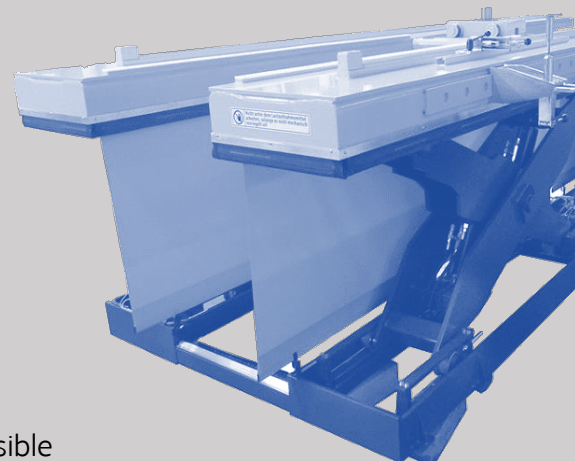
## Bogie Assembly/Disassembly



**NBA, *new* in  
our assortment**

The Nencki Bogie Assembly Stand NBA designed as an aid for the assembly and disassembly of bogies is characterized by the following advantages:

- Compact, stable construction
- Optimum accessibility
- Stepless height adjustment up to 1'600 mm
- Stepless adjustable and adjustable supports Placement aids
- Roll-off safety devices
- Feeding device for drawing in the bogie frame
- Placement above ground or underfloor
- Mounting directly in front of the Nencki bogie test bench possible







*visit us in Hall 23*

## Meet us at the Innotrans 2018

Our team on the spot



Walter Kellenberger



Jürg Roth



Alexey Leontiev



Thomas Schertenleib



Markus Strebel



Marianne Flückiger



Seppi Käppeli



Quentin Kohler





*visit us in Hall 23*

## Interested?

I am looking forward to meeting with you at InnoTrans and would like to reserve a meeting

on ..... with/for the purpose of .....

Unfortunately, I am not able to visit InnoTrans, please send me information regarding

- ☐ Integrated bogie workshops
- ☐ Competence in bogie testing
- ☐ Competence in spring testing
- ☐ Competence in damper testing
- ☐ Bogie handling / assembling
- ☐ Bogie frame check
- ☐ Planning of an integrated bogie workshop
- ☐ Machines for stationary flash butt welding plants
- ☐ Please visit us (personal consultation)
- ☐ .....

Company .....

Contact person .....

City .....

Country .....

Phone .....

Email .....

Please return the completed form by email to [railway@nencki.ch](mailto:railway@nencki.ch) or by fax no. +41 62 919 93 90.