

# New. Improved. Yellow.

Diamond Tools  
by Klingspor



# 5

We rank amongst the world's leading manufacturers of abrasives.

# 1893

Klingspor was founded as a family owned business.

More than

# Three hundred

highly trained technicians offer professional on-site assistance.

# 260 million

Euros in sales during the past year.

Over

# 50 thousand

items in our product range.

Every day Klingspor makes:

# 110,000 350,000

Abrasive mop discs

Cutting-off wheels and grinding discs

# One hundred thousand square metres

Coated abrasives

# 2,700

Employees are hard at work everyday to keep our customers satisfied.



The newly constructed factory, housing the company's diamond tool production in the West Ukrainian town of Lviv, guarantees products of superior quality and reliability.

## **New. Improved. Yellow.**

Remain in full control of all processes: staying true to this motto, Klingspor managed to rise to be one of the world's first manufacturers of grinding and cutting tools. The company is now applying their extensive experience in research and development and manufacturing, their global network of distributors and their highly efficient service and logistics structure to their diamond tools.



**Klingspor**  
**Expertise in diamonds**

**Everything under one roof**

Engineering, production, sales, logistics and service





# Research and development

## Engineered in Germany

For decades, our *Research and Development* department in Haiger, Germany has continuously raised the bar when it comes to enhancing technologies applied to cutting and grinding. Benefiting from highly skilled experts amongst their ranks and leading edge equipment in their labs and test benches, our R&D department is now laying the foundation for Klingspor diamond tools that cannot be beaten when it comes to quality and reliability.

◀ Teamwork: The members of our staff, working in Research and Development, Product Management and Business Development, team up to analyse the test results and plan the composition of our product line.



Our team of devoted engineers and scientists has allowed us to manufacture diamond tools that are second to none when it comes to performance and quality.



We have set up a laboratory that is dedicated exclusively to diamond tools and affords our highly skilled scientists the state-of-the-art equipment they need to develop bonds that make our tools suitable for a wide range of applications.



Assured quality: We have built a custom test bench for our new line of diamond tools that is used to put the tools through their paces in terms of performance, reliability and environmental compatibility. This approach allows us to constantly improve all newly developed products until they satisfy the high standards demanded by Klingspor. We subject all our products to regular quality inspections that are based on clearly defined parameters.



### **Klingspor Expertise in diamonds**

#### **Quality is Yellow:**

All of the diamonds and raw materials that Klingspor use are supplied by the most renowned manufacturers to ensure consistency in the quality of our products.





# Production

## Made in Europe

Klingspor's new production facility sets itself apart by its state-of-the-art machinery and exceptionally well-trained personnel. We can guarantee the exquisite quality of our diamond tools because we closely control every single step of production: from the procurement of the raw materials to manufacturing to delivery to the customer.

◀ Highly trained personnel and rigorous production standards provide for supreme quality at the company's location in Lviv, Western Ukraine.



All powders are turned to granulates using latest technologies and machinery. The production processes necessary are performed in special air-conditioned rooms.



Adhering to the closest tolerances, the granulates are then moulded into green bodies using a high precision cold moulding press.



Afterwards, all segments are joined to the carrier by means of a highly accurate laser welding process. The application of these ultramodern technologies is at the core of our tools' operational reliability.



Our production department employs independent and specially trained quality assurance staff to constantly monitor the quality of our products. Aside from the dimensions and weights, as well as the hardness and density of the segments, we also subject the finished diamond tools to a comprehensive quality inspection.



## **Klingspor Expertise in diamonds**

### **Certified environmental management system**

Klingspor's production department attaches the greatest amount of importance to the compliance with all European environmental standards. Elaborate technologies used to filter foreign particles and suspended matter have made it possible to attain an air purity of 99 %. All waste products are recycled or disposed of in an environmentally safe manner.

✓ **DIN EN ISO 14001**





## Shipping, logistics, service

Always there for you. Wherever you are.

From Haiger into the World: For distributing their range of diamond products Klingspor relies on their extensive global network of local dealers as well as several hundred carefully trained sales representatives and application engineers. To customers and users this comprehensive level of support translates to short delivery periods, a high degree of availability and all inclusive consulting before and after the purchase was made.





**Klingspor**  
Expertise in diamonds



Trained at regular intervals, our application engineers and sales staff provide our customers around the globe with expert advice: on the customer's premises, by email and by conducting training sessions on the latest product innovations and the appropriate use of our diamond tools.



**The Americas**

- Stoney Creek, Canada
- Hickory (NC), USA
- Tijuana, Mexico
- Lima, Peru
- Curitiba, Brazil
- Santiago, Chile
- Buenos Aires, Argentina

**Africa**

- Johannesburg, South Africa

**Europe**

- Moscow, Russia
- Kolding, Denmark
- Worksop, Great Britain
- Sittard, The Netherlands
- Leuven, Belgium
- Haiger, Germany
- Lviv, Ukraine
- Bielsko-Biala, Poland
- Brno, Czech Republic
- Le Perrat-en-Yvelines, France

- Vienna, Austria
- Basel, Switzerland
- Budapest, Hungary
- Brescia, Italy
- Belgrade, Serbia
- Bucharest, Romania
- Sofia, Bulgaria
- Madrid, Spain

**Asia**

- Qingdao, People's Republic of China
- Shanghai, People's Republic of China
- Dubai, United Arab Emirates
- Pune, India
- Bangkok, Thailand
- Saigon, Vietnam
- Singapore, Republic of Singapore

**Australia**

- Sydney, Australia

◀ Dependable picking thanks to the pick-to-light process: Klingspor's shipping centre for diamond tools is located in Haiger.



## Product benefits

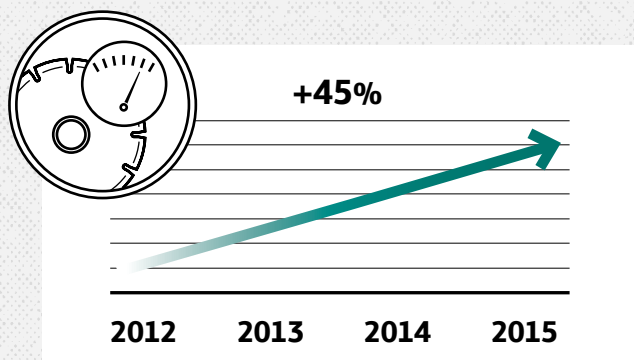
Maximum performance, large variety of applications.

Klingspor's comprehensive range of diamond tools makes it a cinch for any user to work faster and with greater precision and endurance. As they are made of carefully tested premium grade materials, the products included in each product line offer a wide range of possible applications and meet the highest safety standards.





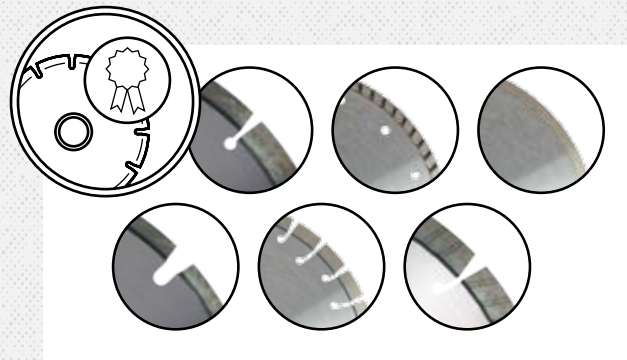
**Klingspor**  
Expertise in diamonds



1.

**Continuous performance increase**

Research, development and continuous testing have resulted in a steady performance increase of up to 45% in diamond tools made by Klingspor.



2.

**Reliable segments**

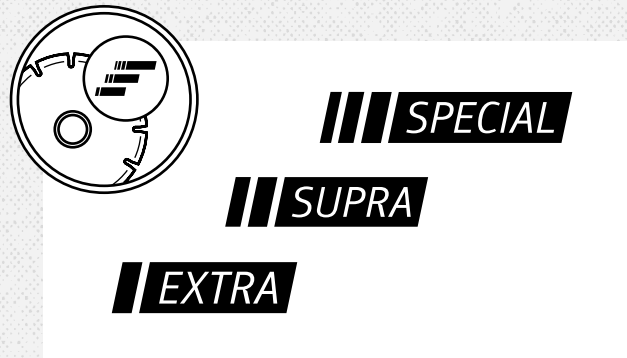
As we make them ourselves in-house, we can align the cores and edges of our diamond tools until they match each other perfectly. This way, we can guarantee maximum performance regardless of the application for which the user plans on using our tools.



3.

**Wide range of applications**

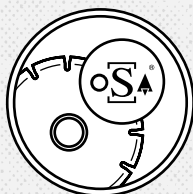
Designed for construction above and below ground, road building, roofers and stone cutters, Klingspor diamond products are suitable for all mineral materials and can be mounted on handheld machinery, table saws, electric joint cutters and joint cutters with a capacity of up to 20 kW.



4.

**Three product lines**

Klingspor offers three finely attuned product lines. Every user will find the diamond tool that is suited perfectly for the specific task needed to be accomplished.



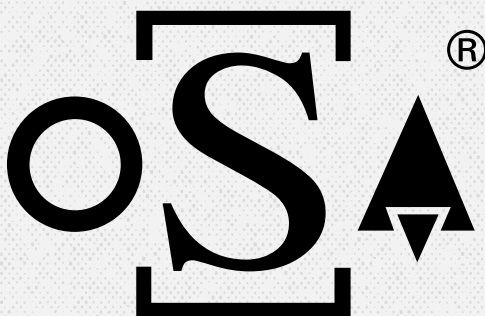
5.

**Toughest safety standards**

Just as all other products made by Klingspor, our new diamond tools comply with the strict oSa guidelines and are guaranteed to comply with the European safety standard EN 13236.

# oSa<sup>®</sup> – the Centre of Excellence for the safety of abrasives

Klingspor is a founding member of the oSa<sup>®</sup>. The *Organisation for the Safety of Abrasives* is a voluntary association of abrasive manufacturers. All members commit to adhering to all European safety standards applicable to abrasive tools and to promote and enforce stricter production and testing regulations. As an expression of their voluntary commitment, the oSa<sup>®</sup> awards a quality seal that is protected worldwide. To the user and the dealer, this translates to increased safety during use and a lower liability risk, respectively.



## The 7 criterias that guarantee oSa<sup>®</sup> safety

- ▶ Voluntary commitment of the manufacturer
- ▶ Testing facilities and expertise under the manufacturer's roof
- ▶ Certified quality management including documented processes
- ▶ Independent product tests
- ▶ Independent safety audits performed by external auditors
- ▶ Regular production monitoring and control
- ▶ Safety as products can be traced back all the way to the manufacturer



# The three product lines



## EXTRA

Brand name quality at an affordable price. For users who expect their tools to meet professional standards, but do not need to use them continuously.



## SUPRA

Professional tools with an exceptional price-performance ratio. For users who require diamond tools that deliver reliable and powerful performance every day.



## SPECIAL

High performance tools offering outstanding cutting performance and service life. For users who need their tools to perform at peak output and reliability even if subjected to the most punishing applications.

# Types of serration



1.

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**Standard gullet**

- ▶ rapid feed speed



2.

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**Turbo continuous rim**

- ▶ exceptionally smooth operation
- ▶ clean cutting edges

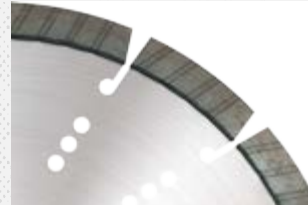


3.

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**Continuous rim**

- ▶ clean cutting edges
- ▶ work with superior precision
- ▶ short cutting times



4.

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**Turbo segments**

- ▶ exceptionally smooth operation
- ▶ clean cutting edges



5.

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**Short segments**

- ▶ prevents relief grinding
- ▶ optimum protection of the parent wheel

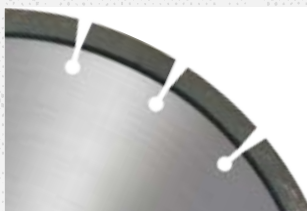


6.

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**Wide gullet**

- ▶ clean cutting edges
- ▶ work with superior precision



7.

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**Narrow gullet**

- ▶ low vibrations and noise level
- ▶ clean cut
- ▶ exceptionally smooth operation thanks to narrow segment spacing



6.

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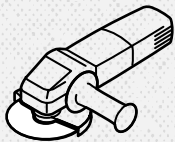
**Hammer segments**

- ▶ prevent rear grinding
- ▶ prevent segments tearing off
- ▶ optimal protection thanks to segments soldered in



# Variety of products

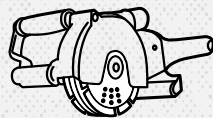
With its comprehensive and transparent diamond product line, Klingspor offers the right tool for all standard machine types and applications.



## Angle grinder

### Diamond tools for:

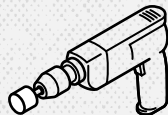
- ▶ Concrete
- ▶ Reinforced concrete
- ▶ Roof tiles
- ▶ Screed
- ▶ Stoneware
- ▶ Floor tiles
- ▶ Aerated concrete
- ▶ Granite
- ▶ Stove tiles
- ▶ Chalky sandstone
- ▶ Clinker
- ▶ Natural stone
- ▶ Glazed stove tiles
- ▶ Porphyry
- ▶ Quarzite
- ▶ Plaster



## Wall saw

### Diamond tools for:

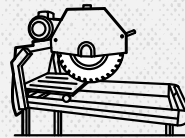
- ▶ Concrete
- ▶ Chalky sandstone



## Drilling machine

### Diamond tools for:

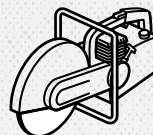
- ▶ Concrete
- ▶ Stoneware
- ▶ Floor tiles
- ▶ Chalky sandstone
- ▶ Masonry
- ▶ Brickwork



## Table saw

### Diamond tools for:

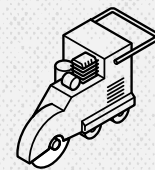
- ▶ Concrete
- ▶ Reinforced concrete
- ▶ Screed
- ▶ Stoneware
- ▶ Refractory brick
- ▶ Granite
- ▶ Stove tiles
- ▶ Chalky sandstone
- ▶ Clinker
- ▶ Glazed stove tiles
- ▶ Firebrick



## Petrol saw

### Diamond tools for:

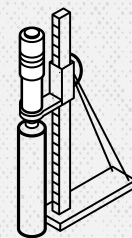
- ▶ Concrete
- ▶ Reinforced concrete
- ▶ Chalky sandstone



## Floor saw

### Diamond tools for:

- ▶ Asphalt
- ▶ Concrete
- ▶ Reinforced concrete
- ▶ Green concrete
- ▶ Screed



## Drill stand

### Diamond tools for:

- ▶ Concrete
- ▶ Reinforced concrete



All Klingspor diamond cutting blades are suitable for dry and wet cutting.

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