

# UMA PHARMATECH MACHINERY

THE FUTURE OF BIOTECH



“Designed  
To Work  
Efficiently”

“Minimum  
power  
consumption”

“Energy  
Efficient  
Impellers”

“Customized  
Mixing  
Equipment”

Address : 61/62, Yamuna Industrial Park, Vanch Dhamatvan Road,  
Dhamatvan, Pin:382435, Ahmedabad | Gujarat | India

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# UMA PHARMATECH MACHINERY

THE FUTURE OF BIOTECH

## WHO WE ARE?

We Are One Of the Leading Manufacturer for Biotech and Life Science Equipment's in Gujarat. We Have More Than 10+ Years Of Experience in Design Of Machinery and Plant Setup. We Have Well Experienced Design Team For Manufacturing Of Various Lab Equipment's. We Provide Turnkey Solution For Bio fertilizer, Bio pesticides, Bio plastics, Probiotics, API With Utilities and Automation.

## WHY CHOOSE US?

- DESIGN TO WORK EFFICIENTLY
- ENERGY EFFICIENT IMPELLERS
- MINIMUM POWER CONSUMPTION
- CUSTOMIZED MIXING SOLUTION
- IN-HOUSE MANUFACTURING FACILITIES

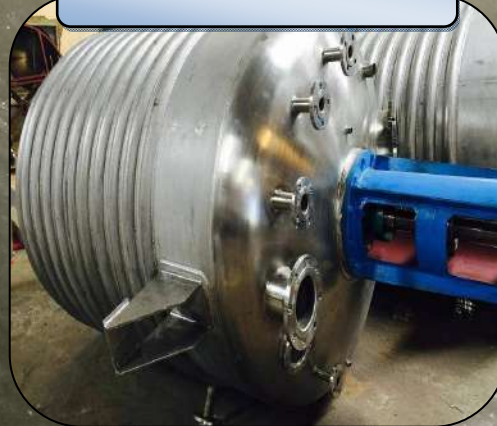
## OUR PRODUCT

- LIMPET COIL REACTORS
- JACKETED REACTORS
- MIXING VESSELS
- STORAGE TANKS
- AGITATORS
- MULTISHAFT AGIATORS
- CO-AXIAL AGITATORS
- HIGH SPEED DISPERSOR
- HOMOGENIZERS
- TURNKEY SOLTION FOR BIO FERTILIZER/PESTICIDES, BIOPLASTIC , API

## CO-AXIAL



## REACTORS



## MULTISHAFT



## MIXING VESSELS



## Who We Are?

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## Why choose us?

Designed to Work Efficiently without Compromising in Aseptic Fermentation Technology under one roof.

In-house Manufacturing Facility Like EOT Crane(10 TON), Plasma Cutting Machine, Argon Welding Machinery, X-ray Welding Testing, Hydro Testing, Accurate Machining, Drilling any Many More.

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Email: [info@ssfermenterbioreactor.com](mailto:info@ssfermenterbioreactor.com)

Web: [www.umapharmatechmachinery.com](http://www.umapharmatechmachinery.com)

Address: Plot No. 61, 62, Yamuna Industrial Park, Dhamatvan, Ahmedabad-382435, Gujarat, India

## Our Product

- ➔ **Lab Fermenter(5 Litre To 20 Litre)**
- ➔ **Pilot scale fermenter((50 Litre To 1000**
- ➔ **production Scale Fermenter(1.5kl to 60kl)**
- ➔ **Vertical Double Wall Autoclave Sterilizer**
- ➔ **Laboratory and Heavy Duty Rotary Shaker**
- ➔ **BOD Incubator**
- ➔ **SS Reactor and SS Tanks**
- ➔ **Powder Mixer Machine**
- ➔ **Turnkey Plant For API, Bio fertilizer, Probiotics**



## Utilities

- ➔ Fermenter(Insitu/ Autoclavable)
- ➔ Oil Free Air Compressor
- ➔ Electric Steam Generator/ Vertical Autoclave
- ➔ Chillier Unit
- ➔ Electric Control Panel
- ➔ SS Skid For Line Distribution With Utility For Insitu Fermenter

## Features

- ➔ Lab Fermenter(5 Litre To 20 Litre)
- ➔ Autoclavable and Insitu Model Available
- ➔ Autoclavable and Insitu Model Available
- ➔ Automatic Temperature Controlling System
- ➔ Automatic Sterilization System
- ➔ Automatic Ph Controlling System
- ➔ PLC Based Or Microprocessor Based Control
- ➔ Agitation Speed Controlling Knob

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# Standard Model of rotary shaker/ Orbital Shaker

## Heavy Duty Industrial Model

### Platform Size(mm) 1250 x 1250

Flask Capacity(ml)	500	1000	2000	5000
Number Of Flask	81	64	36	25

### Platform Size(mm) 1000 x 1000

Flask Capacity(ml)	500	1000	2000	5000
Number Of Flask	49	36	25	9

## Laboratory scale Model

### Platform Size(mm) 850 x 850

Flask Capacity(ml)	250	500	1000	2000	5000
Number Of Flask	49	36	25	16	9

### Platform Size(mm) 600 x 600

Flask Capacity(ml)	250	500	1000	2000	5000
Number Of Flask	25	16	9	9	4

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# Standard Model of rotary shaker/ Orbital Shaker

Total Volume(litre)	Inner Chamber Size(cm)	Heater Capacity(Watt)
Single Wall Vertical Autoclave Without Foot Lifting Facility		
21	30 dia x 30 height	2000
35	30 dia x 50 height	2000
53	37 dia x 50 height	3000
75	37 dia x 60 height	3000
Double Wall Vertical Autoclave With Foot Lifting Facility		
100	47 dia x 58 height	6000
150	47 dia x 87 height	9000
210	55 dia x 90 height	12000

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# BOD INCUBATOR WITH HEATING AND COOLING

## LAB BOD INCUBATOR

Working Size( H x W x D)(cm)	Liters	Trays
45 x 45 x 45	92	2
60 x 45 x 45	121	2
70 x 50 x 50	175	2
60 x 60 x 60	216	3
90 x 60 x 60	324	3



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# Electric Seam Boiler/ Steam Generator

## Industrial Model

Model No	Steam Production (kg/hr)	Max. Design pressure (Bar)	Max. Operating pressure (Bar)	Connected Load(Kw)
UPMB 12	15	6	3	12
UPMB 15	19	6	3	15
UPMB 18	23	6	3	18
UPMB 24	31	6	3	24
UPMB 27	35	6	3	27
UPMB 30	39	6	3	30
UPMB 36	47	6	3	36
UPMB 48	62	6	3	48
UPMB 60	78	6	3	60

## Features

- ➔ Automatic Temperature Controlling and Pressure Controlling
- ➔ Industrial Heavy Duty Immersion Heating Element
- ➔ Automatic Feed Water Available On Demand
- ➔ Glass Level Indicator For Water Level
- ➔ Inner Shell Made Of ss304/Ms On Demand
- ➔ Outer Body and Cover Made Of Mild Steel Painted

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# Ribbon Blender

Model	Total Volume (LTR)	Working Volume(LTR)	Working Volume(kg)	Output RPM	Motor(hp) Approx.
UPMR50	55	40	50	50-60	1/ 2
UPMR100	105	85	100	40-50	2/ 3
UPMR200	215	170	200	35-45	2/ 3
UPMR300	308	245	300	30-45	3/5
UPMR500	517	415	500	30-45	5/7.5
UPMR1050	1060	845	1050	25-40	5/7.5/10

Working Volume (Kg) calculated based on Density Og Material 1.25 g/cm<sup>3</sup>

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OUR COMMITMENT**

**IN THE MANUFACTURE  
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