

FROM DRESSING TOOLS TO CENTER TIPS – EXPERTISE YOU CAN RELY ON

DR. KAISER products are delivered without individual operating manuals – and for good reason. These high-precision tools are typically used by experienced machine operators and setup specialists, and the wide variety of applications makes universal instructions impractical.

But what if challenges arise?

Our application engineering team combines deep theoretical knowledge with hands-on experience from across the metalworking industry. This makes us the ideal partner to meet the demands of modern manufacturing, push the limits of what's possible, and even rethink dressing and grinding from the ground up.

Through seminars and training sessions – either at our state-of-the-art Grinding Center or directly at your site – we share all the knowledge you need to fully immerse yourself in the world of dressing and grinding. Combining theory and practice, our programs give you the expertise to get the very best performance from your tools.

We look forward to welcoming you soon to our training and testing facilities!

M.Sc. Maximilian Glass
Head of Applications Engineering

Edmund Kellermann
General Manager

Manfred Brinkmann
General Manager

GOOD TO KNOW

- Package price: 1,500 € (also available as individual bookings)
- Limited to 25 participants
- Venue: Grinding Center in Altenhagen

What's included in the seminar?

- Seminar handbook
- Catering

Can I cancel my participation?

- Up to 4 weeks before:
50% of the course fee
- From 1 week before:
100% of the course fee

Registration: seminare@drkaiser.de

For seminars at your own site,
please contact our
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SEMINARS 2026
DRESSING TECHNOLOGY
GRINDING TECHNOLOGY

1ST SEMINAR DAY

dressing technology, 8³⁰ - 16³⁰

Presentation: What is diamond?

Presentation: The grinding wheel

- Multilayer structure
- Why does dressing have to be done?

Presentation: Dressing part 1

- Classification of dressing
- Explanation of terms: overlap ratio, dressing infeed and speed ratio

Practice: simple calculation example

Presentation: Dressing part 2

- Deeper look on the connection of overlap ratio, dressing infeed and speed ratio

Group work in rotation:

- Group 1 presentation: stationary dressing tools – Types and application
- Group 2 practice: grinding test – stationary dressing, conventional grinding wheel

Presentation: Rotary dressing – conventional grinding wheels

- Form-stable dressing rolls
- Types & application

Presentation: Rotary dressing - super abrasive grinding wheels

- Wearable dressing discs
- Types & application

Presentation: Rotary dressing- the dressing spindle system

- Dressing spindle system
- Frequency converter & sensor technology

2ND SEMINAR DAY

dressing technology, 8³⁰ - 16³⁰

Group work in rotation:

- Group 1 Discussion round: Product selection in the grinding process
- Group 2 grinding test - rotary dressing, super abrasive grinding wheel

Practice: complex calculation example for grinding wheel, dressing roll and dressing spindle

Presentation: rotary dressing - plunge dressing

- Profile rolls
- Types & application

Group work in rotation:

- Group 1 Practice: dressing roll and spindle assembly, dressing device
- Group 2 Practice: profile dressing, conventional grinding wheel

**Transfer to the main location & Am Wasserturm“
Factory tour**

- Special tools
- Dressing rolls
- Wear protection parts
- Spindle systems
- Ceramic grinding wheels
- Electroplated grinding wheels

Transfer back to the Schleifzentrum & Altenhagen“ Summary

- Feedback
- Awarding of the participants` certificates

**Dressing
Technology Seminar**
6th and 7th October
Course Duration: 2 days
Course Costs: € 1,100.- plus VAT

3RD SEMINAR DAY

grinding technology, 8³⁰ - 16³⁰

Presentation: What is grinding?

Presentation: Abrasives 1 – conventional

Presentation: Abrasives 2 – super abrasive CBN and diamond

Presentation: Grinding process 1 - direct control variables

- Infeed
- Cutting speed
- Feed rate

Presentation: Grinding process 2 - derived control variables

- Material removal rate
- Speed ratios
- Contact lengths

Presentation: Grinding process 3 - process variables

- Forces
- Temperature
- Process management

Group work in rotation:

- **Group 1:** Practice Process design
- External cylindrical grinding with calculations
- Internal cylindrical grinding

- **Group 2:** Practice Grinding test - external cylindrical grinding
- Grinding speed ratio
- Roundness
- Process optimization

**Grinding Technology
Seminar: Cylindrical Grinding**
8th October
Course Duration: 1 day
Course Costs: € 500.- plus VAT