



**GDS-AT ROBOTICS**  
Automation solutions



grinding deserves SOLUTIONS

**GDS**<sup>®</sup>  
Made in Germany

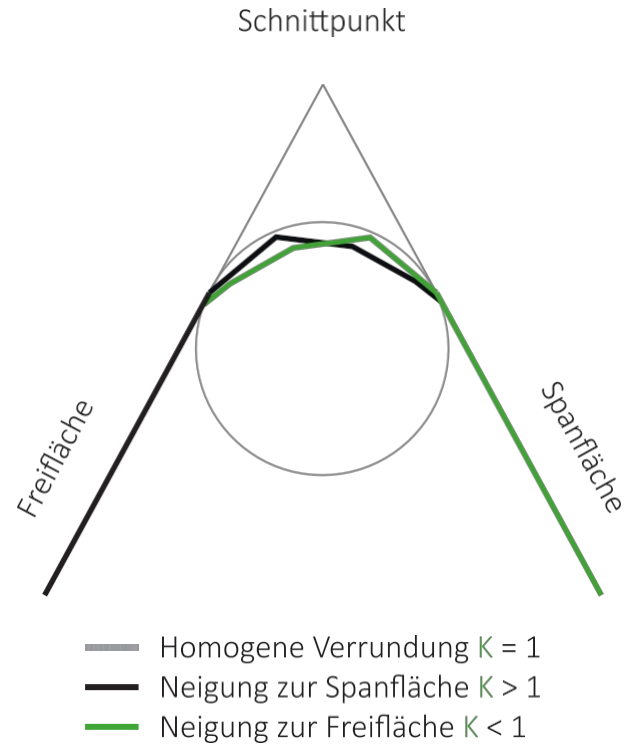
# Cutting edge optimization with

# MAGICEDGE

GDS has been known for many decades for process solutions in grinding operations. We are the market leader in the areas of clamping devices, balancing technology and process solutions. Our team of master cutting tool mechanics, engineers and service technicians is always there for our customers to drive further developments. Our many years of experience help you to redesign processes, reduce non-productive times and produce more economically.

GDS AT - Automation technology for tool manufacturers - grinding shops and sharpening companies In 2023, GDS - Made in Germany acquired AT Robotics. AT Robotics has been known for years for automation solutions in the field of cutting edge preparation. Perfect solutions with Magic Edge Automated, standardized and very easy to handle.

However, GDS AT goes one step further. We automate various processes in your company. Simple and uncomplicated. Plug and play is our motto. Simple programming, standardized and cost-effective. Simply select the modules you need from our AT modular system, or work with us to implement a customized concept tailored to your needs.



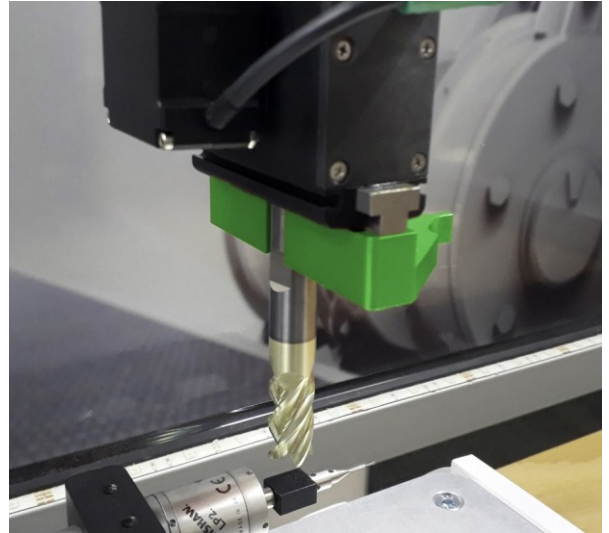
Brush, round off,

PERFORMANCE! **GDS**  
ATROBOTICS

With our MAGICEDGE automation cell, we are setting a milestone in cutting edge optimization based on years of technological expertise in tool technology. The cutting edge is rounded precisely and reproducibly using robot technology, with consistently high quality!

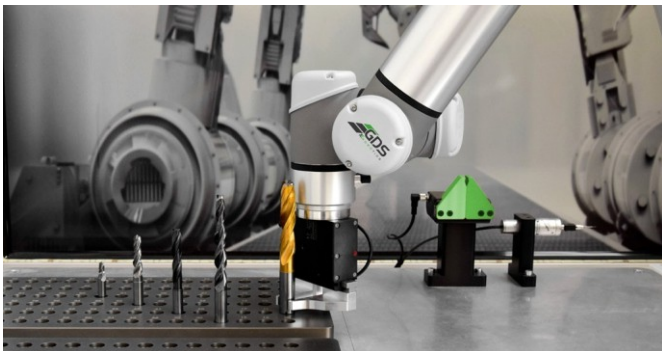
Thanks to the robot kinematics, our system can significantly determine the shape (K value), the size and the course of the cutting edge radius. Only the desired edge is treated.

The MAGICEDGE standard system can be used for cutting edge preparation on shank tools and indexable inserts. Other customer-specific automation solutions include pick and place, glass bead blasting, quality assurance, polishing and others.



# MAGICEDGE

a milestone in cutting edge optimization



- Only the desired edge is treated
- High process reliability and flexibility
- Short set-up times and easy handling
- Rapid amortization

## Services & Services

Together with our customers, we develop the optimal automation solution with the best cost-benefit factor.

The focus is on the technical implementation of our visions, which are specially tailored to our customers.



## Okamoto - Automation

Our latest development is the automation of the Okamoto system. The robot technology is cleverly and sensibly used to replace the exclusively manual processing. We are therefore able to operate both the existing and the new Okamoto system automatically with the robot. Automatic medium humidification enables longer and continuous use without interruptions.

The customer has the choice of working automatically with the robot or using the system manually at short notice as usual.

Existing Okamoto systems can be easily retrofitted and used in fully automatic operation.



### Advantages of Okamoto automation

- Constant distance to the jet nozzle
- Reliable and consistent processing speed "Application time"
- Automatic medium humidification
- Short set-up times and easy handling
- Rapid amortization
- Manual operation still possible

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