



# SJ INDUSTRIES

(Formerly known as SJ Enterprises)

Manufacturing & Servicing of:

## LAB EQUIPMENTS

- OVERHEAD STIRRER
- MAGNETIC STIRRER
- LAB OIL BATH
- LAB OIL BATH WITH MAG. STIRRER
- TEMPERATURE CONTROLLER
- MULTI CHANNEL TEMP. INDICATOR
- LAB CENTRIFUGE
- LAB JACK

We Service & Repair Lab Stirrers & also undertake AMC.

(Annual Maintenance Contract)



We started SJ Enterprises on November 2011; and involved in making various products for Pharma Laboratory. All our Products are specially designed to suit the stringent Lab requirements. It involves SS-316/ Aluminium powder coated enclosures, High Torque Stirrer (Gear Motor unit) and are painted in Forest Green colour with excellent finish.

We are one of the leading Manufacturer & also cater to custom built Stirring & Bath requirements of various laboratory.

**All the products are powered from 230v AC 50Hz mains Supply,**

## Overhead Stirrers

### Features :

- Specially designed high torque PMDC Motor for continuous duty
- 2 to 12v DC adjustable output.
- Chuck for interchangeability of shaft.
- Both directions Stirring possible.
- Hollow output spindle to adjust stirring shaft length.
- Models with or without RPM indicator / Temp. Control,
- Low Maintenance.



### OHS-1

#### Technical Data:

RPM Range	25 to 250	40 to 400	60 to 600	90 to 900
Stirring capacity in Liter	200 water	150 water	100 water	50 water
	60 Synthetic	45 Synthetic	30 Synthetic	10 Synthetic
Digital RPM Display	N/A			
Drill chuck hollow	dia 10mm Rod can pass through the gear box			
Gear Motor Unit wt.	3.2 kg			
Speed control Size in mm	150w × 115h × 220 length			
Speed Control wt.	2.5 kg			
Speed control MOC	Aluminium powder coated			



### OHS-2

#### Technical Data:

RPM Range	25 to 250	40 to 400	60 to 600	90 to 900
Stirring capacity in Liter	200 water	150 water	100 water	50 water
	60 Synthetic	45 Synthetic	30 Synthetic	10 Synthetic
Digital RPM Display	Yes			
Drill chuck hollow	dia 10mm Rod can pass through the gear box			
Gear Motor Unit wt.	3.2 kg			
Speed control Size in mm	150w × 115h × 220 length			
Speed Control wt.	2.5 kg			
Speed control MOC	Aluminum powder coted			

**OHS-3 Technical Data:**

RPM Range	25 to 250	40 to 400	60 to 600	90 to 900
Stirring capacity in Liter	200 water	150 water	100 water	50 water
	60 Synthetic	45 Synthetic	30 Synthetic	10 Synthetic
PID. Temp. Control	Available-300°C			
RTD, Pt-100, Sensor	4x200mm with 2 meter teflon wire			
Digital RPM Display	N/A			
Drill chuck hollow	dia 10mm Rod can pass through the gear box			
Gear Motor Unit Wt.	3.2 kg			
Speed control Size in mm	150w × 115h × 220 length			
Speed Control wt.	2.5 kg			
Speed control MOC	Aluminium powder coated			



**OHS-4 Technical Data:**

RPM Range	25 to 250	40 to 400	60 to 600	90 to 900
Stirring capacity in Liter	200 water	150 water	100 water	50 water
	60 Synthetic	45 Synthetic	30 Synthetic	10 Synthetic
PID. Temp. Control	Available-300°C			
RTD, Pt-100, Sensor	4x200mm with 2 meter teflon wire			
Digital RPM Display	Yes			
Drill chuck hollow	dia 10mm Rod can pass through the gear box			
Gear Motor Unit Wt.	3.2 kg			
Speed control Size in mm	150w × 115h × 220length			
Speed Control wt.	2.5 kg			
Speed control MOC	Aluminium powder coated			

**OHS-7 Technical Data:**

RPM Range	25 to 250	40 to 400	60 to 600	90 to 900
Stirring capacity in Liter	200 water	150 water	100 water	50 water
	60 Synthetic	45 Synthetic	30 Synthetic	10 Synthetic
PID. Temp. Indicator	Available-300°C			
RTD, Pt-100, Sensor	4x200mm with 2 meter teflon wire			
Digital RPM Display	Yes			
Drill chuck hollow	dia 10mm Rod can pass through the gear box			
Gear Motor Unit Wt.	3.2 kg			
Speed control Size in mm	150w × 115h × 220length			
Speed Control wt.	2.5 kg			
Speed control MOC	Aluminium powder coated			



**OHS-35H Technical Data:**

RPM Range	25 to 250	40 to 400	60 to 600	90 to 900
Stirring capacity Aprox in Liter	200 water	150 water	150 water	1000 water
	75 Synthetic	55 Synthetic	40 Synthetic	15 Synthetic
Digital RPM Display	Yes			
Protection	Overload 5 second tripping indication			
Motor Power	110 watts 24 v DC			
Drill chuck hollow	dia 10mm Rod can pass through the gear box			
Gear Motor Unit Wt.	4 kg			
Speed control Size in mm	205w × 115h × 220 length			
Speed Control wt.	3.5 kg			
Speed control MOC	Aluminium powder coated			

## Magnetic Stirrers

### Features :

- Specially designed high torque PMDC Motor for continuous duty
- 2 to 12v DC adjustable output.
- Both directions Stirring possible.
- Models with or without RPM indicator / Temp. Control,
- Low Maintenance.

### Technical Data:

#### LMS-1

Name of Model	LMS-1	LMS-7
Digital RPM Indicator	No	Yes
SS - 316, Top Plate Size	195 x 195mm	195x195, mm
Max. Stirring capacity	$\frac{7 \text{ Liter water}}{2 \text{ Liter synthetic}}$	$\frac{7 \text{ Liter water}}{2 \text{ Liter synthetic}}$
Speed Range (RPM) Both Direction	75 to 1250	75 to 1250
Dimension, Lx W. H, In mm	245×190×155	245×190×155
Weight, Approx	4.5kg	4.5kg



#### LMS-2

### Technical Data:

Name of Model	LMS-2	LMS-5
Digital RPM Indicator	No	Yes
Heating Control	Thermostat	Thermostat
Max. Temp. of SS-316 Table top	280°C	280°C
SS - 316, Top Plate Size	195 × 195mm	195×195, mm
Heating Capacity	500w	500w
Max. Stirring capacity	$\frac{7 \text{ Liter water}}{2 \text{ Liter synthetic}}$	$\frac{7 \text{ Liter water}}{2 \text{ Liter synthetic}}$
Speed Range (RPM) Both Direction	75 to 1250	75 to 1250
Dimension, Lx W. H, In mm	245×190×180	245×190×180
Weight, Approx	6kg	6kg

### Technical Data:

#### LMS-6

Name of Model	LMS-6	LMS-8
Digital RPM Indicator	No	Yes
Thermostat	Yes	Yes
Digital PID Temperature Control	Yes	Yes
RTD, Sensor	Yes	Yes
Max. Temp. of SS-316 Table top	280°C	280°C
SS - 316, Top Plate Size	195 × 195mm	195×195, mm
Heating Capacity	500w	500w
Max. Stirring capacity	$\frac{7 \text{ Liter water}}{2 \text{ Liter synthetic}}$	$\frac{7 \text{ Liter water}}{2 \text{ Liter synthetic}}$
Speed Range (RPM) Both Direction	75 to 1250	75 to 1250
Dimension, Lx W. H, In mm	245×190×180	245×190×180
Weight, Approx	6kg	6kg



## Lab Oil Bath Cum Magnetic Stirrer

### Features :

- High Temp. oil Bath
- Excellent control performance
- Specially designed high torque PMDC Motor for continuous duty.
- Both directions Stirring possible
- High Magnet Power
- Attached SS-316 Stand Rod/Dia 10x600mm Length.
- Low Maintenance.



### LOBMS-1

### Technical Data

Name of Model	LOBMS - 1	LOBMS - 2
Digital RPM Indicator	No	Yes
Thermostat	Yes	Yes
Digital PID Temperature Control	Yes	Yes
Max. Temp. of SS-316 Table top	300°C	300°C
Oil Bath Inner Size in mm	95 × 175, dia	95 × 175, dia
Heating Capacity	500w	500w
Max. Stirring capacity	2 Liter synthetic	2 Liter synthetic
Speed Range (RPM) Both Direction	75 to 1250	75 to 1250
Dimension, L × W × H, in mm	255 × 220 × 280	255 × 220 × 280
Weight, Approx	7.5Kg.	7.5Kg.

## Lab Oil Bath

### Features :

- High Temp. oil Bath
- Excellent control performance
- SS.316 Inner & outer Body
- Heater Isolated from oil
- Temp. Range Ambient 300°C. (Locked)
- PID Temperatures Control
- Timer 1min to 9999h
- Sensor Resolution 0.1°C.
- Sensor Pt-100 Immersed in oil
- Additional Safety Thermostat
- Safety Fuse
- On / Off Switch
- Low Maintenance.



### Technical Data:

All Lab Oil Bath input : 230 V, 1 Phase, 50Hz

Model:	LOB-500	LOB-1	LOB-3	LOB-5	LOB-10	LOB-20
Timer	On Request	On Request	On Request	On Request	On Request	On Request
Round flask Capacity	500ml	1Ltr.	3Ltr.	5Ltr.	10Ltr.	20Ltr.
Max Temp. of Oil	300°C.	300°C.	300°C.	300°C.	300°C.	300°C.
Heating Capacity Watts.	400w	500w	850w	1250w	1750w	2250w
Liquid Drain Valve	-	-		1/2 Inch	1 Inch	1 Inch
Bath Size dia × depth	140 × 90mm	175 × 120mm	235 × 165mm	272 × 185mm	352 × 250mm	400 × 295mm
Dimension L × W × H	220 × 275 × 225 mm.	260 × 330 × 195 mm.	295 × 370 × 255 mm.	325 × 400 × 275 mm.	405 × 505 × 375 mm.	480 × 580 × 435 mm.
Approx. wt	4.0 kg.	4.5-kg.	6.8-kg.	8-kg.	10-kg.	18-kg.

**Lab Centrifuge:**

Centrifuge is useful in separating solids from suspended solutions. It works on the principle of Centrifugal action with mesh of suitable size. It performs separation at reasonable RPM in short duration. It is most useful in Chemicals, Pharmaceuticals R&D & formulations.

**Salient Features :**

- Entire Body Fabricated in SS-316 Material.
- Table Top / bench top model .
- Motor & controller chamber is isolated from process fluids (Model 650)
- Nitrogen, purging provision for the entire vessel
- Inherently superior concentric drive.
- Noise less rotation
- Auto braking for door opening & supply Failure.
- Large size viewing glass window with bright LED illumination.
- Coating of all inner parts Halar/ Teflon as per customer requirement.
- Excellent body earthing Operation Condition
- 24v DC .high torque motor.
- Variable speed regulation.
- Digital RPM Display.
- In put Supply voltage 230v +/-15% Single Phase
- Safety fuses for AC/DC supply
- Supply ON-OFF switch
- Motor ON-OFF with brake switch
- LED for AC /DC Supply
- Overload Tripping Circuit Protection

**LBC - 1.2**



**LBC - 0.650**



**Technical Data:**

**Centrifuge in side halar or teflon coating of all wetted parts, on Request**

Sr. No.	Model Description	LBC - 650		LBC - 1.2	
		Large vessel	Small vessel	Large vessel	Small vessel
1	Basket Lod Max.	650gm	300gm	1.2 kg	600 gm
2	Basket height in mm	105	70	175	175
3	Basket in side Diameter in mm	205	205	250	250
4	Basket opening diameter in mm	160	160	190	190
5	Filtration Area (sq. cm)	675	450	1375	628
6	Basket capacity under liquid	1355	900	3628	1650
7	Basket capacity (Volume cc)	2600	1580	7250	2850
8	Basket Cloth bag 5 Macron	Polypropylene	Polypropylene	Polypropylene	Polypropylene
9	Material Seal	Teflon	Teflon	Teflon	Teflon
10	Body fabricated in material	SS-316	SS-316	SS-316	SS-316
11	Gear Housing Material	SS-316 Cladding	SS-316 Cladding	SS-316 Cladding	SS-316 Cladding
12	Motor Power watt.	90	90	110	110
13	Motor Voltage	3 to 24v DC	3 to 24v DC	3 to 24v DC	3 to 24v DC
14	Variable speed regulation (RPM)	300 to 3000	300 to 3000	250 to 2500	250 to 2500
15	Dimension L × W × H, in mm	325 × 325 × 435	325 × 325 × 435	350 × 570 × 500	350 × 570 × 500
16	Cf. Weight max	23 kg	23 kg	42 kg	42 kg
17	Control cabinet	Attached In Side		Seperate	

## Heater Temp. Control (HTC-1)

### Features :

- Temperature Range ambient to 300°C. Locked
- Specially designed PID based digital Temperature Controller.
- Sensor Probe-SS-316 Dia 3×150mm with Pt-100
- Sensor PT-100 with Connector
- Temperature Range : -199° to +400°C.
- Low Maintenance.



## Multi Channel Temp. Indicators

### Features :

- Individual On Off Switches
- Sensor Pt -100 with Connector
- Temperature Range : -199 to +400°C.
- Low Maintenance.
- Different models are available



### Technical Data:

Model:	HTC-1
Sensor Size:	3mmx200L (SS-316) Teflon coated Wire, 2 meter Long
Heating Capacity:	2.5kw
Dimensions L×W×H	175×150×150mm
Approx Wt.	1.8kg
<b>Temp. Controller Body:</b> Aluminium with Siemense Gray Powder Coated	



### Technical Data:

Model:	TI-1	TI-2	TI-4
Temp. Display	1-Channel	2-Channel	4-Channel
Sensor PT-100	One	Two	Four
Sensor Size:	4mmx200long (SS-316) Teflon Coated Wire, 2meter Long		
Dimensions L×W×H in mm	145×150×75	145×150×75	145×95×265
Approx Wt.	750-g	1-kg	2-kg
Temp. Controller body Aluminium with Siemense Gray Powder Coated			



**LAB JACK**

Technical Data:



Models	Travel in mm	Material
6" × 8"	80 To 190	SS -304
8" × 8"	80 To 190	SS -304
10" × 10"	80 To 190	SS -304
12" × 12"	80 To 190	SS -304

**Dull buffing finished**



**STAND**

Technical Data:



Models:	Regular Duty	Heavy Duty
Weight:	6-kg	14-kg
SS-316 Rod	∅16×1000mm H	∅ 25×1000mm H
SS-316 Block	22×22×65mm	32×32×65mm

CI Base Finished, Painted with Forest Green Colour.



- 24x7 support service
- Efficient workforce
- Low prices
- Use High quality spare parts
- Timely delivery schedules
- After sale service

**WE SERVICE & REPAIR LAB STIRRERS  
AMC (Annual Maintenance Contract)**



**UPCOMING PRODUCT**

- OVEN
- FURNACE
- MAGNETIC DRIVE