



**NORTON**

SAINT-GOBAIN

Reshaping  
your  
world.



**APS**

ABRASIVE PROCESS SOLUTIONS

WHETHER OFF-HAND OR AUTOMATED THE NORTON ABRASIVE PROCESS SOLUTIONS TEAM CAN HELP YOU FIND THE RIGHT CHOICE.

Abrasive grinding and finishing operations can be challenging and they increasingly require custom solutions. Whether you need help with research and testing of new abrasives for improved quality and/or throughput, are considering an entirely new process, or are looking to automate an existing process, the Norton Abrasive Process Solutions (APS) team can help.

The APS program offers abrasive process development, optimization, automation, and in-house testing for our customers using the expertise and vast abrasives knowledge of the Norton engineering team. With access to over 30 different machines, including our new state-of-the-art APS robotic automation cell, the APS team can provide an extremely broad array of grinding and finishing process development solutions answering practically any material removal or surface generation challenge. The delivery of such a comprehensive array of services, combined with a quick response and short turnaround is what sets this lab apart from anything else in the industry.



**SIMPLE** **ADVANCED** **ANY MARKET**

**KEY MARKET SEGMENTS**

AUTOMOTIVE | BEARING | AEROSPACE | METAL FABRICATION | GEAR  
| MEDICAL | WOODWORKING | CUTTING TOOLS | FOUNDRY

[www.nortonabrasives.com](http://www.nortonabrasives.com)



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Over 30 assets including our new state-of-the-art robotic automation cell provides the industry's broadest array of grinding and finishing process development solutions for any type of abrasive.

### APS Automation Cell

- Most comprehensive abrasive automation lab in the world
- Capable of developing both wet and dry solutions
- Capable of part-to-abrasive and abrasive-to-part processes
- Supporting coated and bonded abrasive, superabrasive and thin wheel applications



### APS Project Example:

- CUSTOMER:** Automotive component manufacturer
- COMPONENT:** Extruded aluminum truck parts
- APPLICATIONS:** Transition from off-hand to automated process; optimize abrasives
- GOALS:**
  - Maintain a consistent fine finish
  - Increase overall output time and improve safety by moving to automation
  - Optimize abrasives to reduce number of steps required
- DETAILS:** A major automotive component manufacturer was looking to transition from an off-hand finishing process to an automated process for improved output and safety while also maintaining the fine finish they achieve with the current off-hand process. They were also looking to optimize their use of abrasive products to minimize the overall number of finishing steps.
- RESULTS:** The APS team was able to assist the customer, and their System Integrator, in moving to automation demonstrating an improvement in output while maintaining the required finish. They were also able to help optimize the abrasive products by testing various product types and grit sequences, ultimately determining the best products for their application.

For more information contact the APS team at [NortonAPS@saint-gobain.com](mailto:NortonAPS@saint-gobain.com)



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**FORM #8930** REV. 08/21

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