

Creating 'Just the Right Chemistry'

15
Synthetic Laboratories

One
Simulation Lab

46
Graduates

One
Process Safety Lab

288
Post Graduates

One
High Pressure Lab

One
Innovation Lab

One
Kilo Lab
(Scale-up and Pilot)

26
PhDs

Six
Process Improvement
Labs

One
Solid State
Chemistry Lab

Four
Instrumentation Labs

One
Effluent Treatability Lab

We partner with global innovators and custom-generic companies to solve complex chemistry challenges across pharmaceuticals, animal health, biotech, crop protection, and specialty chemicals. Our Research & Technology Centre develops sustainable, efficient, and scalable processes for NCEs, generics, and lifecycle extensions. With deep scientific expertise and a focus on quality, IP protection, and reliable delivery, we offer integrated solutions aligned with evolving regulatory and environmental standards. Our commitment to green chemistry drives long-term value for both the business and the planet.

Differentiated Offerings

Route Scouting	Process Development	Analytical Method Development	Technology Development
Small Scale Synthesis	Scale-up Support	Process Engineering	Life Cycle Extension

Differentiated Capabilities

Flow Chemistry

- State-of-the-art setup with VaporTech and CSTR
- Handles bi-phasic, liquid-liquid, gas-liquid, and solid-liquid reactions
- Reduces effluent and estimates key unit operations for continuous processing

Solid State Lab

- Develops physical attributes for commercial readiness
- Expertise in polymorph screening, particle size control, crystallisation development
- Equipped with pXRD, Malvern Mastersizer, DSC, TGA, and hot-stage microscopy

Bio-catalysts

- Lab-to-plant expertise in enzyme-based synthesis
- Demonstrated enzymatic processes for commercial APIs (e.g., nitrilase, lipase, transaminase)
- Capabilities for enzyme recovery and reuse

Kilo Lab

- Scalable facility for kilo and pilot-scale production
- Enables feasibility and scale-up studies with geometrically matched reactors
- Supports cryogenic reactions (up to -80°C), fractionation at 2–3 Torr, and acidic/gaseous vapour scrubbing

Reaction Calorimetry

- Mettler Toledo RC1mx enables safe process development and scale-up
- Measures critical thermal parameters—heat of reaction, MTSR, accumulation—to reduce risk
- Minimises development time and outsourcing costs; widely used in pharma and chemical industries

Zero Liquid Discharge (ZLD) Facility

- No liquid effluent discharged from our Research and Technology site situated in Pune
- Enables internal water recycling, reduces freshwater usage, enhances sustainability and operational compliance
- Our manufacturing sites at Bangalore are also zero liquid discharge

New Canteen Facility – Sangam, Pune R&T

- Thoughtfully designed, modern dining space promoting employee well-being
- Features natural lighting, hygienic food setup, and comfortable seating
- Built using recyclable materials with minimal electricity use, reinforcing sustainability goals