



## MAJOR CLIENTS

- NFI, Surat
- Searle India Ltd, Mumbai
- HOCL, Mumbai
- SRF Limited, New Delhi

## INFRASTRUCTURE

- Gas-solid Reactor Systems
- Stirred Tank Reactors
- Process Control & Instrumentation Systems
- Glass Distillation Systems
- Ultra Low Temperature Cryosystems
- Gas Chromatography

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## VISION AND GOAL

- Center for excellence in Fluorine Chemistry.
- Development of technology for various leading fluoroorganic molecules.
- Synthesis and bio-evaluation of novel fluoroorganic molecules to identify a lead molecule as a drug or a pesticide.

## CORE COMPETENCIES AND ACTIVITIES

- Hydrofluorination reactions
- Halogen exchange reactions
- Hydrodechlorination reactions
- Denitrochlorination
- Reagent based synthesis
- Synthon based synthesis



HFC 134a Pilot Plant

## CURRENT RESEARCH AREAS

- Hydro fluorocarbons as CFC substitutes
- Halon substitutes
- Organic intermediates
- Fluoro aromatics

## TECHNOLOGIES AVAILABLE

- HFC-134a
- 3-Chloro-4-fluoro aniline
- 4-Fluoro aniline
- 3,4-Dichloro fluoro benzene
- 2,4-Dichloro-5-fluoro acetophenone
- 1,1,1-Trichloro trifluoro ethane
- 3,5-Dinitro-4-chloro benzotrifluoride
- Trifluoroacetic acid
- Trifluoroethanol
- 2-Fluoroaniline
- 4-Fluorophenol
- 3,4,5-Trichloro benzotrifluoride



Single tube reactor facility