



FAR Chemical

Palm Bay, Florida



FAR Chemical, Palm Bay Florida





FAR Chemical, Palm Bay Florida

- ✓ FAR Chemical, is a leading manufacturer of fine/specialty chemicals and custom intermediates
- ✓ Established U.S. Manufacturer & Distributor of reactive chemicals with chemical production facilities in Palm Bay, FL
- ✓ Our know-how and diverse, flexible asset base enable us to routinely practice a broad spectrum of classic organic chemical syntheses
- ✓ A highly experienced staff skilled at safely bringing new, challenging chemical to commercial scale for a wide range of customers
- ✓ We specialize in and excel at handling challenging, multi-step chemistry, reactive chemicals and toxic/pyrophoric materials (H-2)
- ✓ ***FAR Chemical provides comprehensive solutions for the chemistry that our customers cannot or do not want to handle***



Quality & Compliance

- ✓ Our **Quality Management System** has been designed to be compliant with ISO 9001:2015 and is regularly monitored & updated

- ✓ The **Quality Assurance Division** of CPS Fine Chemicals oversees our quality management system. This includes but is not limited to:
 - Document Control
 - Change Control
 - Training
 - Investigations
 - Corrective and Preventative Actions (CAPA)
 - Customer Complaints
 - Annual Product Reviews
 - Internal and External Audits
 - Batch Record Review
 - Continuous Improvement

- ✓ **Regulatory Affairs** team maintains our LVE/PMN submissions with the EPA, monitor amendments and international registrations (REACH). They also identify changes in legislation, regulations, guidance, and industry standards and/or regulatory compliance activities.





Environmental, Health & Safety

- ✓ Extensive employee training program
- ✓ Employee medical surveillance
- ✓ Detailed process hazard analyses (PHA) & routine reevaluation of current processes
- ✓ Compliant with PSM & EPA risk management programs (RMP)
- ✓ Large quantity hazardous waste generator
- ✓ Wastewater collection & offsite disposal
- ✓ Groundwater monitoring, spill control, and accident prevention programs
- ✓ Emission control systems & facility air permit
- ✓ Member of SOCMA ChemStewards program





FAR Chemical Palm Bay Plant

Key Highlights

- 26,000 ft² manufacturing facility on five acres of property in Palm Bay, FL
 - 18,000 ft² for manufacturing; 3,000 ft² for offices; 2,500 ft² for laboratories; 2,500 ft² for maintenance
- Research and development, scale-up, manufacturing, quality control, order fulfillment, warehousing and shipping services
- Workforce is deployed on a three shift, 24/5 production schedule

Building 2	Production Area
Building 3	Hazardous Materials Storage
Building 4	Portable Equipment Storage
Building 5	Dryer / Packaging Area
Building 6	Hazardous Waste / Raw Material Storage
Building 7	Cyanate Ester Manufacturing Area
Building 8	Packaging Materials Storage
Building 9	Shipping / Receiving
Building 9A	Breakroom / Locker Room
Building 10	Boiler Room
Building 11	Labs / Office
Building 12	Out of Use
Building 14	Main Production Area





Equipment & Capabilities

Key Process Equipment

- Glass-lined Steel Reactors 50-2000 gallon
- Stainless Steel Reactors 1000-1500 gallon
- Hastelloy Reactor System 10-500 gallon
- Distillation Columns on 30- & 1000-gallon units
- Wiped-film & Thin-film Evaporators



Representative Capabilities

- Gas, liquid, and solid material handling
- Routine cryogenic reactions to -100°C at the multi-ton scale
- Solids isolation and drying capabilities
- Short-path, wiped-film and thin-film evaporators with deep vacuum to purify heat-sensitive compounds
- Handling of alkali metals, alkyl lithium, alkyl aluminum, metal hydrides, and other pyrophoric agents
- Solid / liquid separations via alloy steel centrifuges, pressure Nutsches and sparkler filter
- Drying of solid products by double cone rotary dryers or vacuum tray dryers
- Custom packaging...5g bottles to multi ton quantities, packed in IBC's



Equipment & Capabilities (cont.)

Rosenmund Filter Dryer HU2984DD (Dedietrich)

- Rosenmund produced their Filter Dryer for the Pharmaceutical industry to isolate high value APIs
- The Filter Dryer at FAR Chemical was installed to fulfil orders for Pharma clients for high value raw materials
- Our unit is 0.34m² which would be capable of isolating up to 500Kg and isolating via glove-box
- It is uniquely suited to isolate highly toxic, air-sensitive or pyrophoric solids



Secondary Drying & Packaging Areas

- Solids isolation and drying can be undertaken in the main plant or in dedicated/segregated areas
- Drying of solid products by double cone rotary dryers or vacuum tray dryers is available
- Dedicated packaging areas & inventory control for specific products is also possible depending on the project



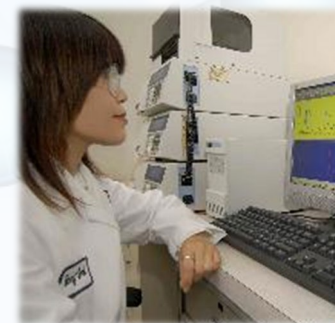
Analytical & Development Capabilities

Analytical Equipment

- Gas Chromatographs
- DSC Calorimetry
- HPLC Equipment
- GC-MS Equipment
- GPC
- NMR
- ICP-OES
- KF Titrators
- FT-IR Spectrophotometers
- UV-VIS Spectrophotometers
- Particle Size Analyzer
- Viscometers

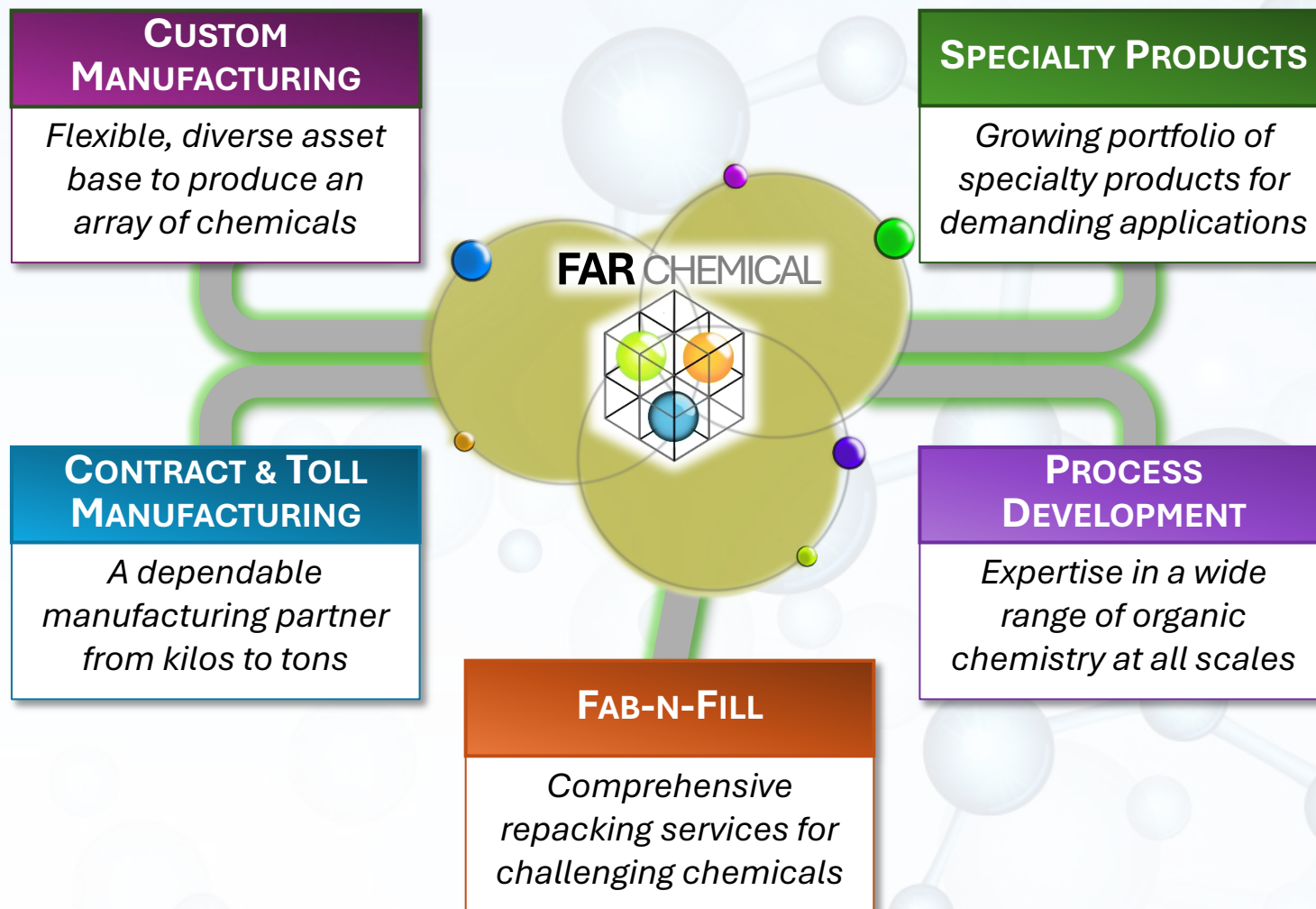
Development Equipment

- Laboratory Scale:
 - Glassware—250 ml – 5 L
 - Wiped Film Evaporator
- Kilo Scale Laboratory:
 - Glassware—5 L – 22 L
 - 20 L Rotovap
 - Pope Still
- Plant Scale:
 - 20-50 Gal. Glass Reactors
 - 10 Gal. – 500 Gal. Hastelloy C-22
 - 30 Gal. Glass Distillation Equipment
 - Pilot Vacuum Tray Dryers





Core Offerings





Technologies & Markets

CORE PRODUCTS & CHEMISTRIES

- Metal Acetylacetonates
- Metal-organics & Organometallics
- Organo-silanes & TMCS

- Iso-thiocyanates & cyanate esters
- Catalysts & custom precursors
- Specialty polymers & acetylenes

- Halogenated Materials
- HF/Fluorinated Compounds
- Vinyl Bromide & Derivatives
- Pharmaceutical reagents & RMs
- Cyanogen Bromide

- **Pyrophoric Capabilities (H-2)**
- Grignard's, Alkyl Lithium, Metal Hydrides, Sodium & Lithium Metal



PHARMA



STRUCTURAL
COMPOSITES



COATINGS &
ADHESIVES



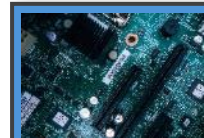
SPECIALTY
CHEMICALS



PLASTICS



FLAVOR &
FRAGRANCE



ELECTRONICS



ADVANCED
MATERIALS



Acetylacetonates ... AcAc's

FAR Chemical offers an extensive array of metal acetylacetonate compounds... *standard and custom products from A to Z!*



Al (III)

Cu (II)

In (III)

V (III)

Cr (III)

Cu (III)

Mn (III)

VO (II)

Co (II)

Fe (II)

Nd (III)

Zn (II)

Co (III)

Fe (III)

Ni (II)

Zr (IV)

Co (III)

Fe (III)

V (II)

Zr (IV)

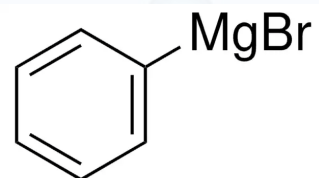
- FARMetl AAC Aluminum AcAc
- FARMetl CHR Chromium AcAc
- FARMetl CBAC Cobaltous (Co II) AcAc
- FARMetl COAC Cobaltic (Co III) AcAc
- FARMetl CUAC Copper AcAc
- FARMetl FAC Ferric (Fe III) AcAc
- FARMetl FRS Ferrous (Fe II) AcAc
- FARMetl GAD Gadolinium AcAc
- FARMetl IND Indium AcAc
- FARMetl LAAC Lanthanum AcAc
- FARMetl LIAC Lithium AcAc
- FARMetl MAC Manganous (Mn II) AcAc
- FARMetl MNAC Manganic (Mn III) AcAc
- FARMetl MOLY Molybdenum AcAc
- FARMetl NAC Nickel AcAc
- FARMetl PTS Potassium AcAc
- FARMetl SNAC Dibutyltin AcAc
- FARMetl SOD Sodium AcAc
- FARMetl TIAC Titanium AcAc
- FARMetl VAC Vanadium (V III) AcAc
- FARMetl VOAC Vanadyl AcAc
- FARMetl YTT Yttrium AcAc
- FARMetl ZNAC Zinc AcAc
- FARMetl ZRAC Zirconium AcAc



Grignard Reagents

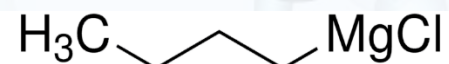
FAR Chemical offers bulk Grignard production and custom packaging to ensure safe delivery of high-quality product

Phenyl-magnesium bromide



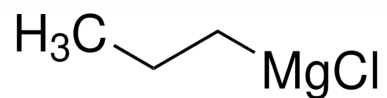
CAS# 100-58-3

n-Butyl-magnesium chloride



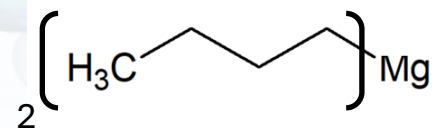
CAS# 693-04-9

N-Propyl-magnesium chloride



CAS# 2234-82-4

Di-butyl-magnesium (DBM)



CAS# 1191-47-5

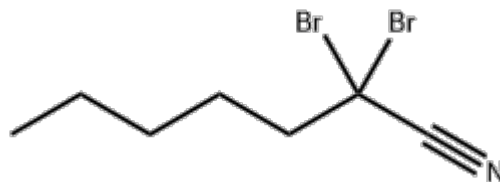
Solutions in tetrahydrofuran (THF) or di-butyl-ether (DBE)



Brominated Compounds

FAR Chemical has bromine available on site and can produce custom brominated compounds on large scale

2,2-Dibromoheptanitrile



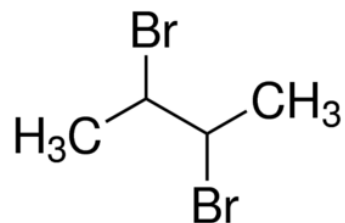
CAS# 60623-74-7

Cyanogen Bromide



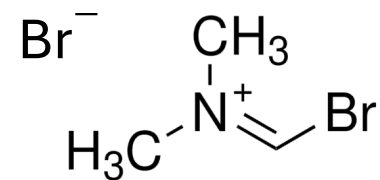
CAS# 506-68-3

2,3-Dibromobutane



CAS# 598-71-0

Bromo Vilsmeier



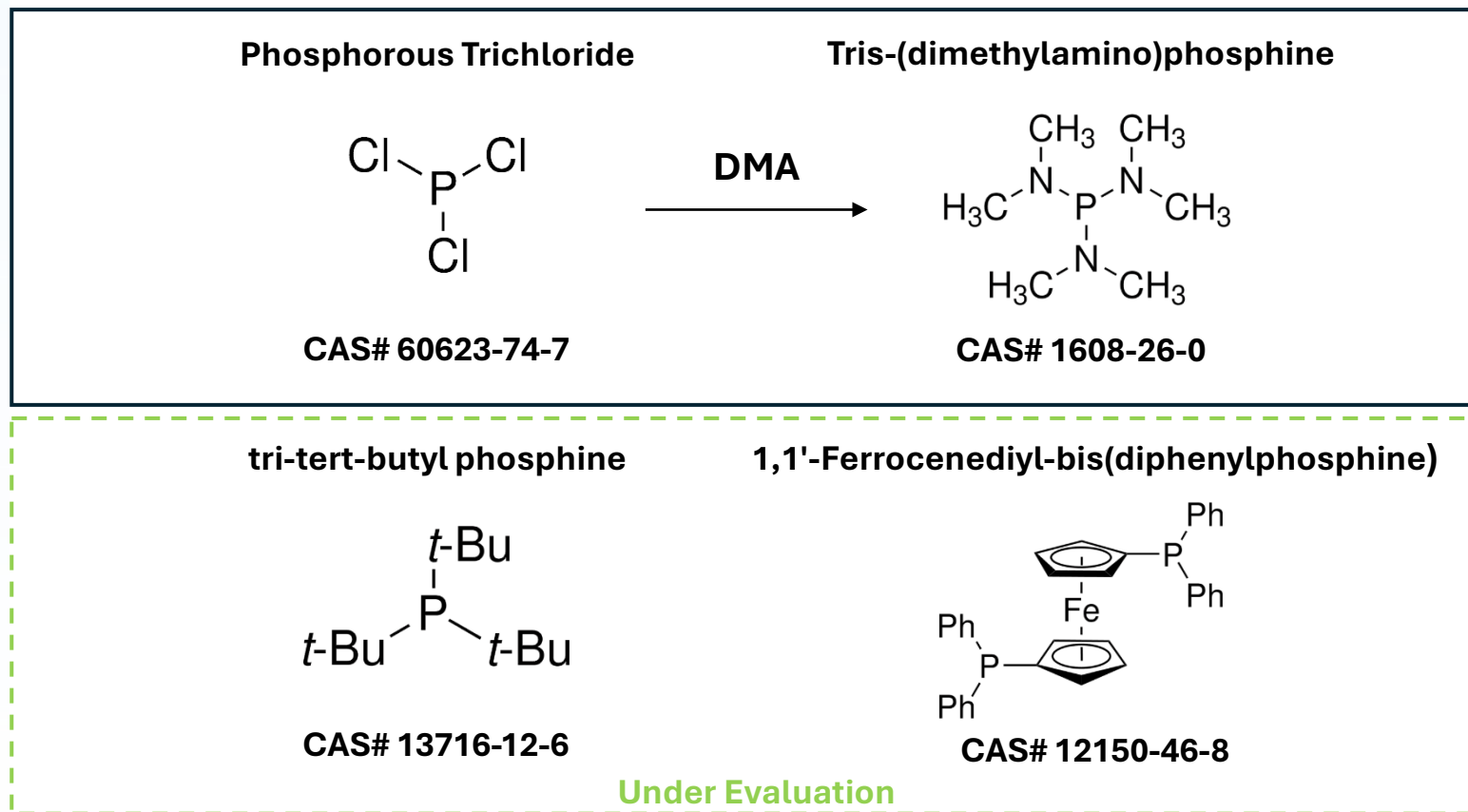
CAS# 24774-61-6

Provided as neat liquids or as solutions in organic solvents



Phosphine Compounds

FAR Chemical uses Phosphorous Trichloride and can produce custom Phosphines and Phosphates on commercial scale



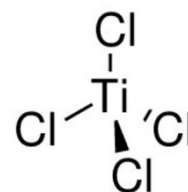
Phosphine Ligand Product Line Under Development



Titanium Compounds

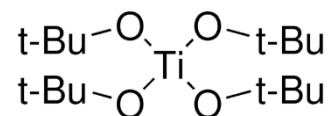
FAR Chemical sells Titanium Tetrachloride and can produce custom Titanium based compounds on commercial scale

Titanium Tetrachloride



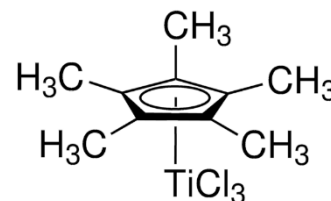
CAS# 7550-45-0

Titanium(IV) tert-butoxide



CAS# 3087-39-6

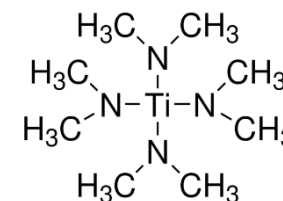
(Pentamethylcyclopentadienyl) titanium trichloride



CAS# 1270-98-0

Under Evaluation

Tetrakis(dimethylamido) titanium(IV)



CAS# 3275-24-9

Titanium Product Line Under Development



The Pillars of Our Business

SAFETY: Company culture committed to a safe, responsible operation

QUALITY: Our relentless focus on quality ensures you get the product you expect.

SERVICE: All of the FAR team are focused upon “delighting” the customer, and we work to go above-and-beyond your expectations.

SPEED: Our expertise, broad capabilities, and flexible permitting enable us to quickly work through processes and deliver commercial material.

FLEXIBILITY: We have decades of experience developing custom solutions via a broad array of fixed and portable equipment that can readily be interconnected.

Let FAR be the extension of your manufacturing, to avoid investment cost and accelerate your time to production

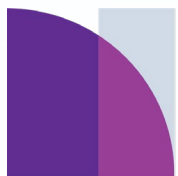


Novopor
advanced science...delivered

your growth....our business



FAR Chemical
Novopor Advanced Science



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

Novopor Press Release

Novopor Advanced Science expands US footprint with acquisition of FAR Chemical; Strengthens global specialty chemicals platform in Hyderabad, India & Palm Bay, Florida USA

January 22, 2026

Company Background & Accreditations



- Established in 1994 and managed by team of professionals with long and successful industry experiences working with global companies
- Large scale Manufacturing plants in 2 of the largest chemical zones in India – Vizag (East Coast) and Dahej (West Coast)
- New, state-of-art R&D lab having 52 fume hoods over 25000 sq ft. in Hyderabad, and scale-up & in Vizag
- **ISO 9001** (Quality management), **ISO 14001** (Environmental management), and **ISO 45001** (OH & S management) certified
- Rated **EcoVadis Gold** in Oct 2025 and part of TFS (together for sustainability) Initiative
- Responsible Care certification by Indian Chemical council

Capabilities



Advanced Chemistries

Grignard Reactions

- Among largest commercial scale manufacturer

Other reactions at Multi MT scale

- ✓ Chlorination Reactions
- ✓ Nitration Reactions
- ✓ Oxidation Reactions
- ✓ Catalytic Reactions

Polymer Chemistry

Experts in Scaling-up of

- ✓ Addition Polymerization
- ✓ Radical Polymerization
- ✓ Condensation Polymerization
- ✓ Catalytic Polymerization
- ✓ Metallocene Polymerization
- ✓ Polymerizations involving gas-phase monomers

Categories of Polymers

- ✓ Styrene Block Copolymers
- ✓ Polyetherimides (PEI)
- ✓ Polycarbonates



Capabilities

Flow Chemistry

Operating Range

- ✓ Pressure upto 50 barg
- ✓ Temperature upto 200 C

Type of reactions

- ✓ Liquid-Liquid reactions
- ✓ Liquid-Vapour reactions

Chemistries we have scaled-up

- | | |
|-----------------|----------------|
| ✓ Diazotization | ✓ Nitration |
| ✓ Halogenation | ✓ Oxidation |
| ✓ Hydrogenation | ✓ Condensation |
| ✓ Cyanation | ✓ Dehydration |



PinchFLO
Reactor



Plantrix
Reactor

Pressure Reaction

Operating Range

- ✓ Pressure upto 50 barg
- ✓ Temperature upto 250 C
- ✓ Corrosion-resistant alloys for highly reactive or corrosive chemistries

Typical Chemistries

- ❖ Hydrogenation
- ❖ Carbonylation
- ❖ Carboxylation
- ❖ High pressure polymerization

Safety Features

- Enclosed by blast resistance walls
- SIL-3 certified automation and control
- Independent fail-safe Emergency Shutdown System (ESD)

Infrastructure – Innovation Centre (Hyderabad)



- State-of-the-art R&D Centre
- More than 64 Nos. fume hoods
- Talented Team (50 Nos. Scientists)
- Capable for advanced, corrosive & high-pressure chemistries
- Cylindrical reactors for process demonstration and scale-up study



Infrastructure – Pilot Plant - India

- For Process Scale-up, Optimization & New Product Development

Designed for

- ✓ Batch, Semi Continuous, CSTR, Flow Chemistries
- ✓ Wide Pressure Range (1 TorrA to 50 barg) & High Temp (upto 250 C)
- ✓ *Safety critical reactions:* Hydrogenation, Ethylene, Propylene, Grignard, Bromination, Fluorination, Chlorination, Cyanation, Polymerization

Infrastructure

- ✓ DCS Controlled (with SIL-3 & ESD for critical operations)
- ✓ Reactor Capacity: 100 Lts to 5000 Lts
- ✓ MOC: SS316L / MSGL / Halar Lined / Hast-C
- ✓ Solid handling: ANFD, Centrifuge, VTD, Paddle Dryer
- ✓ WFE, Distillation columns, Solvent Recovery setup



Infrastructure – Pilot Plant - India



Equipment	MOC	Capacity(Lit)	Total
Reactors	SS-316	100 - 1000	4
	SS-904L	1000	1
	MSGSL	1000	1
	Hastelloy C-22	250 - 500	2
High pressure reactors	SS-316& HastC-22	250 -1000	2
Flow reactors	Si-Carbide (Plate)	198 LPH	2
	SS-316 (Pinch Tube)	19	1
Distillation Unit	SS-316	600mm x 1200mm	1
ANFD	Hastelloy C-22	1000	1
RVPD	SS-316	1000	1
Peeler centrifuge	SS-316	24"	1
Scrubber system	HDPE	600mm x 4000mm	4



Pressure Reactor



Flow Reactors- PLANTRIX MR-500

Infrastructure – Analytical Facilities

• *Raw material screening / qualification → In process → Finished product*

- ❑ **GPC with UV**
- ❑ HPLC UV and DAD
- ❑ High Temp GPC
- ❑ GC –ALS-FID
- ❑ GC –ALS and Headspace sampler with FID and TCD
- ❑ FT-IR
- ❑ UV-Vis Spectrophotometer
- ❑ X-Rite Spectrophotometer
- ❑ ICP-OES
- ❑ AAS
- ❑ Viscometer, Coulometer
- ❑ Nephelometer
- ❑ pH, KF, Auto titrator



Summary: Why Novopor?



- ✓ CDMO Partner from Development to Commercialization-as-service
- ✓ Execution Excellence - mid-sized company with direct leadership oversight
- ✓ US Presence - State-of-the-art R&D & Pilot facility of quick turnaround & efficient coordination
- ✓ Technical know-how to support complex process development.
- ✓ Dedicated investments for key partners with complete data transparency
- ✓ Successful track record of fast path-to-commercialization, including building Pilot Plants and completing pilot trials in record time

Thank You! Come Visit Us at:

Booth # 602 for FAR Chemical &

Booth # 204 for Pressure Chemical