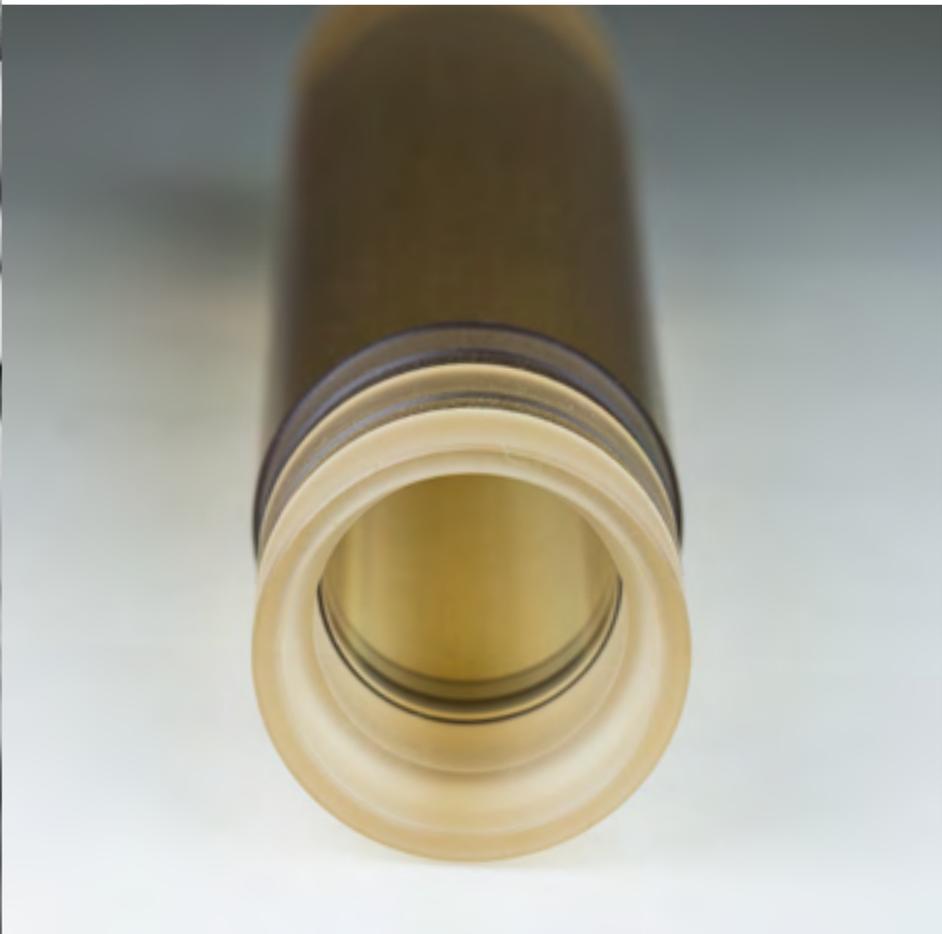




**Where ideas
take shape.**



INDUSTRIAL



A photograph of a large industrial factory interior, showing a high ceiling with a complex network of steel beams and pipes. The floor is highly reflective, mirroring the overhead lights. A semi-transparent green rectangular overlay covers the central portion of the image, containing the text. In the top left corner of the green overlay, there is a white downward-pointing triangle. At the bottom of the page, there is a solid orange horizontal bar.

Industrial A Trusted Plastics Advisor

For more than 50 years industrial companies have turned to Pexco for specialty solutions to complex challenges. Pexco is a custom plastics manufacturer serving OEM customers across a wide variety of industrial applications, including lighting, filtration, transportation, traffic safety, industrial equipment, consumer products, food and beverage and building and construction.

How we work with you

Pexco manufactures with a full range of thermoplastics, from high-performance engineering resins to general purpose, high-volume commodity materials. Our core competencies include:

- Extruded profiles and tubing (both rigid and flexible)
- Injection molding
- CNC machining and fabrication
- Assembly, packaging and other finishing services

Pexco consistently demonstrates its value by providing input on efficient part design, mold design, material and production processes — without compromising the functionality of your part or product. Working together, we can identify and nail down quality enhancing and cost saving manufacturing factors from the design phase through delivery. And we maintain tight, repeatable outcomes when extruding, molding, machining and assembling components and finished products.

A trusted partner

In addition to our extensive development and production experience, we offer broad capabilities to support your business, including financial stability and a nationwide production footprint. In short, Pexco has your plastic manufacturing needs covered, from small-run, quick-turn manufacturing to high-volume production with the capacity to grow with your product's launch and success. We want you to come to us with all your plastics challenges, and let us be your Trusted Plastics Advisor.



Plastic Profile Extrusion

Custom plastic extrusion is the core of what Pexco does. It is part of our original DNA. We offer comprehensive tooling and die methods to yield the quality you require. Pexco's operations utilize both vacuum-sized tooling and air rack cooling methods to control tolerances and meet customer specifications. Pexco also features cleanroom manufacturing capabilities as they are required by customer and industry applications.

A breadth of experience

Pexco manufactures and processes a full spectrum of plastic materials, which are detailed on pages 10–11. Diameters for open or closed profiles range from less than a tenth of an inch (2 mm) up to twelve inches (30 cm). Widths on some profiles can reach two full feet; lengths reach up to 30 feet. Dimensional capabilities include:

Single, co-, tri- and multi-extrusion

Dimensional minimum	2 mm / .105 in
Dimensional maximum	91 cm / 12 in
Widths	61 cm / 3 feet / 36 in
Lengths	6 m / 20 ft

Our profile extrusion team includes more than 80 engineers in multiple facilities. They provide product/part design and engineering, die development, tight tolerance processing and value-added fabrication.

Commitment to quality

Our well-trained production staff meets the highest quality standards in the industry. Our corporate culture and commitment to LEAN manufacturing principles keep the continuous improvements coming year-in and year-out. Our goal is to be the benchmark for excellence in profile extrusion.





Injection Molded Plastics

Pexco's Spectrum Plastic Group is a recognized leader in premium, high-quality injection molded thermoplastics for components and full-assembly products.

Our custom injection molding solutions support high-volume industrial products as well as lower volume medical applications and all that's in between. We have a wealth of experience with a wide range of materials, from PEEK to glass-filled nylons to polycarbonate and other high-performance resins.

Center of injection molding excellence

Our 104,000 square-foot injection molding facility is home to 160 highly skilled employees engaged in producing tight tolerance molded parts, mid-to-high volume components and subassemblies. Our full capabilities feature:

- More than 50 injection molding machines with press sizes from 12.5 to 600 ton
- Traditional injection molding in hydraulic and electronic options
- Horizontal, vertical or shuttle machines
- Single to multiple cavity molds
- Multi shot molding, insert-, over- and micro-molding

All machines are equipped to our IQMS ERP system for real-time monitoring of your job.

More than molding

Pexco's specialties also include prototyping and producing insert-molded, over-molded and micro-molded engineering plastic products for a variety of premium market applications. Moreover, with robust and repeatable validated processes and ISO registered quality systems, Pexco ably supports all documentation and traceability requirements. Let us put our solid injection molding track record to work for you.



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Value Added Services

Pexco is in tune with your total value proposition. That's why we go beyond extrusion and injection molding to offer additional core services like CNC machining, fabrication and assembly.



CNC Machining

When part volumes may not justify the costs of tooling, a machined solution using a high-performance engineering plastic may be the perfect application. We machine raw extrusions or molded slabs, as well as specialize in adding value via downstream, in-line and off-line fabrication and machining of extruded profiles or molded plastics. This process combination permits manufacture of both simple and complex geometries from a variety of materials, efficiently and cost effectively. Our materials expertise includes PEEK, PTFE, nylon, acetal, PPS, phenolics, HDPE, polycarbonate, PPSU, PSU, PMP, acrylic and stainless steel.



Fabrication

Pexco's fabrication services provide the finishing touches to a part and can save you time, cost and the hassle of taking these steps yourself. Fabrication processes include multi-axis machining, milling, turning, routing, sawing, drilling, counter-sinking, sand blasting, welding, cutting, water-jetting and punching. Specialty fabrication services include graphic digital printing, print and bind and sonic welding.



Assembly and packaging

Additionally, Pexco is able to provide assembly, sub-assembly and custom packaging services.

Our comprehensive suite of plastic manufacturing processes provides all the options and flexibility necessary to tackle any custom plastic job. Let us put the full range of our services to work for you today.



The Trusted Partner of Many Industries

In our 50 years, we've developed a depth of thermoplastics manufacturing experience covering the breadth of applications. Pexco's industrial division provides specialty complex plastic solutions for a wide variety of customers in many industries.



Lighting

Pexco manufactures and supplies lighting fixture components, including extruded and injection molded lenses, tube guards and wrap lenses.



Traffic Safety

The Davidson Traffic Control product line offers a unique family of channelizer posts, flexible delineator posts, work zone pavement markers, modular curb systems, guard rail and sign post reflectors, pedestrian safety signs, snow poles and type III barricades.



Filtration

Pexco's plastic components, tubular membranes, plastic casings and cores and MBBR media provide a range of solutions to many filter applications.



A commitment to industrial customers

Pexco is also a key partner to companies in industries such as transportation, defense, environmental sciences, marine, building and construction and energy, oil and gas. You'll even find us in consumer products, food and beverage, retail signage and display, and fence.

Our solutions are supported by a comprehensive, nationwide network of manufacturing facilities in all major industrial regions. Similarly, our network of engineering consultants and manufacturing specialists are strategically positioned to meet the needs of large customers as well as smaller, regional and local companies.



Materials

Pexco is in tune with your total value proposition. That's why we go beyond extrusion and injection molding to offer additional core services like CNC machining, fabrication and assembly.

Material/Resin	Method	Segment Application
ABCO (proprietary Pexco material)	Extrusion	Aerospace & Transportation
Acrylonitrile Butadiene Styrene (ABS)	Injection molding	Industrial, Aerospace & Lighting
Acrylic	Extrusion, Injection molding & Machined plastics	Retail P.O.P., Lighting, Industrial & Consumer
Butyrate	Extrusion	Retail P.O.P., Lighting & Industrial
PETG	Extrusion & Injection molding	Retail P.O.P., Medical & Industrial
EVA	Extrusion	Medical
fPVC	Extrusion	Medical
HDPE	Extrusion, Injection molding & Machined plastics	Medical, Industrial & Fence
Impact Acrylic	Extrusion	Lighting & Industrial
Impact Polystyrene	Extrusion	Lighting, Industrial & Retail P.O.P.
LDPE	Extrusion	Medical
Noryl	Extrusion	Industrial & Filtration
Nylon	Extrusion, Injection molding & Machined plastics	Medical & Industrial
PEEK	Injection molding & Machined plastics	Medical, Aerospace & Defense
Polyetherimide	Extrusion & Injection molding	Aerospace
Polyethersulfone	Extrusion & Injection molding	Aerospace & Industrial
Polycarbonate	Injection molding & Machined plastics	Industrial, Ligthing, Defense, Aerospace & Medical
Polypropylene	Extrusion & Injection molding	Medical
Polysulfone	Injection molding & Machined plastics	Filtration & Medical
PVC	Extrusion	Filtration, Industrial, Retail & Aerospace
Polyphenylsulfone	Injection molding & Machined plastics	Aerospace & Defense
Thermoplastic Elastomers	Extrusion	Industrial, Traffic safety & Medical
Thermoplastic Polyolefin	Extrusion	Industrial & Traffic safety
Thermoplastic Polyurethane	Extrusion	Industrial & Traffic safety
PLA	Extrusion & Injection molding	Medical, Industrial & Consumer
PLLA	Injection molding	Medical
PVDF	Injection molding	Aerospace, Defense & Medical
POM / Acetal	Machined plastics	Aerospace & Industrial
PBT	Extrusion & Injection molding	Industrial
PPS	Machined plastics	Industrial & Filtration
PPE	Extrusion & Injection molding	Industrial & Filtration
PTFE	Machined plastics	Aerospace
Phenolic	Machined plastics	Aerospace
PMP	Machined plastics	Aerospace, Medical & Industrial
Pebax	Extrusion & Injection molding	Medical & Industrial

Get to know the Pexco way.

Pexco is a North American leader in the design, manufacturing and delivery of custom plastics solutions. Our team of engineers and proven experience in several specialty segments including medical, industrial, commercial, building and infrastructure ensure you receive the highest quality products to satisfy your unique needs.

Find out how a partnership with Pexco is the best way to start shaping your future today.

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