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
“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.
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
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?


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.
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