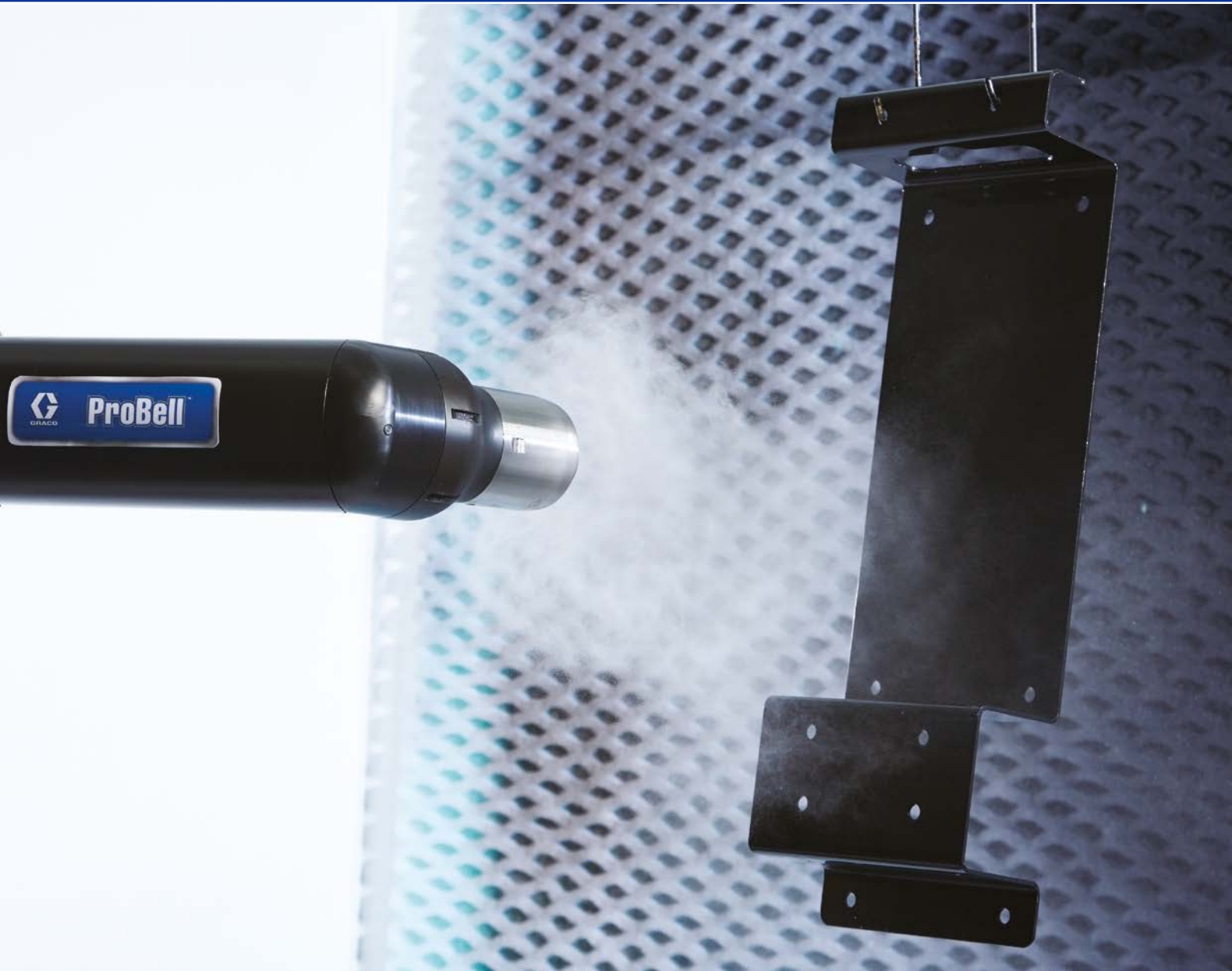




Finishing Automation

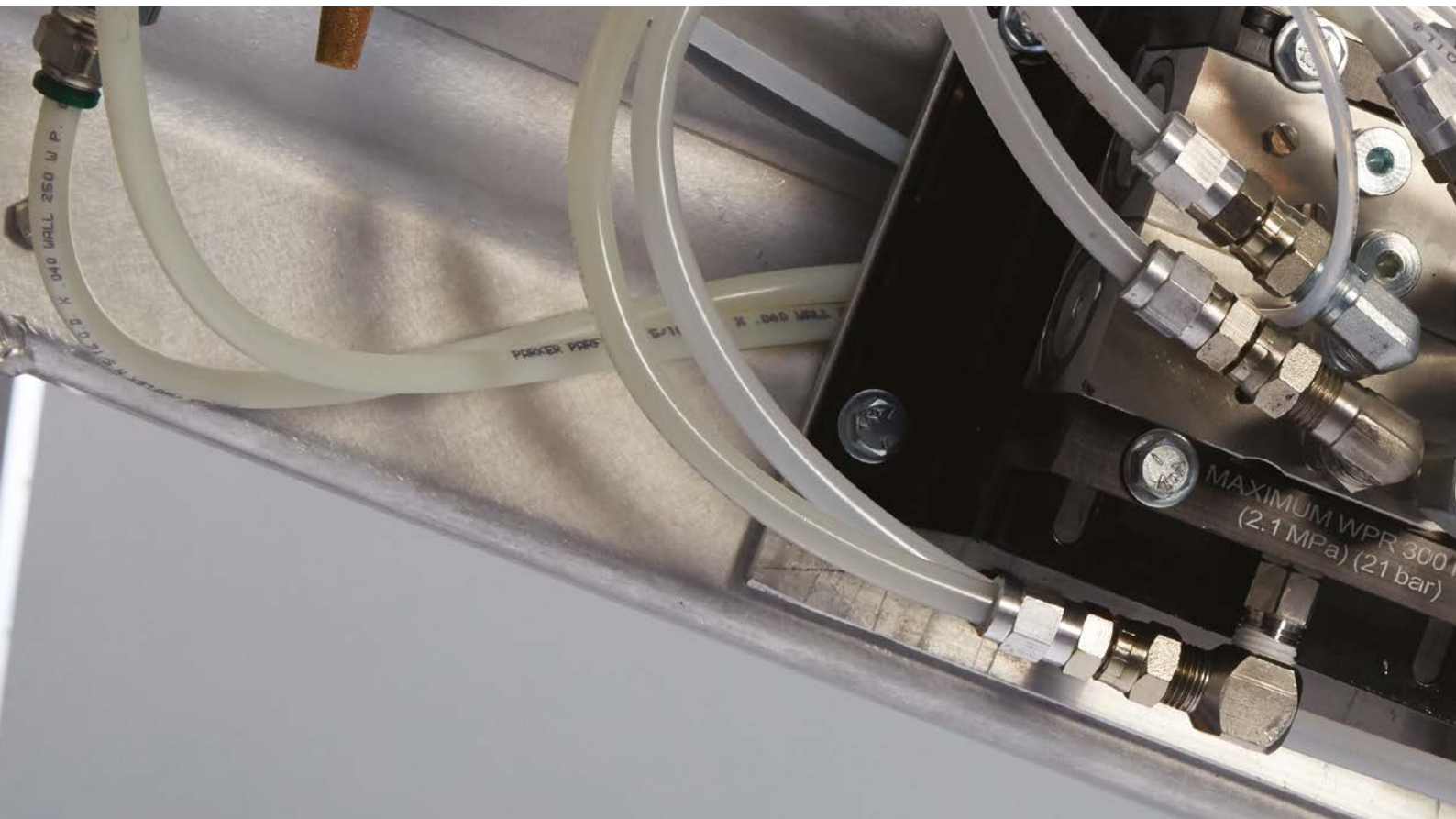
Automated Paint Systems for Improving Performance and Quality



PROVEN QUALITY. LEADING TECHNOLOGY.

Improving Performance Through Technology

Whether you're new to automation or just looking to make a switch, manufacturers of all sizes can benefit from the many advantages automation has to offer.



Cost

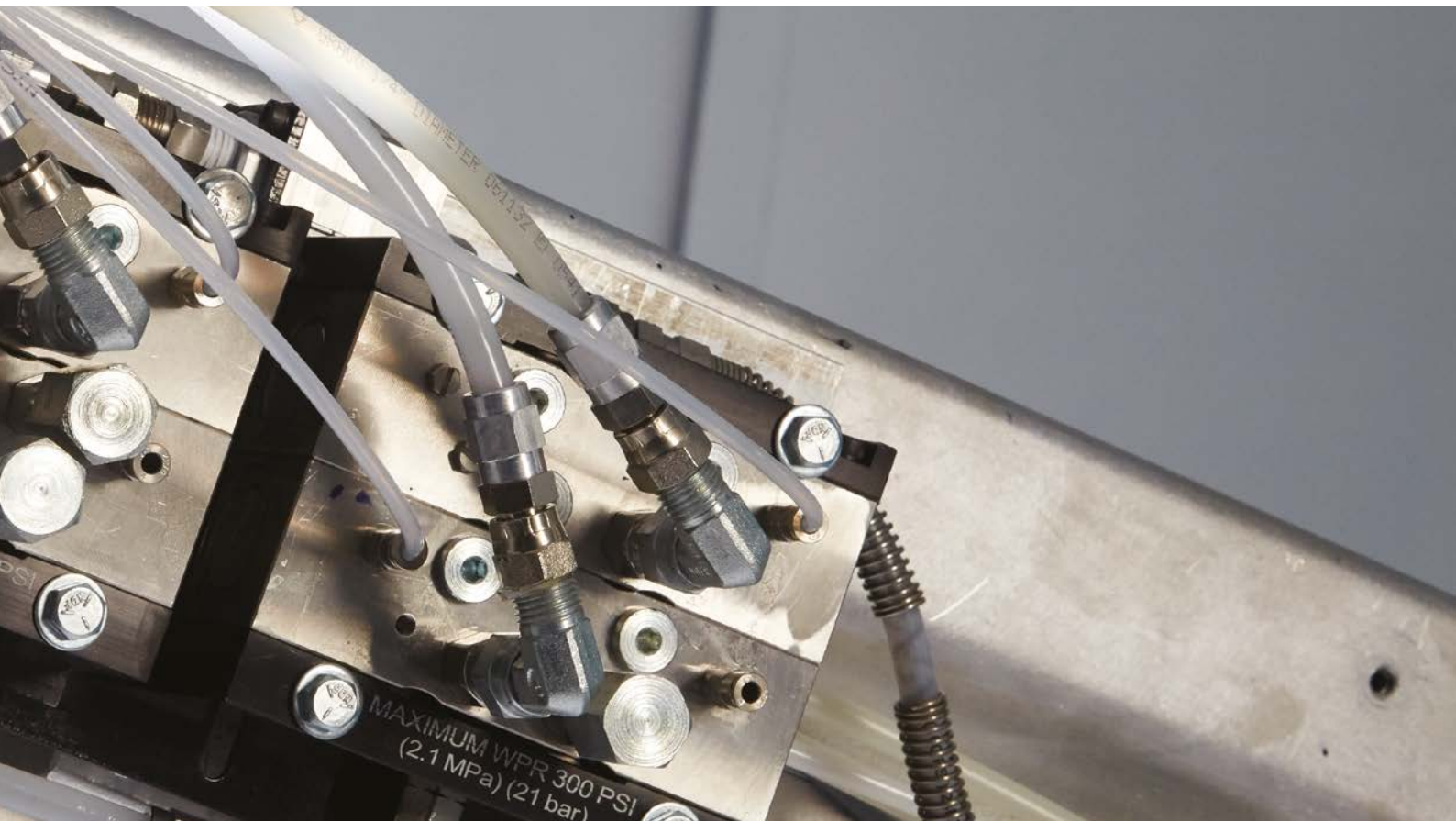
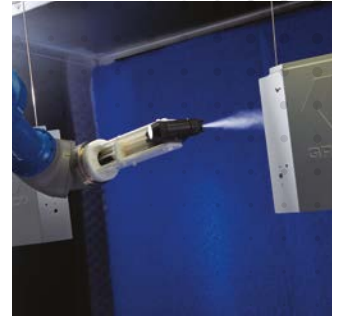
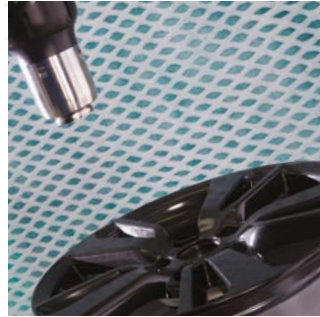
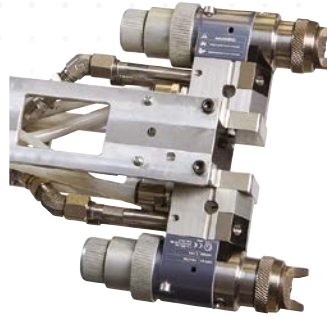
Automation lowers operating costs by:

- Reducing material waste by up to 30%
- Reducing waste disposal and VOC regulatory permit expenses
- Reducing labor, healthcare, and benefit costs

Quality

Automation dramatically improves quality by:

- Offering unmatched accuracy and repeatability
- Adding mistake-proofing as part of the process
- Reducing scrap and rework due to operator error



Delivery

Automation increases production by:

- Increasing process speeds to boost throughput and eliminate bottlenecks
- Minimizing downtime with better reliability
- Maximizing capacity with 24/7 operation
- Reducing time spent on training, meetings, and breaks

Safety

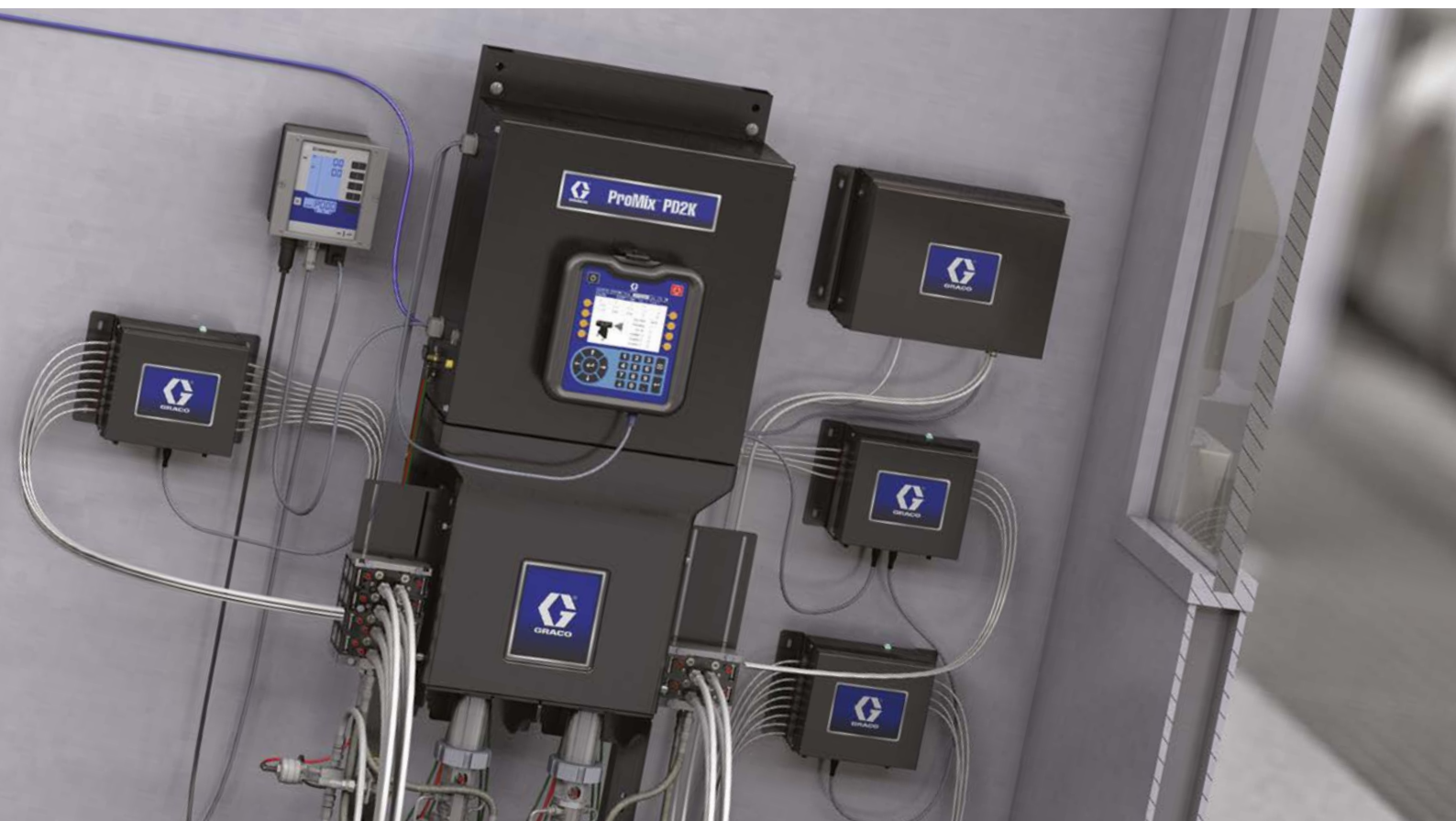
Automation can reduce costs and also improve the safety of skilled workers by:

- Removing them from dull, dirty, and dangerous conditions
- Protecting them from harm and repetitive stress
- Minimizing injuries that can result in reduced productivity and increased healthcare costs

Your Partner in Automation

Once you've decided to automate, choosing the right partner can make all the difference. That's when you need dedicated people with experience and expertise for finding solutions to your unique challenges - and who have the innovative products that get the job done.

That's when you turn to us.



Why Graco Automation?

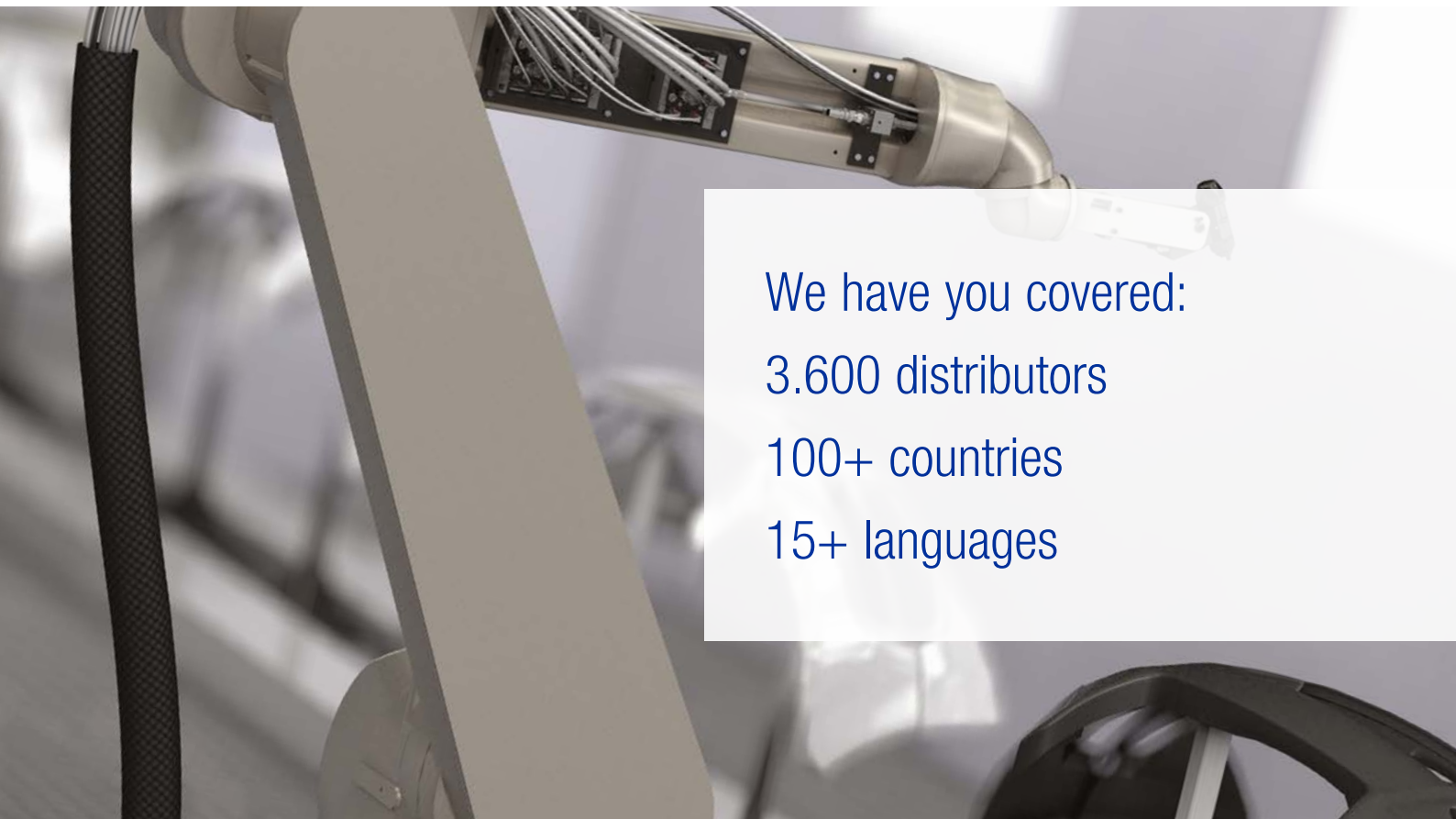
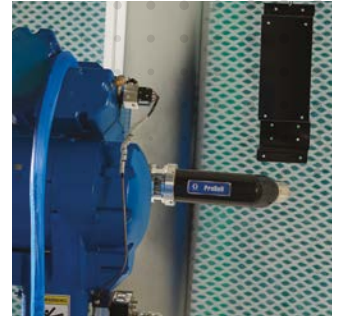
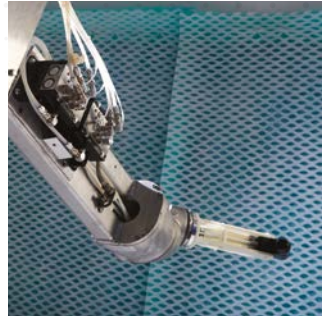
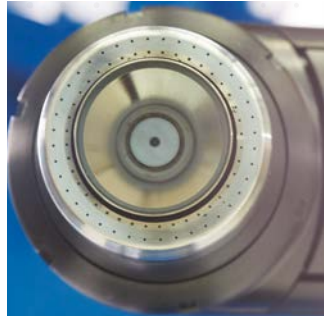
Trusted Finishing Experts

For more than 90 years, Graco has been providing high quality finishing products to industries like yours around the world.

Our success is based on a foundation of long-lasting, dependable equipment that you can trust.

Reputation for Innovation

Every year Graco invests heavily in R&D to ensure you receive innovative products that can take your business to the next level.



We have you covered:
3.600 distributors
100+ countries
15+ languages

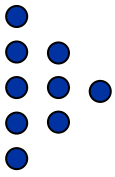
A+ Customer Service

Striving to consistently exceed your expectations, Graco makes it our goal to ensure product quality, deliver products on time and find solutions for your unique applications.

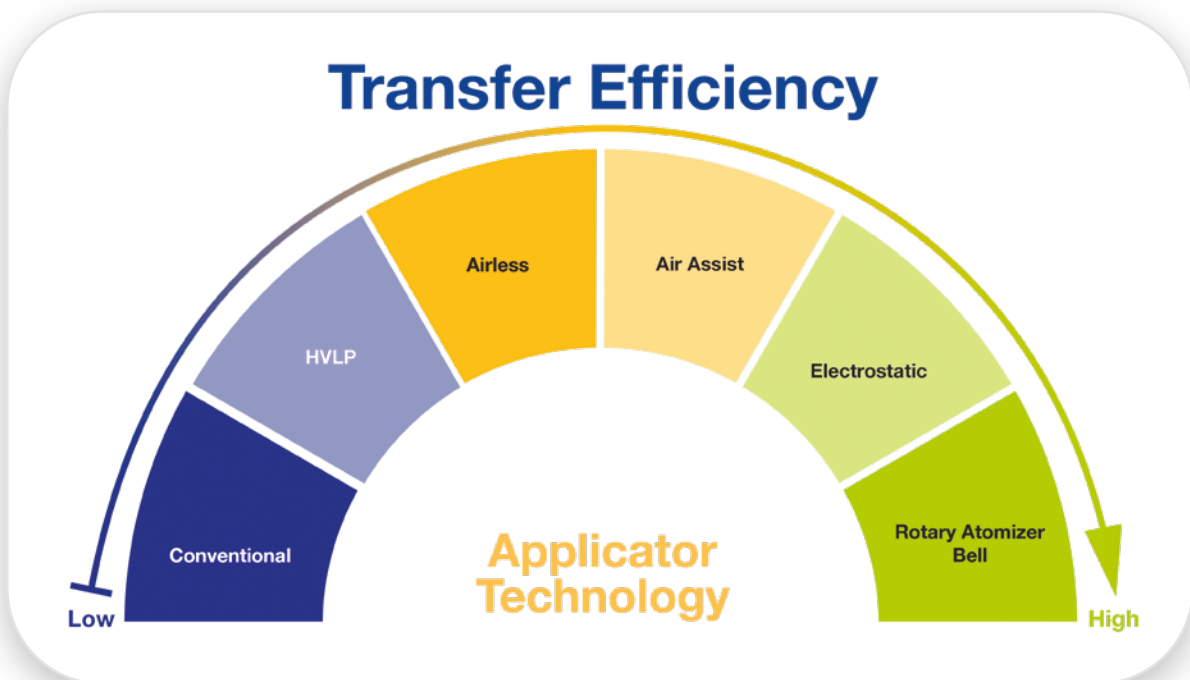
Return on Investment

Committed to providing you with high quality products at lower costs, Graco helps you improve customer satisfaction and enhance your brand differentiation – driving increased revenues for your business.

Automatic Conventional Applicators



Graco's automatic electrostatic applicators deliver one of the highest spray performance and quality in the industry. Each electrostatic applicator is tested to ensure it meets Graco's highest standards for quality.



Transfer efficiency is the amount of paint solids deposited on a part divided by the total paint sprayed. Look for the colored boxes next to each gun type to see how our guns stack up.

AL Series

Automatic Airless Spray Gun

TE

- High pressure applicator (up to 475 Bar = 4000 psi) to handle high viscosity materials
- Capable of handling high production rates with many different types of materials

G40

Automatic Air-Assisted Spray Guns

TE

- High pressure applicator with more control and finer finish than the AL Series
- Precision tips create uniform atomization, position accuracy, and consistent pattern width for superior finish quality
- Combines the benefits of high transfer efficiency with a soft finish and low overspray



AirPro Automatic Air Spray Guns

TE

- Low pressure, versatile applicator that works well for many different materials and applications
- Several atomization technology options including HVLP, Conventional, and Compliant

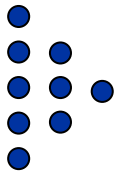
AirPro EFX Automatic Air Spray Gun

TE

- Compact and lightweight applicator platform for small component precision finishing
- Several atomization technologies, fluid adjustment styles and mounting options for total flexibility



Automatic Electrostatic Applicators



Graco's automatic electrostatic applicators deliver one of the highest spray performance and quality in the industry. Each electrostatic applicator is tested to ensure it meets Graco's highest standards for quality.



ProBell Rotary Bell Atomizer

TE

- Most advanced atomization technology resulting in the highest finish quality and best transfer efficiency
- Meets the highest standards of precision spraying with uniform atomization and an ultra-soft spray pattern for the most demanding finishing applications



Pro Xpc Auto Electrostatic Spray Guns

TE

- Low voltage cable design has industry-leading safety
- More robot integration options than Pro Xp Auto
- Advanced controller has reliable performance



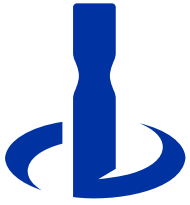
Pro Xp Auto Electrostatic Spray Guns

TE

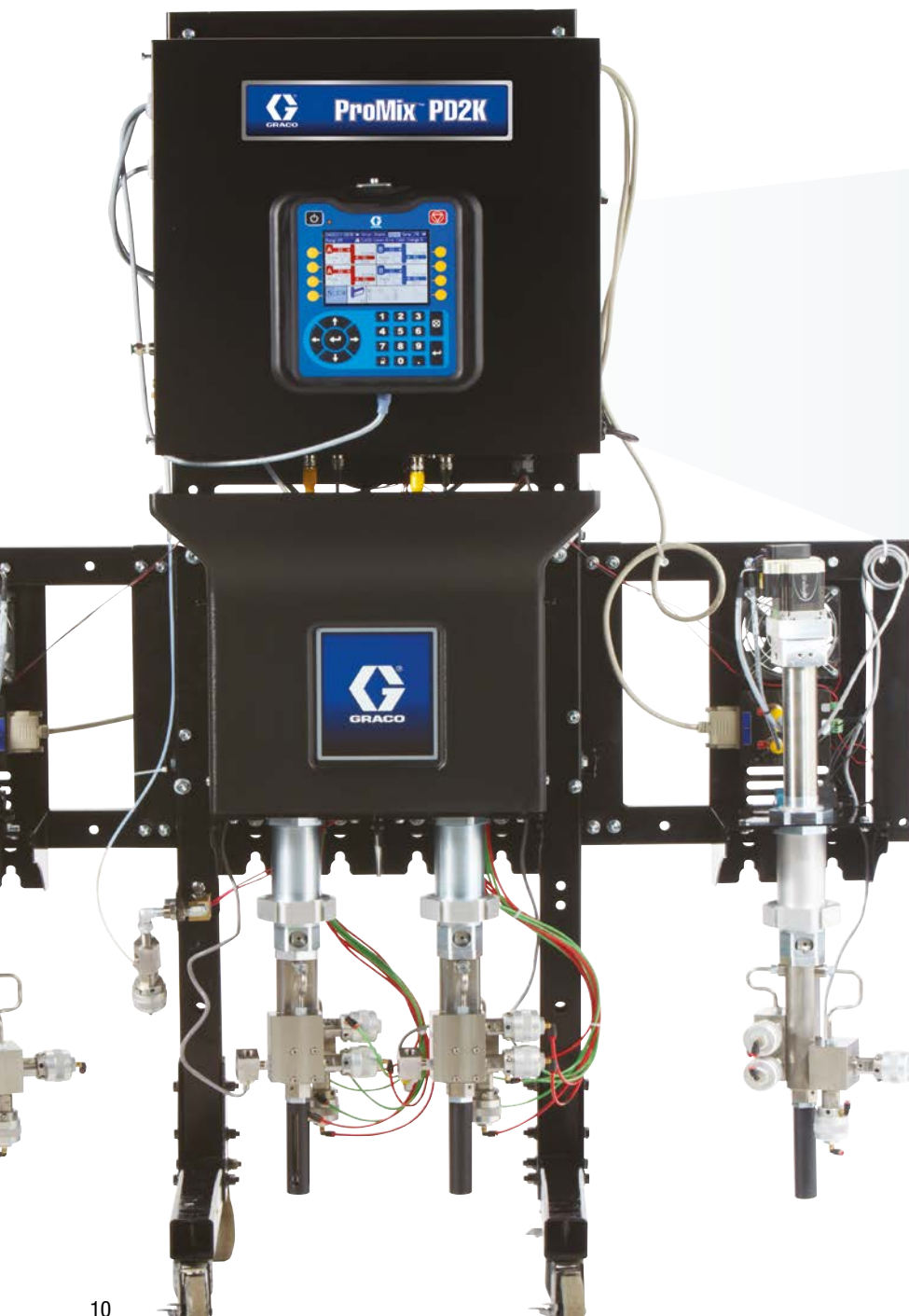
- Simple turbine powered electrostatic generator is easy to use & install
- Proven electrostatic spray performance in both air spray and air-assisted technologies

Automatic Metering and Mixing

Graco's metering and mixing technology offers precise and reliable electronic fluid control for a broad range of materials.



Accurate mixing and ratio assurance ensure multiple component materials are mixed on-demand at the correct ratio for optimal material performance. Precision flow control provides a consistently smooth fluid delivery.



User Interface:



- Allows users to clearly monitor and control their system from one easy-to-use interface
- Controls the proportioner and spray applicators from one location
- Simple to install and configure with simple threaded connections, automatic troubleshooting, and flexible software upgrades

ProMix PD2K Auto

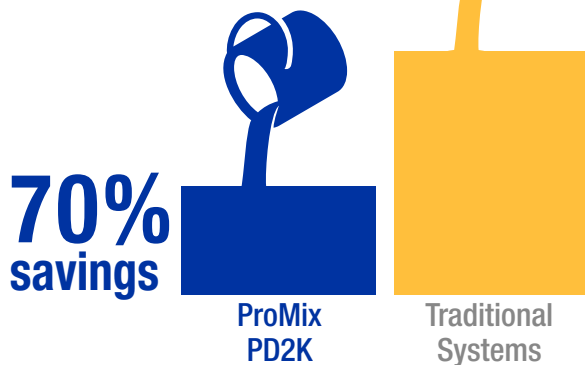
Positive Displacement Dosing System

This ProMix PD2K positive displacement pump provides true volumetric fluid control for the ultimate in precision, accuracy and control.

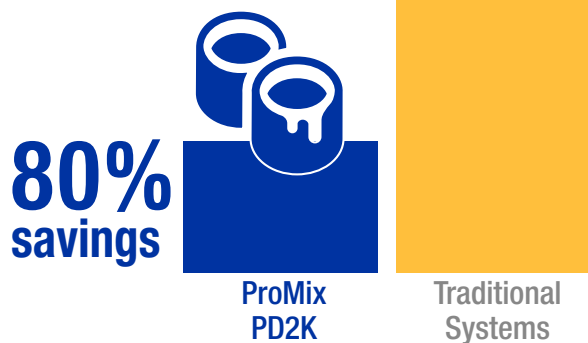
- Exceptional accuracy – within 1% – over a wide variety of materials, pressures and flow rates
- Precise and consistent flow control
- Minimal impact from temperature, viscosity, or elevation
- Remote mixing for low waste and fast color changes
- Positive displacement dosing pumps offer many advantages over gear pumps

Reduce Solvent & Material Waste By Up To 80%

Daily Paint Usage*



Daily Solvent Usage*



*Savings based on 7 color changes per day and a hose length of 15M x 1/4 in diameter (50 ft x 1/4 in).



ProMix 2KS Auto

Meter-Based Dosing System

This meter-based dosing system utilizes high quality gear meters and dosing valves to accurately meter and mix fluids on-demand with accurate ratios. ProMix 2KS Auto also has an optional closed-loop flow control system to maintain consistent flow rates.

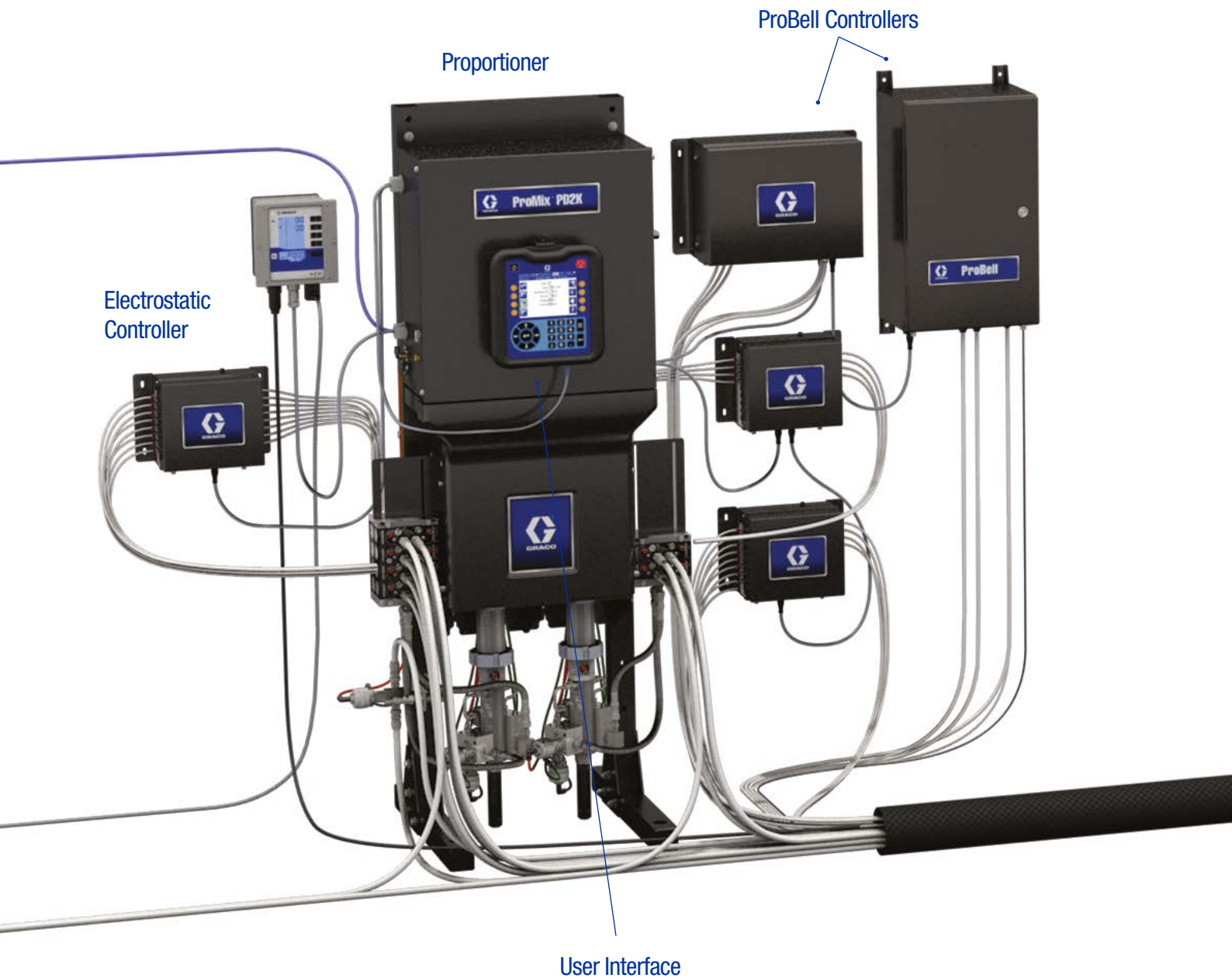
- Exceptional accuracy over a wide variety of materials, pressures and flow rates
- Sequential or dynamic dosing

Technology that's Easy to Integrate



By easily managing all spraying variables from one familiar controller, you get total paint control. Plus, everything seamlessly integrates with robots, reciprocators and fixed guns in both 1K or 2K applications.

Precision fluid control
and industry-leading accuracy



Up to **80%** reduction in flushing waste
and faster color changes with remote mixing



Applicator

Remote Mix Valves

Maximize transfer efficiency,
improve finish quality, and boost
performance with Graco applicators

Partnerships with
distributors, integrators and
robot manufacturers to
connect you with the best
in the business



For more information on how Graco can help you benefit
from automation, visit:

www.graco.com/finishing



ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

GRACO LOCATIONS

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Graco is certified ISO 9001.



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