



MANUFACTURING GROUP

ENERGETIC SOLUTIONS

THAT MOVE THE WORLD FORWARD

ADVANCED PROPELLANTS.
SUPERIOR PERFORMANCE.
A MORE SECURE TOMORROW.

PEOPLE
PROCESS
PERFORMANCE
POSSIBILITIES



DEFENSE



SPACE



HYPERSONICS



INDUSTRIAL



GLOBAL
PARTNERSHIPS

PreciXion

DP

AIS

FuXion

EmuXion

QuantumX

ONE GROUP. ENDLESS POSSIBILITIES.

LEADING PROPULSION FOR A BRIGHTER TOMORROW

Proc-X leads the industry in the development and manufacturing of solid propellants and advanced energetic materials, delivering greater performance, reliability, and mission success for a more secure world.

PROC-X.COM

SOLVE. CREATE. PROPEL.

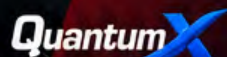
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HIGHER
FASTER
SAFER
STRONGER
TOGETHER

MISSION-DRIVEN SOLUTIONS
FOR A MORE SECURE WORLD.



ONE GROUP. ENDLESS POSSIBILITIES.

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

OUR MISSION & VISION

DRIVING A MORE SECURE AND ADVANCED WORLD

Proc-X is committed to advancing the development and manufacturing of solid propellants, pyrotechnics, and energetic materials through innovative process solutions, engineered equipment, and global expertise.

We partner with organizations around the world to solve complex challenges, accelerate innovation, and deliver safe, reliable, and scalable production systems that support critical missions in defense, space, and commercial markets.



OUR MISSION

To empower our customers with industry-leading process solutions that enable the safe, efficient, and scalable production of energetic materials — supporting a safer, more secure world.



OUR VISION

To be the global leader in process technology for solid propellants and energetic materials, known for innovation, reliability, and a relentless focus on our customers' success.

OUR CORE VALUES



INNOVATION

Advancing processes for next-generation materials.



SAFETY

Protecting people, facilities, and communities.



CUSTOMER SUCCESS

Your mission drives our commitment.



PERFORMANCE

Delivering measurable results.



GLOBAL IMPACT

Supporting defense, space, and commercial advancements worldwide.

A STRONGER TOMORROW.
POWERED BY PROCESS.

PreciXion

DP

AIS

FuXion

EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

THE PROC-X ADVANTAGE

EXPERIENCE. TECHNOLOGY. INTEGRATION. RESULTS.

Proc-X delivers more than equipment — we deliver a complete advantage. Our deep application knowledge, engineering excellence, and integrated approach help customers reduce risk, improve performance, and bring advanced energetic materials to market faster.



DECADES OF EXPERTISE

Proven experience in solid propellants, pyrotechnics, and advanced energetic materials.



APPLICATION-DRIVEN SOLUTIONS

Engineered around your material properties, process requirements, and mission goals.



INTEGRATED SYSTEMS

From individual machines to complete production lines — mixing, reacting, drying, milling, conveying, dosing, and packaging.



FASTER TIME TO RESULTS

Accelerating development and scale-up with proven technology and global support.



SAFETY & RELIABILITY

Built to the highest global standards for hazardous materials and critical environments.



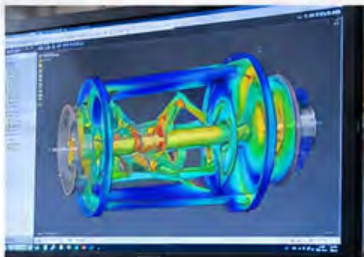
A TRUE PARTNER

Supporting your success from R&D through full-scale production and beyond.

HIGHER
FASTER
SAFER
STRONGER
TOGETHER

ADVANCING
WHAT'S NEXT.
TOGETHER.

ENGINEERING REAL-WORLD SOLUTIONS



Advanced design, modeling, and testing to optimize performance, safety, and scale.

MANUFACTURING BUILT FOR MORE



Rugged, high-precision equipment for the most demanding applications.

INTEGRATION FROM CONCEPT TO COMPLETION



Complete, turnkey systems with seamless integration across unit operations.

GLOBAL SUPPORT WHERE YOU NEED US



Application experts, parts, service, and training — worldwide.

PreciXion

DP

AIS

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EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

APPLICATIONS & MARKETS

CRITICAL MATERIALS. REAL-WORLD IMPACT.

Proc-X process solutions are trusted across the most demanding industries, supporting the development and production of solid propellants, pyrotechnics, and advanced energetic materials. From research and pilot scale to full production, we deliver the technology, safety, and expertise to help our customers achieve their mission.

HIGHER
FASTER
SAFER
STRONGER
TOGETHER



DEFENSE & MILITARY

PROVEN. RELIABLE. MISSION READY.



- Solid rocket motors
- Missiles and tactical systems
- Gun propellants and charges
- Insensitive munitions (IM)
- Custom energetic formulations



SPACE & LAUNCH VEHICLES

POWERING EXPLORATION.



- Space launch solid propellants
- Hybrid propulsion systems
- Satellite attitude control (SAC)
- Deep space and planetary missions
- R&D and next-generation formulations



INDUSTRIAL & COMMERCIAL

PERFORMANCE FOR A BROADER WORLD.



- Blasting agents and initiation systems
- Industrial pyrotechnics
- Demolition and decommissioning
- Specialty energetic materials
- Custom processing and packaging



RESEARCH & ACADEMIC

INNOVATION STARTS HERE.



- Formulation development
- Pilot-scale production
- Process optimization
- Material characterization
- Collaboration and technology transfer



SPECIALTY MATERIALS

ENGINEERED FOR WHAT'S NEXT.



- Oxidizers, binders, plasticizers
- Metal powders (Al, Mg, Zr, B, etc.)
- Composite propellants
- Additive manufacturing feedstocks
- Custom compounds and formulations



GLOBAL MARKETS

SOLUTIONS WITHOUT BORDERS.



- North America
- Europe
- Asia Pacific
- Middle East
- Global support and service network

DIFFERENT MARKETS. A STRONGER TOMORROW.

PreciXion

DP

AlS

FuXion

EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

MATERIALS EXPERTISE

FROM RAW MATERIALS TO HIGH-PERFORMANCE FORMULATIONS.

Proc-X has extensive experience processing a wide range of energetic materials, oxidizers, binders, metal powders, and custom formulations. Our equipment and process solutions are engineered to handle the unique characteristics, safety requirements, and performance goals of each material.

MATERIALS.
PROCESSES.
PEOPLE.
A SAFER,
STRONGER
TOMORROW.

SOLID PROPELLANTS



- Composite propellants (AP/HTPB)
- Double-base and single-base
- Castable and extrudable formulations
- Grain processing and finishing
- R&D to full-scale production

OXIDIZERS



- Ammonium perchlorate (AP)
- Ammonium nitrate (AN)
- Potassium nitrate (KN)
- Other inorganic oxidizers
- Safe handling, mixing, and drying

BINDERS & PLASTICIZERS



- HTPB, PBAN, GAP, and others
- Plasticizers and curing agents
- Precise temperature control
- Vacuum mixing and deaeration
- Consistent, homogeneous blends

METAL POWDERS



- Aluminum, magnesium, zirconium
- Nano and micron-sized powders
- Inert atmosphere processing
- Agglomeration and coating
- Dust containment and safety systems

ADDITIVES & CATALYSTS



- Burn rate modifiers
- Combustion catalysts
- Stabilizers and inhibitors
- Custom additive formulations
- Precise dosing and dispersion

CUSTOM ENERGETIC FORMULATIONS



- Pyrotechnic compositions
- Specialized energetic compounds
- Customer-specific formulations
- R&D, pilot, and production scale
- Confidential development programs

HANDLING CHALLENGING MATERIALS



- Fine and nano-sized powders
- Electrostatic and dust control
- Inert gas and ATEX compliant systems
- Temperature-sensitive materials
- Hazardous and sensitive formulations

ANALYSIS & QUALITY



- Particle size analysis
- Morphology and surface area
- Blend uniformity testing
- Thermal and combustion analysis
- Process validation and documentation

MATERIAL
KNOWLEDGE
DRIVES
PERFORMANCE.

From standard materials to highly specialized formulations, Proc-X provides the equipment, expertise, and support to help you develop and manufacture safer, more reliable, and higher-performing energetic materials.

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

PROCESS SOLUTIONS

ENGINEERED FOR SAFETY. OPTIMIZED FOR PERFORMANCE.

Proc-X provides a complete range of process equipment and integrated systems for the safe and efficient handling, mixing, reacting, drying, milling, conveying, and dosing of solid propellants, pyrotechnics, and advanced energetic materials.

From single machines to fully integrated production lines, our solutions are engineered to meet stringent safety requirements, deliver consistent quality, and support scale-up from R&D to full production.



PROVEN
PROCESSES.
SAFER
OPERATIONS.
HIGHER
PERFORMANCE.

01 MIXING & BLENDING



- Ribbon, paddle, plow, and dual-shaft mixers
- High-shear and fluidized zone mixers
- Vacuum, pressure, and inert atmosphere options
- Uniform, consistent formulations

02 REACTION & PROCESSING



- Jacketed reactors
- Heating and cooling systems
- Pressure and vacuum capabilities
- ATEX and safety-rated designs
- Precise temperature and process control

03 DRYING & TEMPERATURE CONTROL



- Vacuum dryers
- Belt and spray dryers
- Low-temperature drying for sensitive materials
- Solvent removal and moisture control
- Scalable continuous and batch systems

04 MILLING & SIZE REDUCTION



- Pin mills, jet mills, ACM mills, and hammer mills
- Cryogenic milling solutions
- Particle size control and distribution
- Designed for energetic and temperature-sensitive materials
- Integrated classification systems

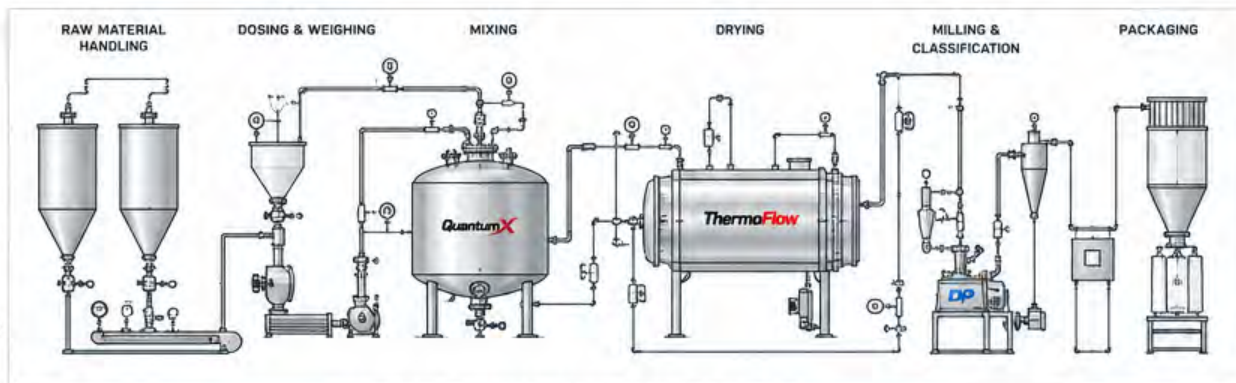
05 CONVEYING & DOSING



- Dense and dilute phase pneumatic conveying
- Loss-in-weight and gravimetric dosing
- Bulk bag, tote, and silo handling
- Containment and dust control systems
- Fully integrated with process equipment

INTEGRATED SOLUTIONS FROM START TO FINISH.

We engineer complete, turnkey systems that seamlessly integrate unit operations, controls, and safety features.



TYPICAL PROCESS FLOW DIAGRAM (P&ID)

PreciXion

DP

AIS

FuXion

EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

OUR PRODUCT PORTFOLIO

A COMPLETE RANGE OF PROCESS SOLUTIONS

Proc-X and our family of brands deliver a comprehensive range of equipment and integrated systems for solid propellants, pyrotechnics, and advanced energetic materials. From material handling and mixing to size reduction, drying, and packaging — we provide proven solutions engineered for performance, safety, and scalability.



SOLUTIONS
FOR A SAFER,
STRONGER
TOMORROW.

QuantumX



MIXING & REACTION

- Ribbon, paddle, and plow mixers
- High-shear and fluidized zone mixers
- Vacuum and pressure systems
- Jacketed reactors
- ASME and ATEX designs

AIS



MATERIAL HANDLING

- Bulk bag, tote, and silo systems
- Dense and dilute phase conveying
- Loss-in-weight and gravimetric dosing
- Feeders, valves, and airlocks
- System integration and controls

DP



MILLING & SIZE REDUCTION

- Pin mills, jet mills, ACM mills
- Hammer mills and lump breakers
- Cryogenic milling solutions
- Particle size control and classification
- Engineered for energetic materials

ThermoFlow



DRYING & THERMAL PROCESSING

- Belt and spray dryers
- Vacuum and low-temperature drying
- Solvent removal and moisture control
- Continuous and batch systems
- Engineered for temperature-sensitive materials

EmuXion



LIQUID MIXING & EMULSIFICATION

- High-shear mixers and homogenizers
- Inline and batch systems
- Dispersion and particle size reduction
- Vacuum and pressure options
- CIP/SIP capable designs

PreciXion



PACKAGING & FILLING

- Automated filling and capping
- Form, fill, and seal systems
- Checkweighers and metal detection
- Integration with upstream/downstream
- Turnkey packaging lines

InspeX



INSPECTION & QUALITY CONTROL

- Metal detection systems
- Checkweighers
- X-ray inspection (optional)
- Product safety and compliance
- Integrated line solutions

FuXion



EXTRUSION & SHAPING

- Twin-screw extruders
- Compaction and extrusion systems
- Custom dies and tooling
- Continuous processing solutions
- Engineered for high-performance materials

ONE PORTFOLIO. A MORE SECURE WORLD.
PROCESS SOLUTIONS THAT DELIVER.

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

SAFETY & COMPLIANCE

BUILT TO HIGHER STANDARDS.

Proc-X is committed to delivering equipment and systems that meet the highest global standards for safety, quality, and regulatory compliance. Our solutions are engineered for hazardous materials and critical environments, helping customers operate with confidence and peace of mind.

SAFETY
BY DESIGN.
PERFORMANCE
WITHOUT
COMPROMISE.

APPLICABLE STANDARDS & DIRECTIVES



CE MARKING
Machinery Directive 2006/42/EC
PED 2014/68/EU
ATEX 2014/34/EU



ATEX
2014/34/EU
Equipment for
explosive atmospheres



ISO STANDARDS
ISO 12100 (Risk Assessment)
ISO 13849-1 (Safety of Machinery)
ISO 9001 (Quality Management)



ASME
Boiler and Pressure
Vessel Code



IEC STANDARDS
IEC 61508 / IEC 61511
Functional Safety



FDA / 21 CFR
21 CFR Part 11
Electronic Records
and Signatures



CSA (Canada)
Compliance for
Canadian installations



cGMP
Good Manufacturing
Practices

SAFETY FEATURES

EXPLOSION PROTECTION



- ATEX-compliant designs
- Inert gas blanketing options
- Pressure relief systems
- Explosion isolation devices
- Engineered for hazardous zones

PROCESS SAFETY



- Pressure and vacuum protection
- Redundant safety instrumentation
- Temperature control and alarms
- SIS / interlock integration
- HAZOP and risk assessment support

OPERATOR SAFETY



- Safety-rated controls
- Guarding and interlocks
- Ergonomic and safe access design
- Clear HMI alarms and alerts
- Compliance with global safety standards

QUALITY & VALIDATION



- IQ / OQ / PQ documentation
- Material traceability
- Validated control systems (21 CFR Part 11)
- Full documentation packages
- Support for customer audits

PreciXion

DP

AIS

FuXion

EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

SERVICES & SUPPORT

PARTNERING THROUGH EVERY STAGE.

Proc-X provides more than equipment. We deliver a complete partnership, from initial concept and testing to installation, training, and long-term support. Our global team of process experts, engineers, and service professionals work with you to maximize performance, ensure compliance, and keep your operation running at its best.

EXPERTISE
THAT KEEPS
YOU MOVING
FORWARD.



TESTING & PROCESS DEVELOPMENT



- In-house testing and feasibility trials
- Process development and optimization
- Material characterization and analysis
- Scale-up support
- Confidential testing programs



ENGINEERING & CUSTOM SOLUTIONS



- Application engineering
- Custom equipment design
- Process integration and automation
- GA & P&ID development
- Safety, regulatory, and compliance support



INSTALLATION & COMMISSIONING



- On-site installation support
- Commissioning and start-up assistance
- System integration and validation
- Operator training
- Performance verification



TRAINING ACADEMY



- Operator and maintenance training
- Process and safety training
- Classroom and hands-on programs
- Customized training modules
- On-site or at our facilities



GLOBAL AFTERMARKET SUPPORT



- Spare parts availability (5+ years)
- Preventive maintenance programs
- Equipment upgrades and retrofits
- Remote and on-site technical support
- Global service network



MAXIMIZING YOUR PERFORMANCE



- Process optimization
- Efficiency and yield improvements
- Energy and cost reduction
- Lifecycle support
- A long-term partner in your success

FROM
IDEA TO
PRODUCTION.
AND BEYOND.



CONCEPT
& TESTING



ENGINEERING
& DESIGN



MANUFACTURING
& VALIDATION



DELIVERY &
INSTALLATION



TRAINING &
SUPPORT



LONG-TERM
PARTNERSHIP



SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

INDUSTRIES WE SERVE

REAL-WORLD SOLUTIONS. MEASURABLE IMPACT.

Proc-X delivers process equipment and integrated systems to a wide range of industries, helping our customers solve complex material processing challenges with safer, more efficient, and higher-performing solutions.

Our deep application expertise, combined with a portfolio of industry-leading brands, allows us to support everything from R&D and pilot production to full-scale manufacturing.

DIFFERENT
INDUSTRIES.
A STRONGER
TOMORROW.



AEROSPACE & DEFENSE



- Solid propellants and energetic materials
- Metal powders and advanced alloys
- Composite formulations
- Research and development support



PHARMACEUTICAL



- API blending and granulation
- Containment and dust control
- CIP/SIP capable designs
- cGMP and 21 CFR Part 11 compliance



FOOD & NUTRACEUTICAL



- Spice sterilization and drying
- Powder handling and dosing
- Mixing, blending, and size reduction
- Sanitary designs and food safety compliance (FSSC 22000)



CHEMICAL



- Powder and liquid processing
- Reactive and hazardous materials
- ATEX and explosion-proof designs
- Custom process systems



BATTERIES & ADVANCED MATERIALS



- Active material blending and coating
- Lithium, graphite, and specialty powders
- Inert atmosphere and vacuum systems
- Pilot and production-scale solutions



SUSTAINABLE MATERIALS



- Biochar and biomass processing
- Recycling and waste-to-value
- Renewable material formulation
- Emission control and dust containment



CEMENT, CERAMICS & MINERALS



- Milling, classification, and drying
- High-wear and abrasive materials
- Continuous processing systems
- Engineered for harsh environments



PLASTICS & POLYMERS



- Compounding and mixing
- Additives and masterbatch processing
- Size reduction and classification
- Temperature-sensitive materials



COATINGS, INKS & PIGMENTS



- Pigment dispersion and milling
- High-shear mixing and homogenizing
- Solvent and water-based systems
- Customized turnkey solutions



AGRICULTURE & ANIMAL NUTRITION



- Feed premix and additive dosing
- Bulk handling and storage systems
- Mixing and ingredient automation
- Dust control and sanitation



GENERAL MANUFACTURING



- Custom process equipment
- System integration and automation
- From pilot to full production
- Engineered for performance and scalability



RESEARCH & ACADEMIA



- Pilot-scale and R&D systems
- Flexible and modular designs
- Application development and testing
- Collaboration and technical support

SOLVING
TODAY'S
CHALLENGES
ACROSS
TOMORROW'S
INDUSTRIES.



SAFER
PROCESSES



HIGHER
PERFORMANCE



GREATER
EFFICIENCY



A MORE
SUSTAINABLE WORLD

PreciXion®

DP

AlS

FuXion

EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

A GLOBAL PRESENCE

LOCAL SUPPORT. GLOBAL CAPABILITIES.

Proc-X serves customers around the world with strategic locations, manufacturing partners, and a global network of experts. Our international presence allows us to provide local support, faster response times, and solutions tailored to regional requirements — backed by the strength of a worldwide supply chain.

SOLVING
TOMORROW'S
CHALLENGES
TOGETHER.



- Headquarters & Test Facility
- Sales & Support Office
- Global Sales Network

A STRONGER WORLDWIDE NETWORK

Through direct offices, strategic partners, and a dedicated team, Proc-X supports customers in over 60 countries, delivering equipment, expertise, and service where you need it.

KANSAS CITY, USA HEADQUARTERS & TEST FACILITY



- Sales, engineering, and project management
- Customer testing and process development
- Equipment assembly and FAT
- Parts and service support
- Training academy

UNITED KINGDOM SALES & SUPPORT OFFICE



- Regional sales and support
- Application engineering
- Customer service and parts
- Local technical support
- Training and demonstrations

UNITED ARAB EMIRATES SALES & SUPPORT OFFICE



- Regional sales and support
- Middle East and Asia market coverage
- Project management support
- Spare parts and service coordination
- Application development

BRAZIL SALES & SUPPORT OFFICE



- Regional sales and support
- South America market coverage
- Project and application support
- Local service coordination
- Customer training and demonstrations


60+
COUNTRIES
SERVED


1000+
INSTALLATIONS
WORLDWIDE


30+
YEARS OF
EXPERIENCE


LOCAL
SUPPORT
OFFICES


GLOBAL
SALES NETWORK


**A STRONGER
TOMORROW
TOGETHER**

PreciXion

DP

AIS

FuXion

EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

FROM IDEAS TO IMPACT

SOLUTIONS FOR A BRIGHTER, SAFER TOMORROW.

Proc-X delivers the equipment, systems, and expertise to help our customers solve the world's most complex material processing challenges. From research and pilot scale to full production, we enable innovation across industries that make a difference.

ADVANCED
PROCESS SOLUTIONS
FOR A CLEANER,
SAFER, STRONGER
TOMORROW.



INNOVATION DRIVEN

Enabling new products
and advanced
applications.



ENGINEERED SOLUTIONS

Customized equipment
and integrated systems.



SAFER PROCESSES

Built to the highest
global standards.



GREATER POSSIBILITIES

Helping customers
achieve measurable
results.



INDUSTRIES WE SERVE

AEROSPACE & DEFENSE



Solid propellants
and energetic materials

PHARMACEUTICAL



APIs, formulations,
and containment

FOOD & NUTRACEUTICAL



Safe, consistent,
high-quality processing

CHEMICAL



Reactive and
hazardous materials

BATTERIES & ADVANCED MATERIALS



Lithium, graphite,
and specialty powders

PLASTICS & POLYMERS



Compounding,
additives, and masterbatch

CEMENT, CERAMICS & MINERALS



Milling, classification,
and drying

COATINGS, INKS & PIGMENTS



Dispersion and
particle size reduction

AGRICULTURE & ANIMAL NUTRITION



Feed premix and
bulk handling

SUSTAINABLE MATERIALS



Recycling, biomass,
and renewable formulations

TOGETHER
WE SOLVE
WHAT MATTERS.



CLEANER
PROCESSES



STRONGER
PRODUCTS



HEALTHIER
COMMUNITIES



A MORE
SUSTAINABLE WORLD

PreciXion

DP

AIS

FuXion

EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

ENGINEERED FOR A BRIGHTER TOMORROW

PEOPLE. INNOVATION. SOLUTIONS.

At Proc-X, we combine engineering expertise, advanced process technologies, and a global support network to deliver equipment and systems that help our customers create safer products, more efficient processes, and a more sustainable future.

PROCESS
TECHNOLOGY
FOR A CLEANER,
SAFER, STRONGER
WORLD.



CLEANER PROCESSES

Reducing emissions
and environmental
impact.



SAFER PRODUCTS

Equipment designed
for the highest global
standards.



HIGHER PERFORMANCE

Maximizing efficiency
and product quality.



A MORE SUSTAINABLE WORLD

Supporting industries
that make a difference.



OUR SOLUTIONS. YOUR ADVANTAGE.

LAB & PILOT SCALE



- Process development
- Formulation optimization
- Scalability testing
- Application support

PRODUCTION SCALE



- Custom engineered systems
- Integrated process lines
- Automation and controls
- Global installation support

PROCESS INTEGRATION



- Ingredient handling & dosing
- Mixing, milling, drying & cooling
- Custom process solutions
- Turnkey system design

LIFETIME SUPPORT



- Spare parts (5+ years)
- Preventive maintenance
- Training academy
- Global service network

BUILDING
A CLEANER,
SAFER, STRONGER
TOMORROW.



SUSTAINABLE
SOLUTIONS



SAFER
COMMUNITIES



STRONGER
INDUSTRIES



BRIGHTER
FUTURES

PreciXion

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EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

CUSTOM SOLUTIONS REAL RESULTS

PROCESS EQUIPMENT. SYSTEMS. SUPPORT.

Every process is unique. That's why Proc-X delivers custom engineered solutions that are tailored to your materials, applications, and production goals. From concept to commissioning, our team works with you to design, manufacture, and support solutions that perform — today and for the future.



UNDERSTAND

We listen to your process, materials, and goals.



ENGINEER

Custom designs built for performance and compliance.



DELIVER

High-quality equipment and integrated systems.



SUPPORT

Global service, parts, and training for long-term success.



YOUR
PROCESS.
OUR EXPERTISE.
A STRONGER
TOMORROW.

CUSTOM SOLUTIONS ACROSS INDUSTRIES

ENERGETIC MATERIALS & DEFENSE



- Mixing, coating and granulation
- Inert and classified environments
- Custom process systems
- Research and pilot scale
- Production scale solutions

PHARMACEUTICAL & NUTRACEUTICAL



- Blending and granulation
- Containment and dust control
- CIP/SIP capable systems
- cGMP and 21 CFR Part 11
- Scalable from R&D to production

FOOD & BEVERAGE



- Mixing, blending and drying
- Sanitary designs and CIP
- Ingredient handling and dosing
- Food safety and compliance (FSSC 22000)
- Batch and continuous systems

CHEMICAL & ADVANCED MATERIALS



- Reactive and hazardous materials
- ATEX and explosion-proof designs
- Corrosion resistant materials
- Custom process integration
- Scale-up and full production

FEATURED CUSTOM SOLUTIONS



MIXING & BLENDING SYSTEMS



DOSING & HANDLING SYSTEMS



DRYING & PROCESS INTEGRATION



CONTAINMENT & SPECIALTY SYSTEMS

PARTNERING
FOR A CLEANER,
SAFER, STRONGER
TOMORROW.



SUSTAINABLE
SOLUTIONS



SAFER
COMMUNITIES



STRONGER
INDUSTRIES



BRIGHTER
FUTURES

PreciXion

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ALS

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EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

PROCESS SOLUTIONS THAT PERFORM

ENGINEERED. INTEGRATED. SUPPORTED.

Proc-X provides world-class process equipment and integrated systems for mixing, milling, drying, handling, and packaging. We combine deep application expertise with a global support network to deliver solutions that are cleaner, safer, more efficient, and built for what's next.

TURNING
CHALLENGES
INTO OPPORTUNITIES
— TOGETHER.

OUR CORE PROCESS SOLUTIONS

MIXING & REACTION QuantumX™



- Ribbon, paddle, plough, and high-intensity mixers
- Vacuum, pressure, and ASME designs
- Batch and continuous systems
- Sanitary and ATEX configurations

MILLING & SIZE REDUCTION DP Pulverizers / DP Mills



- Pin mills, jet mills, ACM mills
- Hammer mills and lump breakers
- Cryogenic milling solutions
- Particle size from microns to millimeters

DRYING & THERMAL PROCESSING ThermoFlow



- Belt and spray dryers
- Vacuum dryers and double cone
- Continuous and batch systems
- Energy-efficient designs

MATERIAL HANDLING & DOSING AIS – Automated Ingredient Systems



- Dense and dilute phase conveying
- Loss-in-weight and gain-in-weight
- Bulk bag, silo, and tote systems
- Conditioning and dehumidification

LIQUID PROCESSING EmulXion™



- High-shear and high-pressure homogenizers
- Inline and batch mixers
- Emulsifying, dispersing, and wetting
- CIP-ready sanitary designs

METAL DETECTION & CHECKWEIGHING InspeX



- Metal detection systems
- Checkweighers and combination units
- Integration with packaging lines
- High-sensitivity, food and pharma grade

EXTRUSION & FORMULATION Fuxion



- Single and twin screw extruders
- Compounding and formulation
- Custom die and cutting systems
- R&D to full-scale production

PACKAGING & FILLING PreciXion



- Filling, capping, and sealing systems
- Integrated end-of-line solutions
- Custom packaging automation
- Designed for food, pharma, and industrial

SOLVING
TODAY'S CHALLENGES
FOR A BRIGHTER
TOMORROW.



PreciXion™

DP

AIS

FuXion

EmuXion

QuantumX

SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

GLOBAL SUPPORT

WHERE YOU ARE. WHEN YOU NEED US.

Proc-X is more than equipment. We are your long-term partner, providing responsive, knowledgeable, and reliable support around the world. From installation and commissioning to training, spare parts, and process optimization, our global team is committed to keeping your operation running at peak performance.



EXPERT
SUPPORT
FOR A STRONGER
TOMORROW.



- Headquarters & Test Facility
- Sales & Support Office
- Global Sales Network

A WORLD OF SUPPORT

With direct offices, manufacturing partners, and a global network of experts, Proc-X delivers local support, faster response times, and solutions tailored to your needs — wherever you are in the world.

INSTALLATION & COMMISSIONING



- On-site installation support
- Commissioning and start-up
- Process validation assistance
- Global field service engineers

TRAINING & KNOWLEDGE TRANSFER



- Operator and maintenance training
- Process development support
- On-site or virtual training
- Training academy resources

SPARE PARTS & AFTERMARKET SUPPORT



- Genuine OEM parts
- 5+ years parts availability
- Global logistics network
- Preventive maintenance kits

PROCESS OPTIMIZATION



- Application support
- Process troubleshooting
- Performance upgrades
- Product development support

CUSTOMER SUCCESS



- Dedicated account support
- Long-term partnerships
- Responsive service
- Your success is our success

PARTNERING
TODAY FOR A
**BRIGHTER
TOMORROW.**



TRUSTED
EXPERTISE



LOCAL
SUPPORT



GLOBAL
REACH



LONG-TERM
PARTNERSHIPS

PreciXion

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SOLID PROPELLANTS | ENERGETIC MATERIALS | ADVANCED FORMULATIONS

A MORE SUSTAINABLE TOMORROW

CLEANER PROCESSES. SMARTER SOLUTIONS.
GREATER POSSIBILITIES.

At Proc-X, we believe innovation and sustainability go hand in hand. Our process equipment and integrated systems are designed to help customers reduce environmental impact, improve resource efficiency, and create safer, cleaner operations — for a stronger, more sustainable tomorrow.

ADVANCED
PROCESS SOLUTIONS
FOR A CLEANER,
SAFER, STRONGER
WORLD.



REDUCED EMISSIONS

Cleaner processes for a healthier environment.



RESOURCE EFFICIENCY

Maximizing material and energy use.



SAFER OPERATIONS

Engineered for people, products and the planet.



SUSTAINABLE INNOVATION

Technology that delivers long-term value.



A BRIGHTER FUTURE

Helping industries achieve their sustainability goals.

SUSTAINABILITY IN ACTION

ENERGY-EFFICIENT DESIGN



Optimized systems that reduce energy consumption and operating costs.

WATER & RESOURCE CONSERVATION



CIP solutions and closed-loop processes to minimize waste and water usage.

CLEANER PROCESSES



Advanced containment, dust collection, and emission control solutions.

SUPPORTING A CIRCULAR ECONOMY



Enabling recycling, reprocessing, and the responsible use of materials.

ENGINEERING
SOLUTIONS FOR
A CLEANER, SAFER,
STRONGER TOMORROW.



CLEANER
INDUSTRIES



HEALTHIER
COMMUNITIES



GREATER
EFFICIENCY



A MORE
SUSTAINABLE WORLD

PreciXion

DP

AIS

FuXion

EmuXion

QuantumX