

# Engineering Steam

Powering Performance



## Industrial Autoclave System

Innovation | Excellence | Integrity | Safety



# Industrial Autoclave System

Custom-engineered autoclave solutions for demanding batch processes where controlled steam, pressure and temperature are essential.

**Controlled Heat. Reliable Pressure. Repeatable processing.**

## AUTOMATION + SAFETY

### Built for controlled, repeatable cycles

- Door-closed process interlock
- Steam admission and pressure control
- Alarm and status indication
- Configurable cycle sequencing
- Safe depressurization logic
- Integration with plant steam utilities

## ENGINEERED AROUND YOUR PROCESS

A robust pressure-processing platform configured to your product, batch size, utility conditions and cycle requirements.



### Robust vessel construction

Engineered for demanding industrial pressure and temperature cycles.



### Hydraulic door handling

Assisted door operation supports controlled loading, closing and locking.



### Process instrumentation

Pressure and temperature indication supports clear cycle visibility.



**HORIZONTAL BATCH AUTOCLAVE**

Custom configuration shown

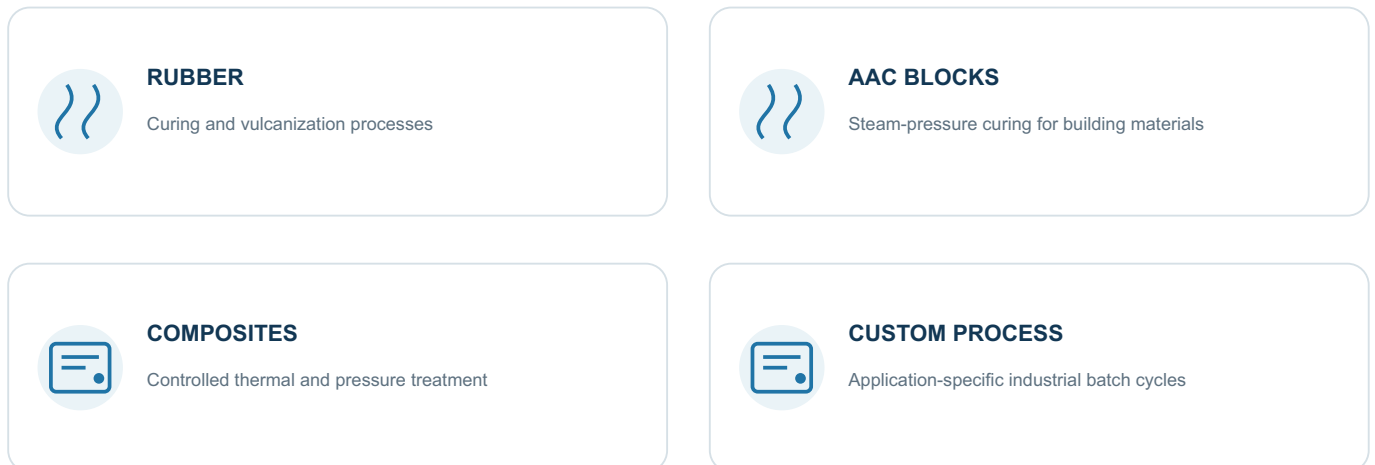
# FROM LOADING TO A CONTROLLED CYCLE

Custom-engineered autoclave solutions for demanding batch processes where controlled steam, pressure and temperature are essential.

## PROCESS + APPLICATIONS



## TYPICAL APPLICATIONS



### PROCESS VALUE

- Repeatable batches
- Controlled heat distribution
- Reduced manual handling
- Steam-system integration

# BUILT BY STEAM EXPERTS

## WHY VOLFRAM SYSTEM

Volfram combines process understanding, steam engineering, automation and system integration to deliver application-focused autoclave solutions.



## ONE ENGINEERING PARTNER

### PROCESS-LED DESIGN

System configuration aligned with product, batch and cycle needs.

### STEAM INTEGRATION

Engineered connection with generation, distribution and controls.

### AUTOMATION

Cycle control, monitoring, alarms and interlock philosophy.

### LIFECYCLE SUPPORT

Commissioning guidance, operator training and service support.

## START WITH YOUR PROCESS REQUIREMENTS

**Let us engineer the right autoclave solution.**

Share following data with us :

product | batch size | temperature | pressure | cycle time | utilities

[www.volfram.in](http://www.volfram.in) | [seam@volfram.in](mailto:seam@volfram.in)



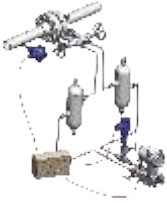
# SMART SOLUTIONS. MEASURABLE SAVINGS.



Our proven and digital solutions work together to help you reduce energy losses and achieve operational excellence.

**SMARTER MONITORING. BETTER CONTROL.  
HIGHER SAVINGS. SUSTAINABLE PERFORMANCE.**

Delivering Measurable Results

|   |                                                                                                                                                 |                                                                                     |                                            |                                                                                                                                                                                                                                                                                                                                    |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>STEAM FLOW METER</b><br>Accurate steam flow measurement enables better monitoring, control and energy optimization.                          |    | <b>Measure to Manage</b>                   |  Accurate Measurement<br> Better Control<br> Reduced Energy Loss          |
| 2 | <b>CONDENSATE RECOVERY SYSTEM</b><br>Recover valuable flash steam from hot condensate and reuse it to reduce fuel consumption and stack losses. |   | <b>Every Drop Counts</b>                   |  Recover Flash Steam<br> Reduce Stack Temp<br> Save Fuel & Energy        |
| 3 | <b>V SMART</b><br>Smart monitoring & optimization system for real-time-data, alerts and performance insights.                                   |  | <b>Monitor to Reduce Stack Loss</b>        |  Real-time Monitoring<br> Smart Alerts<br> Performance Optimization |
| 4 | <b>AUTO BLOWDOWN SYSTEM</b><br>Automatic blowdown control ensures optimum water quality, reduces heat loss and saves energy.                    |  | <b>Monitor TDS. Improve Boiler Health.</b> |  Optimum TDS Control<br> Reduce Heat Loss<br> Save Water & Energy   |
| 5 | <b>V WISE</b><br>Create benchmarks, track KPIs and drive continuous improvement across your boiler house.                                       |  | <b>Your Plant's Brain</b>                  |  Benchmark Performance<br> Track KPIs<br> Continuous Improvement    |

**INTEGRATED SOLUTIONS.  
MAXIMUM IMPACT.**

When combined, our solutions deliver total energy savings in your boiler house.

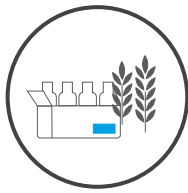
# Application

Serving Diverse Industries

Volfram solutions are trusted across diverse industries with varied process requirements.



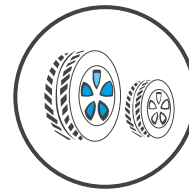
Oil & Gas



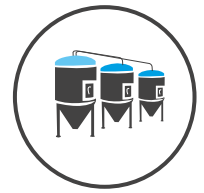
Food & Beverage



Chemical



Tires & Rubber



Breweries



Paper



Pharmaceuticals



Textile

Volfram has successfully delivered solutions across a wide range of industrial applications. Across Industries. Our commitment to quality, performance, and service has made us a trusted partner for steam engineering solutions.



# Our Boiler Range

Flexible Solutions for Every Requirement



**Gas Fired Boiler**



**Solid Fuel Packaged Boiler**



**Oil / Diesel Boiler**



**Solid Fuel Fired Boiler**



**Coil Type Gas / Oil / Diesel Fired Boiler**

# Complete Boiler House & Steam System Solutions

Volfram provides integrated solutions across the entire steam system.

Beyond Boilers – Complete Steam Engineering



# steam experts<sup>TM</sup>

Let's Build an Efficient Steam System



## Volfram Systems India Pvt. Ltd.

*An ISO 9001:2015 Certified Company*

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