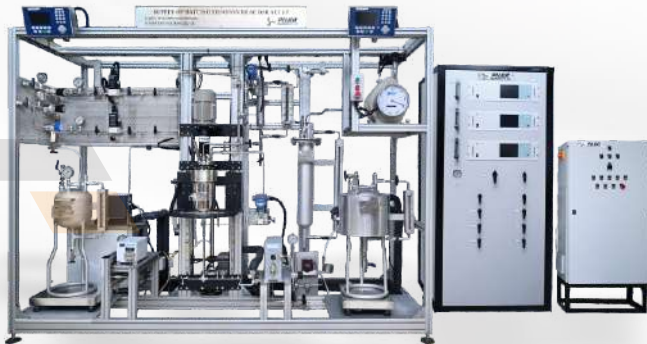


"let's Integrate  
YOUR TECHNOLOGICAL  
Innovations with  
OUR EXPERIENCE.  
"And Expertise  
ON CONCEPTUALIZATION  
Through Execution



The Best Pilot Plants | Reactor Systems |  
Demo Plants | Lab Scale Systems |  
Skid Mounted Systems  
Designed | Engineered | Manufactured | Integrated  
Under One Roof



Pilon Engineering: Scalable Solutions, Seamless Integration. At Pilon Engineering, we transform your ideas into reality delivering Process Solutions, Pilot plants and fully scalable modular systems designed to meet your technical needs and Budget.

With a multi disciplinary team of Process, Mechanical, Electrical Instrumentation experts, we are driven by precision engineering, continuous improvement, and a deep understanding of the complexities in process development.

We know the challenges of turning research into reliable production. Whether its batch to continuous conversion or optimizing existing processes, our astute designs, no compromise quality, and exceptional project management ensure your success.



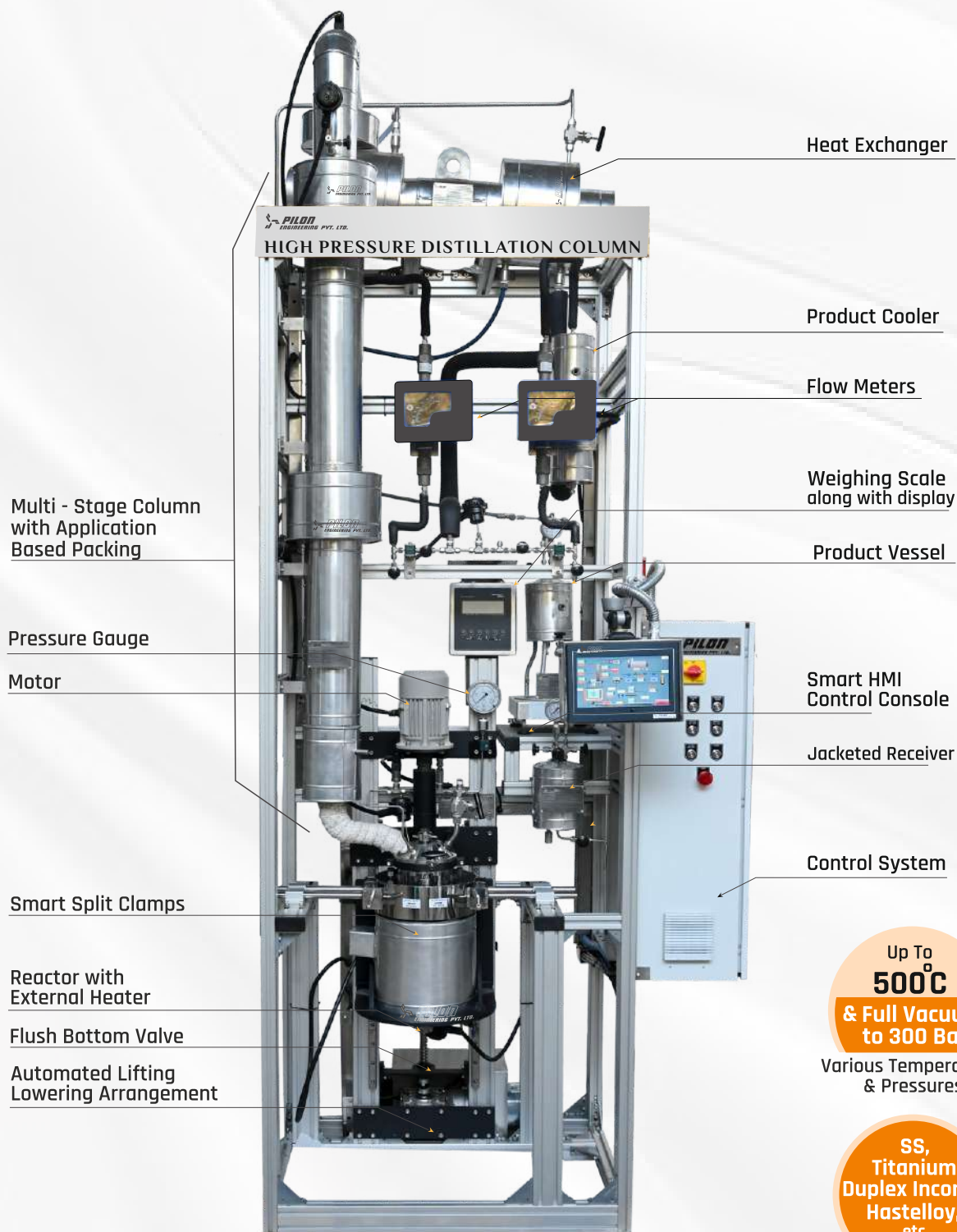
# ➤ OUR PRODUCTS

We Have Demonstrated Experience To Deliver

- Pilot Plants | Lab Scale | Demo Systems | Skid Mounted Systems
- Scalable Pilot to Production Systems
- High Pressure | Temperature CSTR & Systems
- Multiple High-throughput | Glass Reactors | Autoclaves
- Fluidised | Fixed | Packed | Trickle Bed Reactors & Systems
- Flow Reactors | Falling Film Reactors
- Polymerization | De-polymerization | Oligomerization Pilot Plant
- Industrial Online Analytical System
- Batch to Continuous Process Reactors Systems
- Distillation Systems
- Membrane Separation Systems
- Hydrocracking | FCC Pilot Plants
- Hydrothermal Liquefaction Systems (HTL)
- Liquid | Gas Dosing Manifold Systems
- High Pressure Process Equipment
- PLC SCADA System Integration
- Electrolyzer | Fuel Cell | Fuel Cell Test Station
- Continuous Emission Monitoring System
- Proof Of Concept | Lab Trials | Demo Pilot Plant
- Advanced Reaction Systems | Hydrogenation | Nitration | Alkylation etc.







Up To  
**500°C**  
& Full Vacuum  
to 300 Bar

Various Temperatures  
& Pressures

SS,  
Titanium,  
Duplex Inconel,  
Hastelloy,  
etc.

Various MOC'S



# Reactor Systems

Pilon Engineering Pvt Ltd offers a broad spectrum of stirred and non-stirred pressure vessels | Reactors in convenient styles, sizes and pressure | temperature ranges for many laboratory uses. Apart from standard sizes available in the market, Pilon believes customization of product is very important to suit clients exact requirements in order to achieve desired products with highest quality and standards.

PARAMETERS	DESCRIPTION
Total volume	Ranging from 25mL to 100 Ltrs   Client specific volumes can be Customized
Vessel Material of construction	Pilon works on any MOC: SS304/316 L   Hastelloy   Inconel   Incolloy   Duplex   Titanium   Glass   PTFE lined   Glass-Lined Reactor (GLR)   Carbon Steel etc.
Head Mounting Style	Removable type Head Design   Split clamp arrangement with Compression bolts   Outer protective ring   Automatic head lifting mechanism   Customization as per requirements
Design Pressure	0-300 barg   Customized ranges can be designed as per requirement
Design Temperature	0-500 Deg C   Customized ranges can be designed as per requirement
Heating System	External electrical band heaters   Metallic jackets with Flameproof Group all A/B Junction Box & Ceramic wool insulation & SS 304 Cladding
Internal Fittings	Internal Cooling Coil   Thermowells   Dip Tube etc..
Fittings On vessel	Pressure gauge   Safety rupture Disc   Vent Valve   Gas inlet valve & sampling Valve with Dip tube   Pressure relief valve   Flush Bottom valve   Pressure Transmitter etc..
Agitator	6 Blade Disc Turbine   4 Blade PBT   Customization as per demand
Agitator Sealing	Zero Leakage magnetic Drive Coupling   Customized Seals
Gasket	PTFE   Spiral Wound metallic Gasket   Kamm Profile Metallic Gasket   Customization
Safety	Protective casings/ Sheets   Safety Automation interlocks   ergonomically designed   hassle free operations & maintenance
Documentation	Quality Dossiers   NDT Reports   Internal Test Reports etc.



PILON'S POLYMERIZATION PILOT PLANT

## Our Clients



**PILON**  
ENGINEERING PVT. LTD.

### FACTORY:

Plot No: 513/2/1, J-Block, MIDC Bhosari,  
Pune-411027, MH, India

### QUALITY AUDITS

- Internal Audits
- ISO 9001: 2015 regular audits
- Standard Operating Procedures & Protocols

### Worldwide Presence:

USA | Dubai | Abu Dhabi | UK | Indonesia  
Italy | Canada | Ksa

### Pan India Offices:

Pune | Mumbai | Bangalore | Hydrabad  
Guwahati | Kolkata | Delhi | Orissa

Certificate  
Of Registration



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