



# PERFORMANCE GRINDING SOLUTIONS





## TRAINING SERVICES

At Norton Abrasives, our experts offer a holistic training program that empowers you with knowledge of grinding concepts to drive productivity improvement and embrace new technology at your shop floor. This training will help you to understand factors that makes impact on productivity and overall cost through in-depth knowledge of grinding parameters optimization, new technology product in grinding and finishing, product upgradation, and cost reduction.

### Features:

- Customized module-based sessions focused on customer problems & needs
- Get information & knowledge directly from an industry expert
- Get access to several case studies and relevant industry examples
- Stay updated with latest advancements in grinding technology

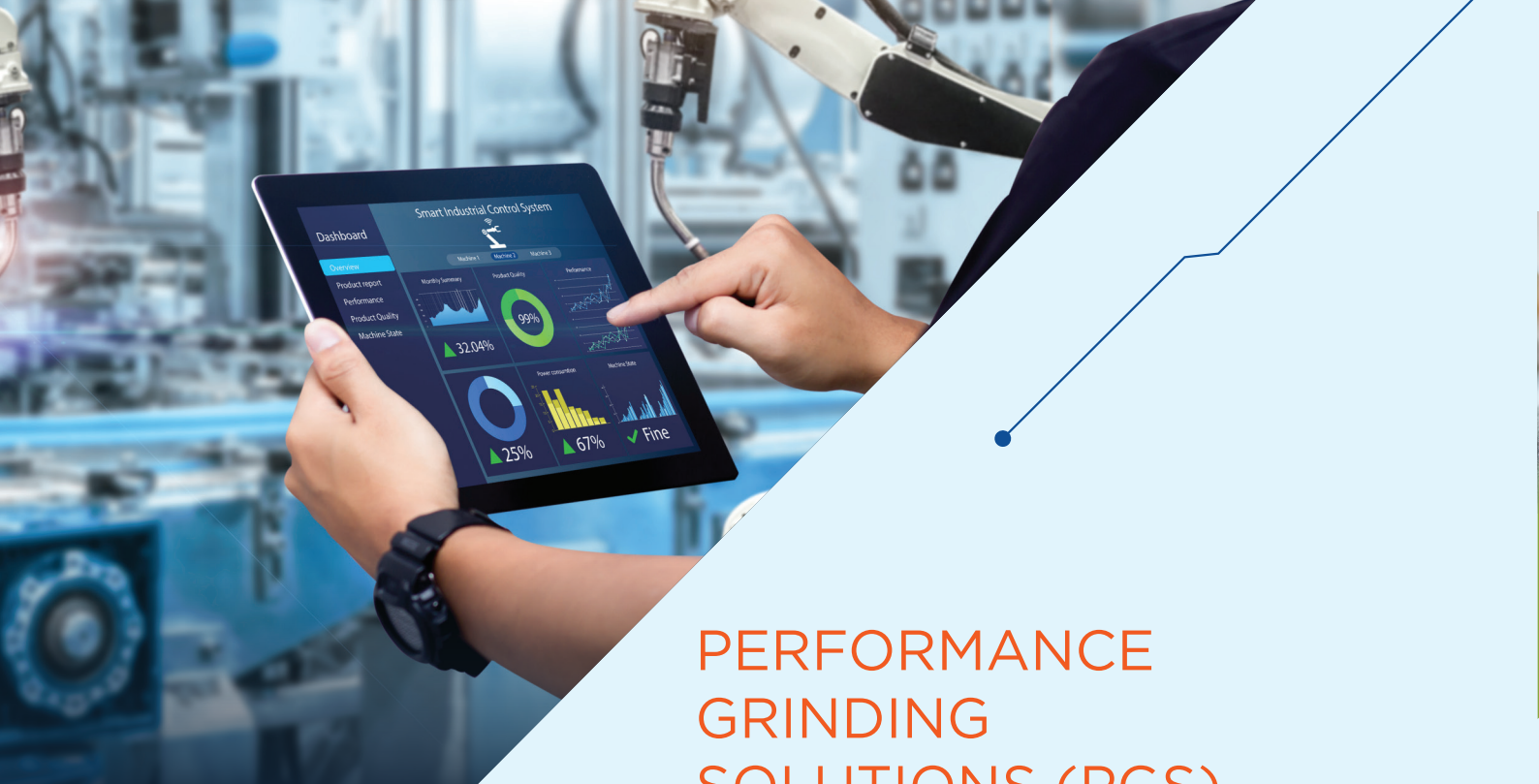


## FIELD INSTRUMENTATION SYSTEM

Norton's Field Instrumentation System (FIS) empowers you to monitor the performance of grinding operations efficiently. It provides complete insights to optimize your grinding process for improved operating performance, wheel life, work quality, the power drawn and cycle time.

### Advantages:

- Detailed analysis of the grinding cycle with power comparison
- Power/current Vs MRR graphical understanding
- Troubleshooting grinding problems
- Process Optimization
- Remote data capturing for future reference
- Time dependent behavior analysis



## PERFORMANCE GRINDING SOLUTIONS (PGS)

Grindwell Norton offers innovative performance grinding solutions by providing customer-relevant grinding analytics that enables process visibility to improve profitability & productivity with our advanced digital tools, process simulation, material analysis & competencies.

Following services are offered under PGS :-



The new Norton GRINDSMART IOT based process monitoring, and diagnostic system allows you to efficiently and cost effectively monitor the performance, productivity of your grinding process.

### Features:

- Online Productivity measurement
- Grinding Analytics & OEE measurement
- Dressing performance & optimization
- Grinding process visualization, benchmarking and troubleshooting
- Cloud service for data storage
- Alerts on process deviations



# VIBRATION ANALYSIS IN GRINDING OPERATION

We support our customers in understanding grinding machine vibrations specific to the machine tool, grinding machine, and other rotating equipment. Our certified ISO vibration analysts and application engineers detect and prevent equipment failure & and downtime, thereby saving costs and valuable production time and helping to achieve a consistent and defect-free part.

## Features:

- Real-time spectrum and TWF analysis
- Route trending of data through AMC service
- Validating vibration level through ISO standard
- Understanding and validating faults frequency
- Monitor any rotating equipment to provide real-time diagnostic insights
- Remote data analysis
- Real-time alerts on devices

## Advantages:

- A reliable and periodic vibration monitoring
- Expert recommendations on vibrations of grinding machines, rotating equipment, spindles, bearing conditions etc.
- Holistic solution from abrasives and tools as well as machine point of view
- Safe & secure data storage and maintenance

### GRINDWELL NORTON LTD.

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Help us serve you better

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