EXEL North America, located in Plymouth, Michigan is the leader of high value added custom and standard solutions for controlled applications of powders and thick or thin fluids in the industrial and automotive markets.

Our success is possible because of our strong commitment to the growth of our employees, who are carefully chosen for their integrity and mission-to-serve with a sense-of-urgency attitude.

EXEL North America consists of nearly 100 employees with offices in Plymouth, Michigan; Scarborough, Ontario, Canada; and Monterrey, Mexico. We have two distinct sales and service teams for our Wood & General Industry markets and our Tier 1 & Automotive markets.

EXEL North America is a wholly owned subsidiary of EXEL INDUSTRIES, a Global company with 21 manufacturing centers, two in the US, and 23 subsidiaries, three in North America. For more information go to www.exel-industries.com.

We are committed to complete customer satisfaction! We vow to develop the latest innovations, maintain close relationships with key influencer’s in the industry and deliver the best solutions for our customers.

EXEL history dates back to 1925 with the introduction of the first airspray gun from KREMLIN. SAMES was founded in 1947 and REXSON in 1954. EXEL expanded into North America in 1978.

People:
- Integrity
- Solution
- Service

Products:
- Quality
- Innovation
- Performance

Delivering Controlled Applications
Liquid Finishing - Powder Coating - Sealants - Adhesives
Lubricants - Mold Release Agents - Potting - Plural Component Materials
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www.exel-na.com
Production Guns for Demanding Industrial Environments
There are many choices today in airspray guns. Yet, few can deliver high uptime performance with outstanding finish quality like the KREMLIN guns you will find here.

HVLP OR LVLP GUNS

M22 HTi
This gun is our High Efficiency full production gun. It is available as a pressure or gravity feed gun. The performance is assured using two configurations, compliant HVLP or high performance and transfer efficiency LVLP for hard to atomize coatings such as high solids and waterbornes.

S3 HTi
This gun is our lightest and most compact High Efficiency gun designed for small hands and tight areas. It is available in both pressure and gravity models and is HVLP compliant.

CONVENTIONAL GUNS

M22 HPA
This is our High Finish Quality full production gun. It is available as a pressure, gravity or suction feed gun.

S3 HPA
This gun is our lightest and most compact High Finish Quality gun designed for finishing tight areas. It is available as a pressure, gravity or suction feed gun.
M22 P HTV
This is our VORTEX full production gun. It is available as a pressure feed gun only. This is a gun that uses Kremlin’s unique Vortex technology to spray low viscosity materials on sharply profiled surfaces.

M22 BasiK HPA
This our High Finish Quality full production economy gun. It is available as a pressure, gravity or suction feed gun.

AIRSPRAY SYSTEMS
Pressure Pot & Pumping System
The Benefits of AIRMIX®

Airmix® has become a standard in the industry by providing better atomization, low paint particle velocities, low air consumption and extremely high transfer efficiencies.

AIRMIX® - Superior to conventional, low pressure, and airless spraying.

Paint Velocity
- Reduces booth maintenance
The paint velocity has a direct impact on performance: the higher the velocity, the greater the amount of overspray and bounceback, which combine to quickly pollute the booth. As can be seen from the graph on the right, the particle speed with AIRMIX® is much lower than with all other systems.

Transfer Efficiency
- Saves on paint costs
Users of AIRMIX® achieve the highest transfer efficiency available. Efficiencies on different types of manual spray equipment are:

Air Consumption
- Lower energy costs
AIRMIX® uses less air for atomization air than any other high quality spray system. AIRMIX® works well with smaller air compressors, lower production air pressure and lower compressed air volumes. This generates major savings in compressed air cost and reduces air compressor maintenance.

Fine Atomization
- Excellent finish
AIRMIX® uses a specially designed aircap to provide a smooth and even finish every time. The aircap helps to evenly atomize the paint as it leaves the fluid tip. This even atomization allows the paint to be broken down into smaller particles which provides the best coat with minimal defects or orange peel.
AIRMIX®

Xcite™
The New Kremlin Xcite™ AIRMIX® gun delivers outstanding operator comfort. It does this with a lightweight body, a swivel fitting for easy maneuverability and ultra-light trigger for easy handling and increase productivity.

The New Xcite™ AIRMIX® delivers outstanding reliability, transfer efficiency, finishing quality, and pattern control. It uses the highest quality components for long-lasting reliable performance. In addition, the AIRMIX® aircap is our newest aircap that delivers a high quality finish at best in its class transfer efficiency while giving the operator the ability to adjust pattern size. Nothing compares.

Flowmax® 17.A2 Pump
This is the highest performance pump in the industry. It uses KREMLIN’s two unique features; Flowmax® technology to ensure extremely long life and Quick changeover valves to deliver a perfectly stable fluid supply.

10.14 System
The high efficiency choice
This is the most popular system in the industry with thousands in operation throughout the world. It is extremely efficient using minimal compressed air which reduces energy consumption and contains small fluid sections to minimize waste.
The Global Leader in Non-Electrostatic Automatic Guns

Kremlin sells more high quality automatic and non-electrostatic guns than any other manufacturer in the world.

**HVLP - CONVENTIONAL**

**A35 - HVLP**
This is a modular gun for quick service. The HPA model is designed for wide pattern and finish quality while the HTi is for high efficiency and HVLP compliance.

**A3**
This compact gun has a low flow rate that produces a fine spray pattern and is extremely efficient. It is capable of spraying small patterns, lines and adhesives. The A3 can be adjusted to HVLP compliant pressures.

**CONVENTIONAL**

**A29**
This is a high production gun for demanding finish quality standards. The HPA model is designed for wide pattern and finish quality while the HTi is for high efficiency and HVLP compliance.

**A25F - Flowmax™**
This modular gun is designed for UV and waterborne coatings where packing life is short on other guns. It uses the FLOWMAX™ technology for long life. The A25F is available as a conventional gun only.
AIRMIX® GUNS

AVX AIRMIX®
This is the most efficient non-electrostatic gun in the industry. It has a modular design for quick service.

CONVENTIONAL

A28
This gun has a patented needle/packing design that delivers high performance and low service requirements on solvent free abrasive coatings like porcelain enamel. It delivers outstanding efficiency with a high finish quality.

AXC AIRMIX®
This is the most efficient non-electrostatic gun in the industry. This gun is designed for high flow rates and production.

AIRLESS

There are three choices of automatic Airless guns:
- ASI24 for 3600 psi
- ASI40 for 6000 psi
- ASI40GT for 6000 psi
These guns have a longer packing life.

ATX AIRMIX®
The ATX gun is the most widely used gun in the world for flat-line and linear finishing. They provide excellent atomization quality and outstanding transfer efficiency. Special tips and bases are available for this modular gun.
The Most Efficient Manual Production Guns in the World

It often doubles the production rate while cutting paint costs and waste.

**Manual electrostatic spray gun - Airspray, HVLP, Super Vortex, and AIRMIX®**

The Spraymium® is ideal for high and low pressure applications spraying solvent and water-based paints. It is connected to the SPRAYBOX® control module with an electro-pneumatic coupling.

The Airspray version provides superior atomization at lower air pressures and is currently available. This allows for a significant reduction in overspray and bounce-back compared to other brands.

The AIRMIX® version supplies superior atomization at significantly less fluid pressure than competitors Air Assisted guns. Less pressure results in less overspray and wasted paint.

The low pressure Super Vortex version provides a circular swirl of atomizing air that improves part penetration and optimizes the electrostatic wrap-around effect.

**AIRMIX® PRESSURE SPRAYMIUM®**

– Up to 3000 psi

At this pressure, the SPRAYMIUM® is available in AIRMIX®. The AIRMIX® version makes the SPRAYMIUM® the most efficient manual spray gun in the industry.

**LOW PRESSURE SPRAYMIUM®**

– Up to 120 psi

The low pressure SPRAYMIUM® is available in conventional fan spray, HVLP fan spray and Super Vortex spray. Each technology has its unique characteristic that delivers optimum performance for multiple specific applications.

Spraymium® is CE, ATEX, FM and CSA approved

3 pre-programmed voltage levels adjustable by operator

www.spraymium.com
AP1000
Use this device for a quick, accurate measurement of the resistivity of liquid paints and clear coat applied via the electrostatic process. Take a sample and perform the measurements in an area where there is no explosion risk.

ISO Bubble™ and Spraymium® Pack
This pack combines an isolated pumping system that is safe, ergonomic, easy-to-use and compact with an ULTRA light SPRAYMIUM® gun. This package is available for spraying waterborne coatings with all the SPRAYMIUM® spray technologies.

If water-based paints are used, the paint circuit and tank must be fully insulated. The ISO Bubble II™ unit from Kremlin meets this requirement.

SPRAYBOX™ CONTROL
This is designed with a graphical interface making it extremely easy to use yet very flexible for the various spraying conditions.

WATERBORNE COATING PAINT PUMPING SYSTEM
Install in areas with no explosion risk.
Nothing Compares in Performance and Efficiency

SAMES has the highest performance range of automatic liquid electrostatic applicators in the industry. Nothing compares in uptime, performance, and efficiency.

**FAN SPRAY**

**TRP Range**

*The reciprocator or robot-mounted TRP guns are the industry’s most popular fan spray gun. They deliver outstanding finish quality with extremely high uptime.*

**KAX - Airmix® & KAP-Airspray**

*These are the easiest guns to install and service. The KAX AIRMIX® gun is the most efficient fan spray gun in the industry.*

**BELL FOR SOLVENT BORNE COATINGS**

**PPH308 & PPH707**

*These are the highest performance and easiest to operate and service in the industry. They use the field reparable air turbines and patented magnetic bell cups. Available for Robotic and reciprocating applications.*

**NANOBELL™**

*Has all the performance features and benefits of the larger bells yet it is more compact for mounting on small robots.*

**NEW**

Now with Hi-TE Technology
Making Manufacturers More Competitive™

**MULTISPRAY™**
This is a hybrid robotic applicator that gives the user a quick way to transition from a fan spray to a bell technology and back. This is ideal for high risk gun to bell conversions.

**REV600/RFV 2000**
This is a simple controller and reciprocator pack. Combined with a vision system it is capable of controlling the trigger points of each gun on a multiple gun system so that guns spray only when parts are present.

**GUN MOVERS**

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**BELL FOR WATER BORNE COATINGS**

**ACCUBELL**
This gun has the same TCP as the ACCULOOK™ yet provides internal charge. Used in confined areas or where production rates are too high for the ACCULOOK™.

**ACCULOOK™**
This gun was designed as a first step conversion from solvent borne to waterborne paint process. It allows the user to use all existing paint feed components without the need for isolation yet benefit from all the advantages of electrostatic.

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**ROBOPAINT™**
EXEL’s Advanced Technology Group is trained to fit all of SAMES guns on any paint robot.

**ACCULOOK™**
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Bringing Innovation to Pumping

With new technologies such as high performance Flowmax® technology and SuperQuiet™ air motor designs, KREMLIN has led the way in pump innovations.

CIRCULATION PUMPS

Kremlin’s circulation pumps range in pressure ratio from 1:1 to 40:1 with fluid outputs of 0.4 GPM (2L) to 32 GPM (120L) at 20 cycles per minute. We offer K-Series, Turbo, Flowmax® and Quatro pump technologies for optimum pump selection.

Flowmax® - Suction Fed Pumps

These pumps use proprietary Kremlin technology resulting in the highest possible uptime of any pump of similar size in the industry. They range from 4:1 to 40:1 with a fluid delivery range of 0.5 GPM (2L) to 2.3 GPM (9L) at 20 cycles per minute.

Turbo - Suction Fed Pumps

This pump technology uses extra heavy-duty chrome, SuperQuiet™ and high performance air motors with a range of packings and balls for optimum performance. These pumps range from 2:1 to 40:1 with outputs of 0.4 GPM (2L) to 1.2 GPM (5L) at 20 cycles per minute.

Quatro™ - For Ultra High Performance

These pumps use a four ball design technology to minimize packing wear and deliver extremely high flowrates. The pressure ratio ranges from 4:1 to 7.5:1 with a pumping range of 11.6 GPM (44LPM) to 32 GPM (120LPM) at 20 cycles per minute.

CPH - Gear Pumps

For applications where the flowrate must be consistent, the CPH gear pumps deliver a consistent flowrate that can be programmed to be up to 2000 cc/min. They are available to pump waterborne or solvent-based coatings.
ACCESSORIES

5 & 55-Gallon Direct & Gear driven Agitator & Elevators

Color Change Stacks
The CTM has large fluid circulation passages for delivering multiple colors to a spray station.

Moduclean Color Change Stacks
When weight is critical, as in robotic or reciprocator applications, the Moduclean color changer is an ideal choice.

Fluid Regulators

HeatStripper™ Paint Heater
This is the only paint heater in the industry that has the proprietary HeatStripper™ technology which maximizes heat transfer efficiency and delivers extreme uptime.
MECHANICAL 2K

PU2120 - Airspray
This is a mechanical fixed ratio plural component system that comes standard with flush pump and mix manifold. It is designed to feed 1 or 2 airspray guns.

PU2160F
This is an AIRMIX® pressure, entry level, fixed ratio mechanical two component system that uses the Flowmax® technology on the catalyst side. It feeds one or two AIRMIX® guns.

PU3000
This unit is a simple plug and play design. It comes with the remote control panel with electronic variable ratio control and pumps. It has Patented FREE PULSE CONTROL for pulsation free performance.

KREMLIN has been producing plural component equipment for over 25 years. Each KREMLIN plural component package is packed with features that deliver high uptime and simplicity of maintenance and operation.
**ELECTRONIC 2K DOSING**

**Cyclomix™ Multi**
This is a mid-level electronic two component system. It comes standard with controls to manage up to 7 colors and 3 catalysts. It is controlled using a panel mounted touch screen panel.

**Cyclomix™ Micro**
This is our smallest electronic mechanical two component system. It comes standard with up to three color controls and a remote booth mounted control panel.

**Cyclomix™ Expert**
This is a high level plural component system. It can handle many colors and catalysts, it can control 3 component mixing, as well as, other customizable features.

**Flowmix™**
This is a high level 2 component system. Using gear driven A and B feed pumps, it has the ability to control both the ratio and the flow rate.
Over 50 years of Sealant and Adhesive Solutions

REXSON and Johnstone brings to the sealant and adhesive market both standard and custom solutions to maximize uptime and productivity.

**PUMPS**

**ALTO**

5 & 55-gallon ram pumps with a ratio range of 8:1 to 63:1 and a fluid delivery range of 40 to 140 ounces at 20 cycles per minute.

55-gallon ram pumps with a ratio range of 10:1 to 82:1 and a fluid delivery range of 1 gallon to 3 gallons at 20 cycles per minute.

**TÉNOR**

55-gallon ram pumps with a ratio range of 18:1 to 45:1 and a fluid delivery range of 3.5 gallons to 4.8 gallons at 20 cycles per minute.

**MAJOR**

5 & 55-gallon ram pumps with a ratio range of 10:1 to 82:1 and a fluid delivery range of 1 gallon to 3 gallons at 20 cycles per minute.
DISPENSING HEADS
Continuous flow, single & two component dispense heads.

Quick release cartridge for easier maintenance. Great solution for long life and high viscosity adhesive, sealing and lubrication applications.

DISPENSING GUNS
Rex-Flo™ - Manual Valves

This ejection valve is designed to work with high abrasive materials with the ability to have an adjustable metered shot. It also supports temperature conditioning.

300 GALLON BULK UNLOADING PUMPS
Leading Edge Manual and Automatic Powder Guns

Whether the application is simple or complex, SAMES has the right gun for the application.

Mach-Jet
The unit can be pre-programmed to deliver the exact voltage and powder flow combination to optimize gun performance. It is available in a box and hopper feed design.
AUTOMATIC POWDER COATINGS

Auto Mach-Jet & Automatic E-Gun
The automatic E-Gun utilizes the same charging technology as the manual E-Gun. The Auto Mach-Jet is the newest gun in the Sames line. It has an easy to use controller and excellent transfer efficiencies.

SRV 038
This automatic and electrostatic powder coating applicator with rotating bell is specially designed for applications on large flat surfaces or irregular surfaces requiring a more consistent film build.
QUICK PAYBACK SOLUTIONS

Agricultural Market

Plastic Feeder Market

Military Vehicles Market

Construction Equipment Market

Tier 1 & Heavy Truck Market

Kitchen Cabinet Market

Conduit Manufacturing Market

3K CARC Military Vehicles Market

Vending Machine Market

Cabinet and Machine Tool Market

Appliance Market

Service Capabilities

Robot Mounted Applicator

Product Assembly Market

Drum Painting Market

From Low Speed to High Speed Turbine

Aerospace Market

Kitchen Cabinet Market

Conduit Manufacturing Market

3K CARC Military Vehicles Market
Market Development Literature
Why do most finishing systems only come with a 1 year manufacturer’s warranty on the product not the process? It’s because most systems integrators or distributors do not control the entire process.

What makes EXEL ADVANCED TECHNOLOGY Group different? It is because we believe in our process and products.

Our Specialities
- Robotic Applications
  - Multi axis robots
  - Robotic integration
- Reciprocation
- Paint Kitchens
- Process Control
- PLC Control
- UV Finishing
- Color Changers
- Speciality Gun Movers
- Fluid Delivery
- Electrostatics
  - Liquid
  - Powder
- Electronic Proportioning
- Powder Booths
- Process Evaluations

Our Guarantee
The EXEL ADVANCED TECHNOLOGY Group will provide a system performance guarantee based on the mutual acceptance of performance criteria before & after the installation for 6 months.

All other equipment other than wear parts are guaranteed for 2 years one shift.

Our Process
- Market Specialists
- Design Engineering
- Process Engineering
- Controls Engineering
- State of the Art Lab
- CAD Layouts
- Project Management
- Installation Teams
- Site Supervision
- Training Department
- Large Solution & Service Network
- In House Repair
At your service

A worldwide network

Training centres all over the world: Paris, Detroit, Barcelona, Düsseldorf, Shanghai, Mumbai, Sao Paulo...

Visit our website
www.exel-na.com
EXEL North America, consisting of our American, Canadian and Mexican subsidiaries, is a wholly owned subsidiary of EXEL Industries. They bring four finishing, fluid handling and dispensing brands under one company banner. The four brands offer the widest range of controlled application equipment for finishing and dispensing in the world.

**Our Vision**

To remain the global leader in high value added custom and standard solutions for controlled applications of powders and fluids, thick or thin, in the industrial and automotive markets.

**Our Values**

We are a team of people with integrity that have a mission-to-serve with a sense of urgency in delivering the right solution and service through our network of Solution and Service Centers.

**Our Mission**

*Making Manufacturers More Competitive™*

Finishing • Fluid Handling • Dispensing
Precision Finishing, Fluid Handling and Dispensing Brands

EXEL R&D, Testing, Training, Distribution and Manufacturing Locations

Full Range of Equipment

Manufacturing Markets Served

EXEL A NORTH AMERICAN PRESENCE