



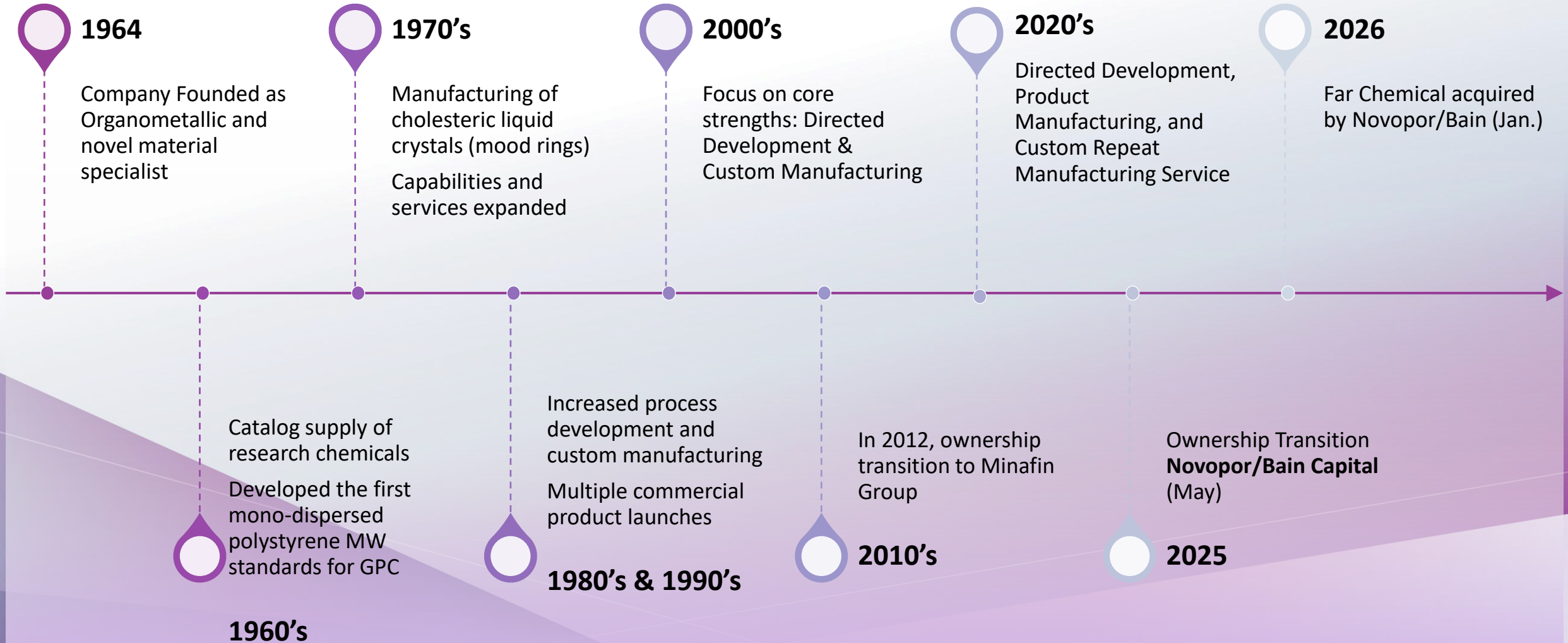
Pressure Chemical Co.

advanced science...delivered

SOCMA Show - March 4-6, 2026

Booth 204

Over 60 years of Fine & Specialty Chemical Manufacturing in Pittsburgh, Pennsylvania, USA



Our Locations

USA

1  **Pressure Chemical Co.**
advanced science...delivered

Pittsburgh, PA - USA

2  **FAR Chemical**
Novopor Advanced Science

Palm Bay, FL, - USA



Novopor
advanced science...delivered

Visakhapatnam

3 Unit 1, Atchutapuram

4 Unit 2, Parwada Mandal

Gujrat

5 Unit 3, Dahej, (upcoming)

Hyderabad

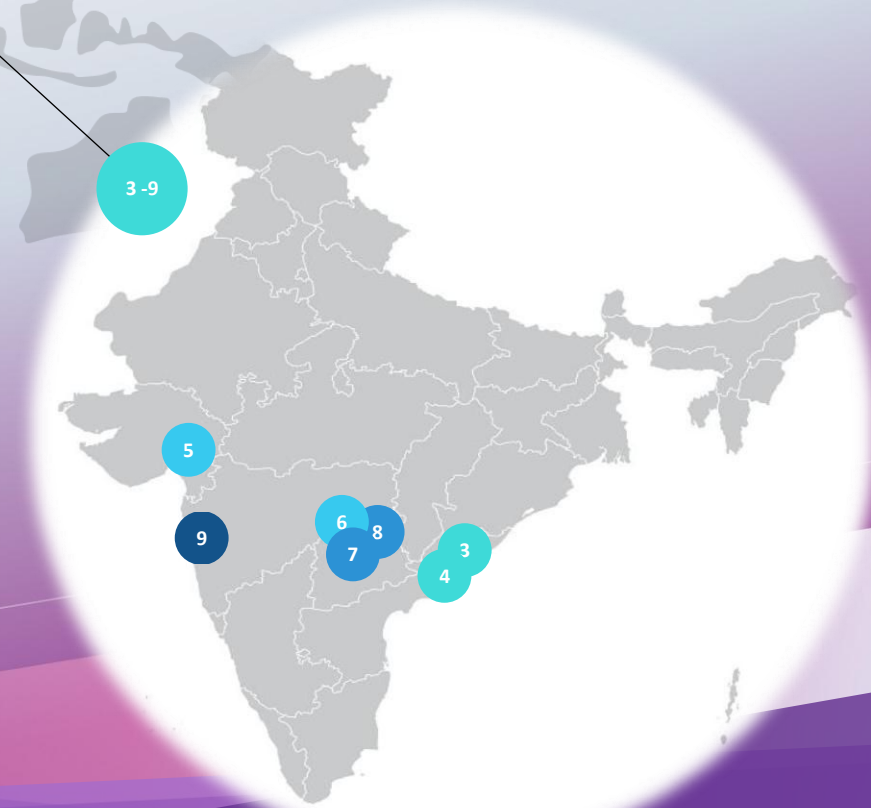
6 R&D – Innovation Centre

7 R&D – Bio-Technology Development

8 Corporate Office - Hyderabad – India

Mumbai

9 Office



Industries



Experience supporting many markets

Additives

Adhesives

Aerospace

Agrochemical

Bio/Renewables

Coatings

Cosmetics

Electronics

Excipients

Fragrance

Lubricants

Material Science

Paints & Coatings

Personal Care

Petrochemical

Pharmaceutical

Plastics

Polymers

Resins

Thermochromics

Wide array of experience

Aldol Condensation

Alkoxylation

Alkylation

Amination

Carbonylation

Condensation

Diels Alder

Condensation

Esterification

Hydroformylation

Hydrogenation

Polymerization

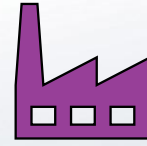
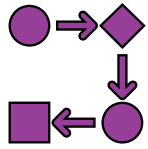
Quaternization

Reductive Amination

Reactions in Supercritical
Media (CO₂)

Business Segments

Adaptable and Responsive Facility Ready to Support Project and Product Needs



Process Development

Pilot and Scale Up

Contract & Toll

Resale & Made to Order

Directed Development

Custom Repeat Manufacturing

Product Portfolio

- Six decades of collaboration and know-how supporting clients
- Experienced staff
- Flexible facility
- Broad capabilities

- Process validation
- Initial commercial quantities
- Reduced time to market & capital expenses using our infrastructure and staff

- Service repeat manufacturing projects
- Practiced at maintaining operational proficiency
- Protected IP

- Manufactured and Resell Products
- Custom made to order materials developed throughout our history

Pressure Chemical Products

Product Sales

Platinum Group Metal Salts,
Compounds, & Catalysts

Ferrocenes

Ferrocene

N-butyl ferrocene

Polymer Standards

Polystyrene

Polyethylene Fractions

Polyethylene Glycol

Custom Made To Order Products

Liquid Crystals

NPA (Neopentyl Alcohol)

KH (Potassium Hydride) 30 wt.% in mineral oil

PTAC (Phenyltrimethylammonium Chloride)

SCT (Sodium Cyclohexyltaurate)

TREN (Tris(2-aminoethyl)amine -98%+

Synonyms: 2,2',2''-Nitrilotriethylamine, 2,2',2''-
Triaminotriethylamine, TAEA

Tyloxapol

Dirhenium Decacarbonyl

Tungsten Hexacarbonyl

Safety, Experience and Dependability

Everyone Contributes To A Safe Operation

- Health, Safety, and Environmental is a core focus for all products and projects



*Recipients of SOCMA's 2023, 2024, and 2025
Safety Recognition Program*



Participating in



**ChemOps
Training**

Engage higher performance.



Safety, Experience and Dependability

People Driven → Experience and Dependability

- Strong team that is ready to support a project's need
 - Experience Project Leaders – Chemistry & Engineering
 - Highly Trained Operators – 2 year training program – many 2 & 4 year degreed operators
 - Technical Sales Staff – Chemistry & Engineering
- Established record of over 60 years of protecting our customers confidential processes and intellectual property

Pilot, Scale Up, & Commercial Processing



Pilot Deck



Scale Up



Commercial

Glass lab

1L to 200L

Pilot Deck

50, 100, and 200 Gallon

Reactors

50, 100, 200, 500, 600 and 1000 Gallon

Glass lined, Stainless Steel, Nickel Clad

Solids handling, columns, filtration, & drying

Repeat volumes

pails, cylinders, drums, totes

Low Volumes (1-1,000kg) to drums, totes, and cylinders for 10's of metric tons or more

Distillation, Filtration, & Drying



Packed Columns

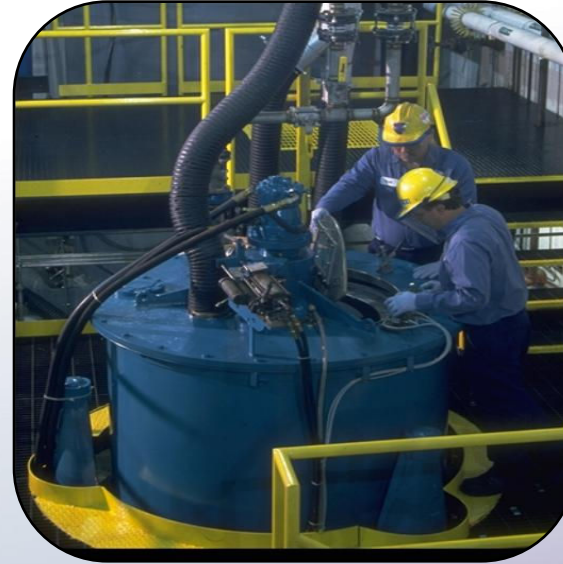
up to 25 HETP and capable of vacuum as low as 0.1 mmHg & Up to 250-300°C

200L, 50, 100, 200, 500, 600 and 1000 Gallon



Wiped Film Evaporator

- UIC-KD-30
 - 3.2ft², 0.5 mmHg
- POPE
 - 1.0ft², 0.5 mmHg



Filtration

- Basket centrifuges (3) up to 48 inch diameter
- Nutsche and Sparkler pressure filters
- Mott LSI Sintered Metal Filters



Drying

- Laboratory Vacuum and hot air ovens
- Double Cone Vacuum Dryers
- V-Cone
- Tray Dryer/Oven
 - Up to 200°C

High Pressure – Pilot, Scale Up, & Commercial Processing



Scales

300mL to 1 gallon

30 gallon

100 gallon

250 gallon



Pressures & Temperatures

1800 – 4500 psi

Up to $\sim 260^{\circ}\text{C}$ on hot oil,
reactors rated to $\sim 343^{\circ}\text{C}$



Support

High Pressure
Hydrogenations
Hydroformylations
Reductive Aminations
Super Critical Fluids
Reactive Processes
Polymerizations

Polymer Experience

Our skilled team can handle a wide range of polymerization techniques:

- Anionic/cationic polymerizations
- Block Co-polymers
- Condensation Polymerizations
- Emulsion Polymerizations
- Free radical polymerizations
- Polymerizations involving gas-phase monomers

Analytical

Wet Chemical Methods

- Titrimetric analysis performed using manual and auto-titrators
- Analytical Testing for:
- Loss on Drying
- Viscosity
- Water Content

Wide range of instrumental methods, equipment and expertise

- 4 GCs
- 3 HPLCs
- IR
- UV-VIS
- DSC
- NMR (off-site)
- GC/MS (off-site)



QMS Programs

- Internal Management System – addresses key items such as:
 - NCR/ Deviations, MOC, Supply Chain, Preventative Maintenance, Group Reviews for inventory approval, training, controlled documentation program, etc.
- Client specific programs to meet/exceed the requirements of:
 - Joint IPEC PQG GMP Guideline – Excipients
 - ISO 9001
 - AS9100
 - Specific components ICH Standards
- Support needs of pharmaceutical, aerospace, automotive, electronics, adhesives, biotech, cosmetics, personal care, and more

Why Pressure and the broader platform?

Proven Experience

60+ years of fine & specialty chemical manufacturing in Pittsburgh, PA
125+ years of combined manufacturing heritage across the Novopor platform
Experienced sales, technical, and operations teams driving programs from development through commercial

Speed & Capital Efficiency

Reduced time-to-market using existing infrastructure
Flexible facility and scalable assets
Favorable air permit enabling complex chemistries

Technical Depth

Broad reaction capabilities & unique high-pressure assets
Development to Commercial scale continuity
Expanded chemistry access through Novopor & FAR Chemical

Safety & Long-Term Partnership

Strong safety culture
Sustainability-minded operations
Results-oriented, collaborative approach
Volume expansion available through the Novopor global manufacturing platform

Reach Us At

www.presschem.com

+1-412-682-5882

Contact_Us@Presschem.com

Emily Thurston – Director of Sales



Digital Business Card

Website Contact Us Page



Thank You! Come Visit Us at:

Booth # 204 for Pressure Chemical & Novopor

Booth # 602 for FAR Chemical

Showcase – 11:40am – Arlington Room



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