

## Company Profile

REALIZING IDEAS IN CHEMISTRY



Fine Chemicals  
Pharma Intermediates  
Custom Synthesis  
Contract Manufacturing

Scan  
for our  
Website





**Jay FineChem Pvt Ltd** (previously Jay Chemicals) is a manufacturer of **API Intermediates** and **Fine Chemicals** catering to various industries like pharmaceuticals, diagnostics, electronics, food & cosmetics, polymers and specialty chemicals. **Punagri Organics and Lifesciences Pvt Ltd** is a sister concern to Jay FineChem Pvt Ltd and will soon be manufacturing Pharma Intermediates exclusively in its upcoming greenfield project in Vapi.

Environmental Clearance & Consent to Establish for Punagri Organics' new site are already in place along with other applicable permits. Here, we will be manufacturing Pharma Intermediates and APIs with focus on GMP/FDA accreditations from various countries, while also offering **Custom Synthesis, Contract Development & Manufacturing (CDMO)** and **Contract Research (CRO)**.

Our team at Jay FineChem and Punagri Organics is dedicated to continuous improvement and development, not only through R&D, but also with our commitment to enhancing customer satisfaction by

delivering high Quality Intermediates and Specialty Chemicals. Apart from having a strong Research and Development department with well-equipped laboratory and experienced chemists, we have been regularly collaborating with prestigious research and development academic institutions like IIT, ICT, NCL, NEERI, etc.

Our continuous investment in research and development generates a steady flow of Fine Chemicals and Pharma Intermediates enabling timely introduction of new products in the market.

Apart from our two sites in Vapi, we have 100,000 m<sup>2</sup> land in Dahej, 380 kms north of Mumbai, India. After commencement of operations at Punagri Organics' Vapi site, we shall expand our API, advanced Intermediates and Fine Chemicals manufacturing activities here.



## Company at a Glance

### Jay FineChem Plant

 **7000 m<sup>2</sup>**  
area at GIDC Vapi

 **3 Commercial  
Production Lines**

One line exclusively for Pharma

### Punagri Organics Plant

 **10,556 m<sup>2</sup>**  
area at GIDC Vapi

 **6 Commercial  
Production Lines**

for Pharma Intermediates & APIs



**300+ Employees**

Of total employee strength, 15% are R&D & QA/QC Scientists and Engineers



**30+ Years**

of Experience backed by strong technical team from Premier Institutes



**180+ Products**

Of the products developed, many were without CAS number

## Timeline

**1989**

First Factory Setup in Vapi under Jay FineChem

**2000**

Contract Research, Custom Synthesis & Contract Manufacturing started

**2015**

90% Indian Market captured for Key Pharma products

**1996**

Punagri Organics Established as an export arm of Jay FineChem

**2010**

Jay starts manufacturing Pharma Intermediates

**2024**

Planned commissioning of New Pharma Setup at Punagri

## Our Approach

R&D is at the core of all our activities! When undertaking a new product for development, we take a deep dive into the entire product life cycle – Analytical Method Development, Wastewater Solutions, Material Handling Concerns, Quality Control protocols are all considered at every stage of development.

In order to support our R&D and scale up, and to enable low-volume manufacturing, Jay has a Kilo Lab and Pilot Plant. Both facilities include infrastructure and equipment for studying and processing effluents.

Expanding on our above approach, we have planned for a cGLP Lab and cGMP Pilot plant at our new facility at Punagri. This will enable us to effectively scale up and at the same time manufacture small quantities of molecules which have a GMP requirement. Additionally, our Environmental Clearance allows us to manufacture up to 7 MT/month of any product for R&D and Pilot purposes, thereby aiding our R&D endeavors further.

We are supported by a strong infrastructure - a full fledged QA/QC lab, underground Class A Solvent Storage, independent building for Hydrogenation, DCS system (at our new site), comprehensive waste treatment plan and appropriate safety measures.

With our Facilities and our committed Team, we add value to our Customers and long term strategic partners who have faith in us for their Contract Manufacturing requirements.

## R&D, Analytical and Quality Control Facility

Our in-house Analytical lab includes, but is not limited to, the following equipment:

- Gas Chromatographs with autosampler & head space
- Quaternary Gradient HPLC systems with autosampler
- Binary HPLC System with Autosampler PDA & RI Detector and Fraction Collector
- UV/VS Spectrometer
- Flash Chromatograph
- Ion Chromatograph
- FT-IR
- UHPLC
- Lovibond Spectrophotometer

We have access to following advance analytical instruments:

- HPTLC
- GC-MS
- AAS
- Particle Size Analyzer
- ICP-MS
- BET
- TGDTA
- LC-MS
- NMR
- XRD
- DSC
- TGA
- SEM





**Bulk Pharma Intermediate Manufacturing**



**API Manufacturing**



**Fine Chemicals**



**CDMO & CRO**

## Process Capabilities

- Acetalisation
- Acylation
- Alkoxylation
- Amidation
- Ammonolysis
- Benzoylation
- Bromination
- Catalytic Hydrogenation
- Chlorination
- Chlorosulphonation
- Condensation
- Cyclocondensation
- Diazotisation & Hydrolysis
- Friedel-Crafts
- Grignard
- Hydrogenolysis
- Hydroxymethylation
- Isomerisation
- Mannich Reaction
- Nitration
- n-Methylation
- Nitrosation
- O-alkylation
- Reduction (Bechamp Reduction)
- Sulphonation



# Manufacturing Facility

## Jay FineChem Plant

### Reactors:

- MSGL 500 L to 8 KL capacity  
Total Reactor Volume: 68 KL
- SS316 500 L to 12 KL capacity  
Total Reactor Volume: 163 KL
- PP/FRP 500 L to 12 KL capacity  
Total Reactor Volume: 48.5 KL
- MS 3.2 KL capacity  
Total Reactor Volume: 9.6 KL
- Reaction Temp. 5°C to 250°C
- Reaction Pressure Up to 10 kg/cm<sup>2</sup>



Kilo Lab



Pilot Plant



Commercial Plant



## Punagri Organics Plant

### Reactors:

- MSGL 100 L to 10KL capacity  
Total Reactor Volume: 207 KL
- SS316 100 L to 10 KL capacity  
Total Reactor Volume: 133 KL
- Hastelloy 250 L capacity  
Total Reactor Volume: 250 L
- Hydrogenators 250 L to 5 KL  
Total Reactor Volume: 10.25 KL
- Reaction Temp. -25°C to 250°C
- Reaction Pressure Up to 50 kg/cm<sup>2</sup>

### Clean Room Reactors:

- MSGL 250 L to 4 KL capacity  
Total Reactor Volume: 4.25 KL
- SS316 250 L to 4 KL capacity  
Total Reactor Volume: 4.25 KL
- Reaction Temp. -25°C to 200°C
- Reaction Pressure Up to 10 kg/cm<sup>2</sup>



cGMP Pilot Plant



cGLP Lab



Clean Room



Flow Chemistry Lab



Catalytic Hydrogenation



## Our Forte

The Team at Jay FineChem and Punagri Organics has a history of successful customer relations and partnerships. In one of our longest partnerships (since 2003), we continue to be the sole supplier to a leading MNC for their Specialty Product, without having a single quality issue or delayed supply. We carry the same ethos for every Customer, where we want to be an integral part of our Customer's value addition!

We are committed to having safe and streamlined operations to protect the life and health of our employees and surrounding community, to protect our assets, to ensure business continuity and to engender public trust. All intellectual property is also handled with utmost care, with suitable measures in place to ensure confidentiality.

We are in the process of evolving and growing, as an organization and also as a member of the larger community. To achieve this, we regularly conduct health check up & blood donation camps, vocational education programmes, execute urban infrastructural solutions with solar energy, water harvesting & sanitary management for community welfare. We continue to extend our efforts and find better ways to generate an effective positive impact on our in-house team, our community and the environment.

## Sustainability

- **Comprehensive Waste Handling**
- **Waste Solutions at Product Development Stage**
- **Health & Safety**
- **Social Initiatives**
- **Continuous Innovation**



We are supplying Jay's products to our partners across the globe since 30+ Years



### Some of Our Esteemed Clients


**Yogesh Dama** | +91 98196 33090 | [yogesh.dama@jaychemicals.co.in](mailto:yogesh.dama@jaychemicals.co.in)

**Shruti Dama** | +91 98191 10837 | [shruti.dama@jaychemicals.co.in](mailto:shruti.dama@jaychemicals.co.in)



**JAY FINECHEM**  
PRIVATE LIMITED

Previously JAY CHEMICALS

**Works :** Plot No. 137-138, Off Silvassa Road,  
Phase-II, GIDC, Vapi - 396195, Gujarat, India

**Email :** [info@jaychemicals.co.in](mailto:info@jaychemicals.co.in)



**PUNAGRI**  
ORGANICS & LIFESCIENCES PVT LTD

**Works :** Plot No. 180, Near Sardar Chowk,  
Phase-II, GIDC, Vapi - 396195, Gujarat, India

**Email :** [info@punagri.com](mailto:info@punagri.com)

**Head Office :** C-303 Neelkanth Business Park, Nathani Road, Vidhyavihar (W), Mumbai – 400 086, India

**Website :** [www.jaychemicals.co.in](http://www.jaychemicals.co.in)