

KISWIRE VEROPE® R&D CENTER

REDEFINED TECHNOLOGIES

Basics KV R&D Center

THE RESEARCH AND DEVELOPMENT INSTITUTION KV R&D CENTER IS A COOPERATION BETWEEN KISWIRE AND VEROPE®, WITH FOCUS ON THE DEVELOPMENT OF NEW PRODUCT AND SERVICE SOLUTIONS FOR CUSTOMERS AND PARTNERS ALL AROUND THE GLOBE.





THE ALL NEW KV R&D CENTER GMBH

KISWIRE / VEROPE® ARE COOPERATING MORE THAN EVER!

Kiswire and verope® make another step towards intensifying their cooperation with yet another joint venture organization in order to further increase the focus on research and development.

The verope® know-how in application technology and rope design and the expertise of Kiswire, the largest high carbon steel wire producer in the world in production technology, metallurgy and material engineering, were merged in Contwig, Germany.

Our goal is the development of highly innovative products for lifting applications as well as continuous improvements of our existing products and their components with the aid of state of the art production and testing equipment.

Close cooperation with the leading OEM's, wire rope component producers and universities are key in our application oriented research and development approach.

our team KV R&D Center

MEET OUR TEAM

OF ROPE TECHNOLOGY EXPERTS

verope is continuously hiring to meet the highest standard in customer satisfaction.

Need assistance? We are always at your service. Tel: +49 (0) 6332 488 70 24



→ THIERRY VERREET

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→ VIKTOR JUNKER

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→ MORITZ BÄCHLE

Rope Analysis

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Additionaly, we are supported by the "Rope Pope":

→ ROLAND VERREET Chief Technical Consultant



overview KV R&D Center

TESTING FACILITIES

DESTRUCTIVE TESTING EQUIPMENT

→ TENSILE TEST MACHINES

- Quasistatic tensile test up to 50kN/300kN/2500kN
- Tension tension fatigue test up to 210kN
- Creep test

→ BENDING FATIGUE TEST MACHINES

- Multizone bending fatigue test machine up to 50kN / 198kN
- Torque test machine
- Twist/Torque test Machine up to 300kN

→ WIRE TESTING EQUIPMENT

- Wire reverse bending test
- Wire torsion test

NON-DESTRUCTIVE TESTING EQUIPMENT

FE-SEM:

- Microstructure observation
- Qualitative analysis by EDX

SEM:

- Fractographic analysis
- Microstructure observation
- Qualitative analysis by EDX

Torsion tester:

Determination torsion values of wires

Profile Projector

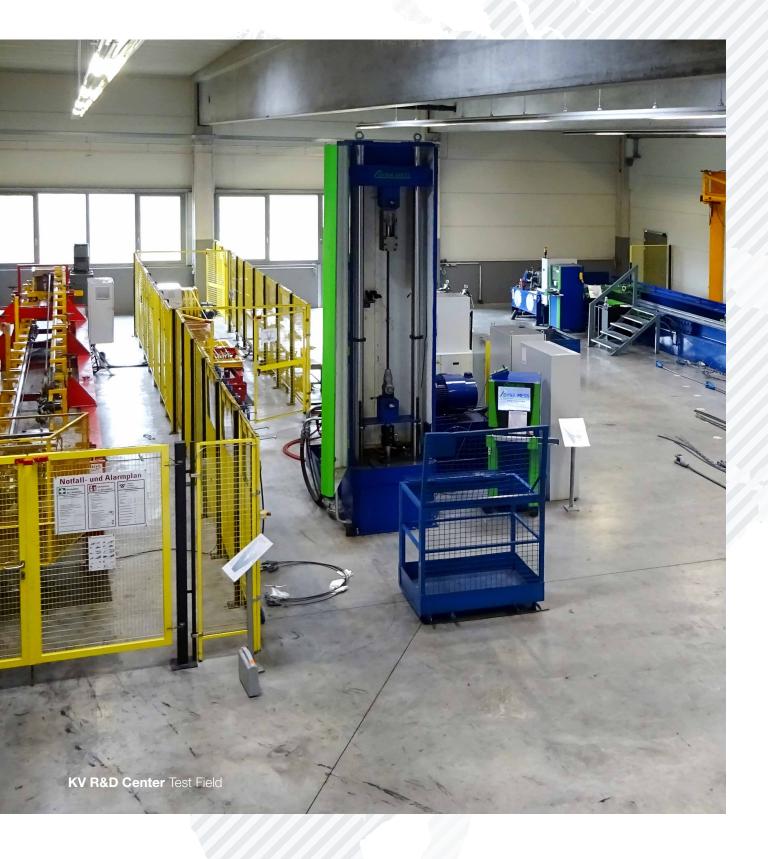
- Analysis of die geometry
- Analysis of wire breaks

Micro Vickers Hardness Test

Determination of material hardness

Rockwell Hardness Tester

Determination of material hardness



KV R&D **CENTER GMBH**

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