DR. KAISER
präzision durch diamant

ABOUT US

From the dressing tool to the centering tip DR. KAISER products are delivered without individual operating instructions. This is mainly due to the fact that the use of these complex items is often in the hands of experienced machine operators or setters and the process variety does not allow for any generally applicable rules for use. But what if problems do arise?

Equipped with theoretical and practical expertise from a wide variety of metalworking environments, DR. KAISER's applications engineering is the right partner when it comes to meeting the requirements of modern processes, exploring limits or completely rethinking dressing and grinding.

In seminars and training courses, either in the modern premises of our grinding center or directly in-house, the applications engineering department imparts all the important contents for diving into the world of dressing and grinding. In theory and practice - our customers gain the background knowledge to access the full performance of all tools.

We look forward to welcoming you soon in our new training facility!

Christoph Müller
Division Manager, Applications Engineering

SEMINAR
29.02.-01.03.
Grinding and Dressing Technology

Edmund Kellermann
General Manager

Dr.-Ing. Dirk Hessel
General Manager

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GRINDING AND DRESSING TWO DAY SEMINAR AT S.L. MUNSON IN COLUMBIA SC.

Day 1 Grinding technology

Welcome	08:30 - 08:45
Introduction What is grinding?	08:45 - 09:15
Abrasives 1 - conventional	09:15 - 10:05
Coffee break	10:05 - 10:20
Abrasives 2 - super abrasives CBN & diamond	10:20 - 11:10
Grinding process 1 - direct variables • Infeed • Cutting speed • Feed rate • Cooling	11:10 - 11:55
Lunch	11:55 - 12:40
Grinding process 2 - indirect variables • Metal removal rate • Speed ratios • Contact lengths	12:40 - 13:50
Grinding process 3 - process variables • Forces • Temperature • Process control	13:50 - 14:15
Coffee break	14:15 - 14:30
Process design • OD cylindrical grinding with calculations	14:30 - 15:05
Intro-duction What is diamond?	15:05 - 15:40

Day 2 Dressing technology

Welcome	08:30 - 08:45
Dressing part 1 • Classification of dressing • Definition of the terms: Overlap ratio, dressing infeed and dressing speed ratio	08:45 - 09:50
Coffee break	09:50 - 10:05
Calculating simple examples for part 1	10:05 - 10:50
Dressing part 2 • Deepening of the relationships between Overlap ratio, dressing infeed and dressing speed ratio	10:50 - 11:25
Stationary dressers and application	11:25 - 12:00
Lunch	12:00 - 12:45
Rotary dressing for conventional grinding wheels • Stable form dressing rolls • Types & application	12:45 - 13:20
Rotary dressing Plunge dressing • The profile roller • Types and application	13:20 - 13:55
Coffee break	13:55 - 14:10
Rotary dressing of super abrasive grinding wheels • Self sharpening dressing rolls • Types & application	14:10 - 14:35
Rotary dressing the dressing spindle system • Dressing spindle • Frequency converter	14:35 - 15:00
Summary • Question time • Certificate Handover	15:00 - 15:30

DR. KAISER

Dressing Seminar:
29th February -
01st March 2024
Duration of the course: 2 days
Course costs: 700,- $
Registration:

seminars@slmunson.com
Fax: (803) 929-0507