



3M Science.
Applied to Life.™

3M Abrasive Solutions for Robotics

Ever forward.

We don't make robots. We help make robots work for you.

Automating parts of your operation can be a daunting task. Our experienced robotics experts can answer your questions, whether you're fine tuning an existing robotic application or just getting started.

Reasons for Robotics

Companies choose to automate for many reasons:

- Shrinking Workforce
- Efficiency
- Consistency
- Productivity
- Long-term Cost Savings





3M offers:

Expertise

Global application engineers and facilities dedicated to the development of your robotic abrasive process

Connections

Trusted relationships with system integrators, robot manufacturers and tooling suppliers

Products

Long-lasting, consistent performing and compliant abrasives optimal for robotic applications

All-around experts. All around the world.

We've worked across many industries—from foundries to metal fabrication shops—on various customer parts, such as turbine blades and golf clubs.

- Experienced application engineers with access to a global network of system integrators to help you with robot selection, proof of concept, training and more
- Ten robotic labs in eight countries equipped with robots, end-of-arm tools and measurement tools are available for your process development and testing





Neuss, Germany

Wroclaw, Poland

Beauchamp, France

Beijing, China

Guangzhou, China

Shanghai, China

Yangmei, Taiwan

Sagimihara, Japan

“Don’t just replicate your current manual operation. Take this opportunity to vastly improve your process.”

~ 3M Application Engineer

Our team knows the pros.

Wherever you are in your automation process, let us connect you with the industry experts you'll need to succeed.



Robot OEMs

Find the engineers and business teams from manufacturers like ABB, FANUC, KUKA and more for in-depth support.



System Integrators

Get access to a broad network of system integrators experienced in robotic grinding and finishing.



End-of-Arm Tools and Accessories

Meet the manufacturers with leading force control and end-of-arm solutions.

“The right parameters and equipment are critical. A sub-optimal process can limit your productivity for years.”

~ 3M Application Engineer

▶ **Make a Connection**
3M.com/robotics

Optimize your automation with 3M abrasives.

3M abrasive belts, discs and wheels are ideally suited for robotic applications, and can help you increase productivity, consistency and cost savings.

Grinding and Degating

3M™ Cubitron™ II abrasive belts cut fast and last long, minimizing changeouts and robotic downtime.



3M™ Cubitron™ II Cloth Belt 984F



3M™ Cubitron™ II Cloth Belt 784F

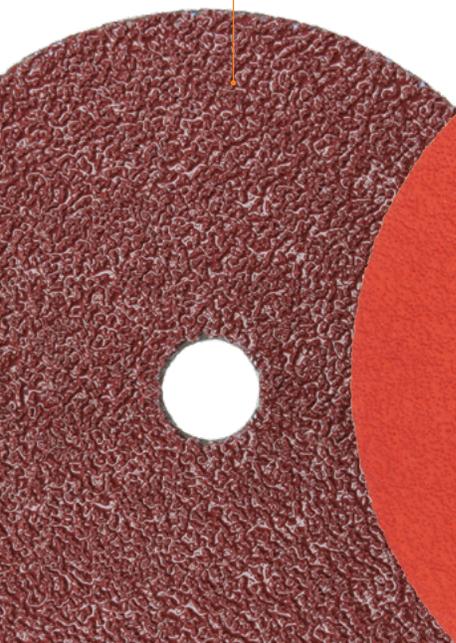
3M™ Cubitron™ II Cloth Belt 997F

Weld Grinding

For speed, long life and ease of use, nothing comes close to the power of 3M™ Cubitron™ II abrasives.



3M™ Cubitron™ II
Fibre Disc 982C



3M™ Cubitron™ II
Fibre Disc 987C



3M™ Cubitron™ II Depressed
Center Grinding Wheel



Deburring

Long-lasting Scotch-Brite™ industrial abrasives offer a wide range of wheels and brushes for robotic deburring.



Scotch-Brite™ Deburr and Finish PRO Unitized Wheel



Scotch-Brite™ EXL Deburring Wheel



Scotch-Brite™ EXL Unitized Wheel

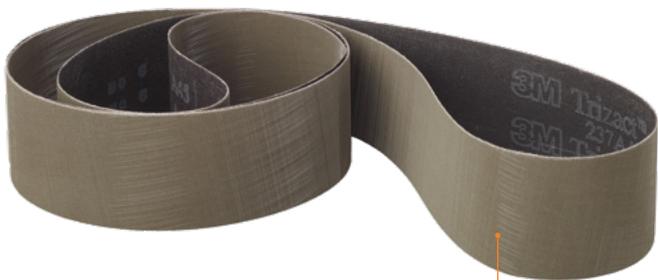
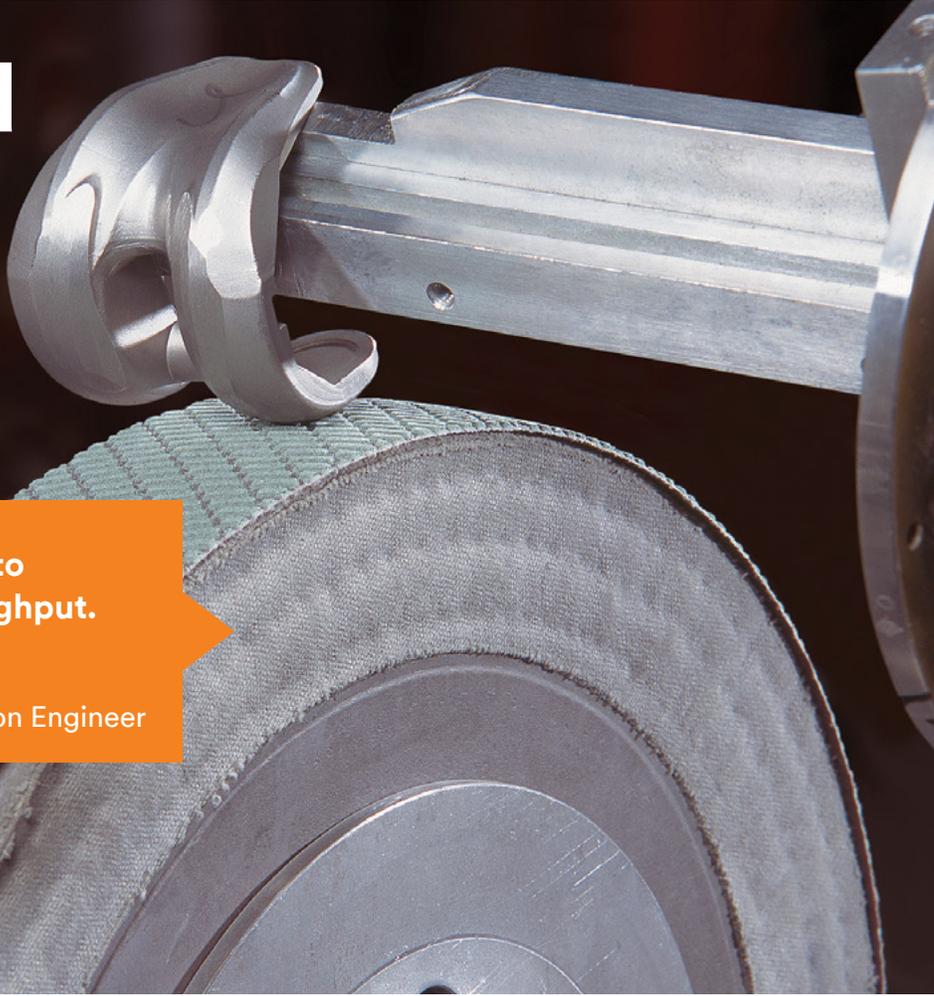


Finishing and Polishing

3M™ Trizact™ abrasives are ideal for work where consistent, refined finishes are essential.

“Force and compliance are keys to getting the right finish and throughput. We can help you achieve it.”

~ 3M Application Engineer



3M™ Trizact™
Cloth Belt 237AA



3M™ Trizact™ Cloth Belt 307EA



3M™ Trizact™ Cloth Belt 217EA

▶ See more products

We have the answers.

We understand how intimidating the process of automation can seem. That's why we have the resources to help guide you in the process—from the first time you contact us until your operation is up and running.

- ▶ How should I evaluate a system integrator?
- ▶ What are the technical design factors for a successful robotic cell?
- ▶ Is my process a good candidate for automation?



▶ Check out resources

Complex? Sure. Doable? Absolutely.

Let's talk.

3M has the expertise, connections and products to help you succeed.

Get started—contact your 3M sales professional or get in touch with one of our application engineers at [3M.com/robotics](https://www.3m.com/robotics).



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