

H·A·I

Hermes Abrasives Institute

for *your* excellent finish

powered by 

Analyzing abrasive processes and developing the right tools for them is a science in itself – and it's been our focus for almost 90 years.

H·A·I The Hermes Abrasives Institute.

As an innovative, yet traditional German abrasives company with roots going back to 1927, we always claim top-quality products and services. We feel an obligation to this tradition and it is the primary maxim governing our daily dealings.

Hermes Abrasives today:

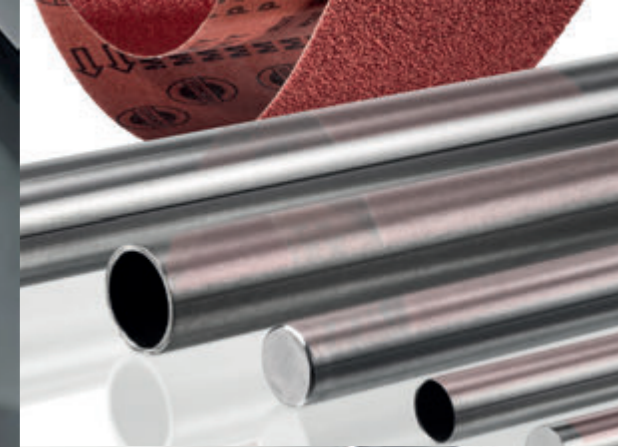
- Approx. 1,100 employees world-wide
- Approx. 160 million Euro annual turnover
- Approx. 13 million sqm annual sales
- Approx. 70 % of group turnover achieved outside Germany
- 10 production facilities and numerous sales offices in all the main industrial and emerging nations
- Complete supplier of coated abrasives, precision bonded abrasives and technical services

Our key market position as one of the most significant manufacturers of abrasives in the world is due to our ongoing research into new abrasive solutions and continued further development of the existing Hermes product portfolio.

The new optimization programs at the Hermes Abrasives Institute (H.A.I.) enable us to provide a customer-focussed combination of consulting services and individual training courses.

H.A.I. services you will appreciate, to make you more competitive:

- Abrasives manuals as a technical guideline for your abrasive process
- Abrasive process optimization from which you benefit
- Lean consulting to consign "waste" in your production processes to the past
- Individual training courses to turn theory into outstanding practice



The H.A.I optimization programs offer you individual services and consulting, as well as training courses which will make you more competitive and successful.

H·A·I Your individual optimization program.

You will find that our H.A.I consultants are competent partners who will support you with their many years' experience in process optimization and in managing and designing staff training courses.

The optimization programs are divided into the following three areas aimed at users, industrial customers and dealers who would like to optimize their profitability, consolidate their expertise or avoid quality problems:

H.A.I Consulting

- For coated abrasives – to optimize abrasive processes with regard to productivity, profitability and quality
- For Lean – every aspect of abrasive processes to optimize setting up processes or internal logistics

H.A.I training at the Hermes Abrasives Institute or on your premises

- Training in basic principles and in the correct application of coated abrasives
- Principles of grinding with bonded abrasives
- For Lean principles in the form of a simulation of corporate decisions and processes ("Baking Factory")

H.A.I Manual

- The manual for your abrasive processes as a reference work and technical guideline with process-specific and general information associated with abrasive processes



Process optimization and Lean consulting are the key components which can improve your abrasive processes in terms of productivity, profitability and quality.

H·A·I CONSULTING Process optimization for your benefit.

Our experienced consultants at H.A.I Consulting combine holistic analysis with modern measuring and analysis techniques on your own premises, using knowledge transfer which delivers not only reliable data and measured results, but also genuine competitive advantages.

At the Hermes Abrasives Institute, an extensive range of grinding/sanding machines allows us to imitate a wide variety of customer applications, simulating and analyzing applications in the process.

Coated abrasives

Method

- Understand your issue
- Analyze your actual abrasive processes on site
- Develop and evaluate potential solutions
- Support you in implementing new solutions
- Present results and train your staff

Potential

- Increased productivity
- Reduced costs for your abrasive process
- Process stability
- Reduced reject material
- Optimized surface quality

Lean consulting

Method

- Analyze the initial situation
- Determine and prioritize potential
- Observe the process and apply Lean methods (e.g. SMED)
- Derive measures and provide support in implementing them
- Introduce/adapt and provide training in standards
- Training in Lean methods and principles

Potential

- Improved setting up times and machine availability
- Reduced logistics complexity
- Standards prevent faults
- Lean methods become second nature; they can be applied independently



We want to do more than just communicate knowledge, we want to provide concrete demonstration and training for your team to enable them to implement theoretical and practical know-how correctly – catered to your requirements.

H·A·I TRAINING Turning theory into outstanding practice.

Extracts from training courses for coated abrasives

- Sector-specific abrasive principles
- Staff training in abrasive processes
- Intensification of expertise in the application of abrasives
- Handling of commercially-available hand-held grinders/sanders
- Troubleshooting
- Consideration of individual issues

Results

- Intensification of sector-specific knowledge in the application of abrasives
- Detection of optimization potential in terms of the abrasive process, productivity, surface quality, reject product and production costs

Extracts from training courses for bonded abrasives

- Bonded abrasives and safety
 - Structure, production and marking
 - Handling, transport and storage
 - Safety precautions and guidelines
- “Centerless grinding” technology
 - Technical principles
 - Dressing bonded abrasives
 - Special features of centerless grinding
 - Fault analysis
 - Consideration of individual issues
 - Possibility of practical trials

Results

- Intensification of sector-specific knowledge in the application of bonded abrasives
- Intensification of basic knowledge to optimize processes
- Improved occupational safety

Training course content about Lean principles in the form of a simulation of corporate decisions and processes (“Baking Factory”)

- Explanation phase, description of roles and tasks
- 3 rounds of simulation lasting 30 minutes each
- Optimization phases, with application in real-life situations and practice of several methods of improvement
- Training in Lean methods and principles

Results

- Insight into administrative, organizational and productive processes
- Recognition of problems in interfaces between suppliers and customers
- Development of Lean processes through the elimination of waste
- Experience and promotion of team spirit



As specialists in complex processes, we collaborate with you to produce manuals for your abrasive processes which contain process-specific and general information about “grinding/sanding” independently of the products you use.

H·A·I MANUAL The manual for your abrasive processes.

We support you in recording and documenting your processes. The aim is to consolidate your knowledge with regard to the sequences and requirements of your production processes.

The outcome: your own H.A.I manual in hard-cover and digital format.

Method

- Record all abrasive process information in the sequence of production
- Document the processes in question in photographs, with details about the tool, backing element and/or grinding/sanding machine used
- Link your own item numbers to those of your suppliers

Content

- Customer-specific process documentation, including all the necessary data
- Basic information about abrasives (structure, properties and tool shape)
- Handling information about abrasive processes for your staff
- Safety data sheets and safety recommendations
- Standards and regulations



H·A·I We would be delighted to advise you.

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Has this information sparked your interest?

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