



S V H M L



South Asia

An ISO CERTIFIED COMPANY

COMPANY PROFILE

**SHRI VENKATESWARA HI-TECH MACHINERIES PRIVATE LIMITED,
518/1,2 SARAVANAMPATTI MAIN ROAD, VELLAKINAR (PO),
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OUR COMPANY

M/s. SHRI VENKATESWARA HI-TECH MACHINERIES PRIVATE LIMITED, IS A PRIVATE LIMITED COMPANY, ESTABLISHED IN THE YEAR 1990. IT WAS INITIALLY ENGAGED IN THE MANUFACTURE OF “VENKATESWARA” MAKE HIGH PRODUCTION CARDING MACHINES AND SPEED FRAMES WITH MODERN TECHNOLOGY TO MEET THE REQUIREMENT OF TEXTILE INDUSTRY.

AROUND 600 MACHINES WERE SUPPLIED TO DIFFERENT PARTS OF INDIA AND ABROAD AND ARE RUNNING TO THE FULLEST SATISFACTION OF OUR VALUED CUSTOMERS. EXHIBITING OUR MACHINES AT INTERNATIONAL TEXTILE MACHINERY EXHIBITION (ITME) BOMBAY, IN THE YEAR 1992 & 1996, WE EARNED A GOOD RESPONSE FROM THE TEXTILE INDUSTRY.

FURTHER WE ARE ENGAGED IN MANUFACTURING EQUIPMENTS AND ACCESSORIES FOR PAPER, CEMENT, CHEMICAL AND SUGAR MILLS. WE ALSO SUPPLYING ACCESSORIES TO SIGNAL & TELECOMMUNICATION WORKS, SOUTHERN RAILWAYS.

FABRICATION AND SUPPLY OF GROUND TESTING AND HANDLING EQUIPMENTS TO INDIAN SPACE RESEARCH ORGANISATION (ISRO) ARE OUR PRESTIGIOUS DELIVERIES. ALMOST ALL CENTRES OF ISRO IN INDIA AVAILED OUR SERVICE.

MANY CHALLENGING JOBS WERE EXECUTED BY US WHICH HAD BEEN APPRECIATED BY ONE AND ALL.

OUR COMPANY IS FUNCTIONING IN ITS OWN FACTORY, EQUIPPED WITH THE REQUIRED MACHINERIES, MODERN HANDLING EQUIPMENTS, EXPERIENCED ENGINEERS AND TRAINED LABOUR FORCE.

OUR PROMOTERS

SRI T.KAALIMUTHU, AGED 76 YEARS, A MECHANICAL ENGINEERING GAINED WORKING EXPERIENCE WITH M/s. P.S.G INDUSTRIAL INSTITUTE AND M/s. LAKSHMI MACHINE WORKS LTD., HE STARTED SREE VENKATESWARAA, MANUFACTURED SOPHISTICATED TEXTILE MACHINERIES AND SUCCESSFULLY MARKETING IN THE FIELD. FOR HIS OUTSTANDING PERFORMANCE IN THE INDUSTRY, HE WAS AWARDED THE “UDYOG RATTAN” AWARD FROM THE MINISTRY OF INDUSTRIES, MAHARASTRA STATE BY 1991.

SRI T.RAMACHANDRAN, AGED 70 YEARS, HAVING 45 YEARS OF PRACTICAL EXPERIENCE IN MACHINERY MANUFACTURING LINE. HE IS MANAGING THE PRODUCTION ACTIVITIES AND DAY-TO-DAY AFFAIRS OF THE UNIT.

SRI T.GOVINDARAJU, AGED 62 YEARS, IS A MECHANICAL ENGINEER GATHERS 30 YEARS EXPERIENCE IN TEXTILE AND CAST IRON FOUNDRY INDUSTRIES. HE IS ONE OF THE DIRECTORS OF THE COMPANY LOOKING AFTER THE GENERAL ADMINISTRATION AND MARKETING.

OUR SERVICE

1. TO SPACE RESEARCH ORGANISATIONS :

THE UNIT HAD SUCCESSFULLY EXECUTED AND COMMISSIONED MANY CHALLENGING PRODUCTS FOR INDIAN SPACE RESEARCH ORGANISATION (ISRO) IN THEIR SLV, ASLV, PSLV, GSLV PROJECTS. COLLAPSIBLE MANDRELS FOR MOTOR CASE WINDING, PROPELLANT CASTING MANDRELS, INSAT-II INTEGRATION FIXTURES, INSAT-II TRANSPORTATION CONTAINERS, GSLV TECHNOLOGICAL TRANSPORTATION CONTAINER ARE SOME OF THE SOPHISTICATED ITEMS MANUFACTURED BY THE UNIT. THE INDUSTRY RECEIVED MANY APPRECIATION AWARDS & CERTIFICATES OF MERITS FROM INDIAN SPACE RESEARCH ORGANISATION (ISRO) FOR ITS CONTINUED SERVICE WITH QUALITY MOTO.

2. TO PAPER PLANTS:

THE UNIT HAS SUCCESSFULLY EXECUTED AND COMMISSIONED MANY PAPER MACHINERIES SUCH AS 17", 20" & 23" SCREW FEEDER ASSEMBLY, AQUA SEPARATOR ASSEMBLY, PIN DRUM FEEDER ASSEMBLY ETC., FOR THE NEW PROJECTS DEVELOPED BY M/s. SESHAYEE PAPER & BOARDS LTD., ERODE, M/s. TAMILNADU NEWSPRINT & PAPERS LTD., KARUR, M/s. THE MYSORE PAPER MILLS LTD., KARNATAKA AND M/s. SERVALL ENGINEERING, KARAMADAI, SRI SAKTHI PAPER & BOARDS LTD., AND OTHER FEW PAPER INDUSTRIES. IN ADDITION, WE HAVE SUPPLIED CHLORINE MIXER PUMPS, VERTICAL, HORIZONTAL CENTRIFUGIAL PUMPS FOR THEIR REQUIREMENTS.

WE HAVE EXPORTED SOME OF THE HEAVY EQUIPMENTS LIKE SCREW FEEDERS, AQUA SEPERATORS, PIN DRUM ROTORY FEEDERS etc. TO TURKMENISTAN.

3. TOWARDS TEXTILES :

FROM THE YEAR 1987 ONWARDS, IT HAD STARTED MANUFACTURING TEXTILE MACHINERIES VIZ, "VENKATESWARA" MAKE HIGH PRODUCTION CARDING MACHINES AND SPEED FRAMES AND SUPPLIED NEARLY 500 CARDING MACHINES & 100 SPEED FRAMES ALL OVER INDIA. IT HAD ALSO EXPORTED SOME OF OUR MACHINES TO MALAYSIA AND SRILANKA.

4. TOWARDS CEMENT PLANTS :

WE HAVE DEVELOPED AND MANUFACTURED MANY ITEMS TO CEMENT PLANT SUCH AS :-

1. TYRE
2. THRUST ROLLERS
3. BEARING HOUSINGS
4. COOLER SHELLS
5. GIRTH GEAR
6. BUCKET ELEVATORS
7. VALVE BODIES
8. SCREW CONVEYORS
9. ASBESTOS SHEET FORMING C.I BOLE ASSEMBLY UNIT .

IN ADDITION TO THE DEVELOPMENT, WE HAVE ALSO RECONDITIONED THE WORN OUT PARTS AND MADE THEM TO WORK, EQUIVALENT TO THAT OF PARENT/ORIGINAL/MATERIAL.

5. TOWARDS TREATMENT PLANTS AND ACTIVATED CARBON MFG. UNIT :

WE ARE ONE OF THE MANUFACTURERS OF WATER TREATMENT PLANTS FOR EFFLUENT DISPOSAL. THIS INCLUDES :

1. THE RE-DESIGN OF THE EXISTING PLANT – IMPORTED / INDIGENOUS.
2. MANUFACTURE AND ERECTION OF CLARIFIER, CLASSIFLACULATOR, AERATOR, ETC.,
3. SELECTION OF THE MATERIAL TOWARDS LIQUID
4. SPARES REQUIREMENT etc,
5. FABRICATION OF ACTIVATED CARBON ROTARY KILN ASSEMBLY UNIT.

6. TOWARDS SUGAR PLANTS:

WE ARE ONE OF THE REGISTERED VENDOR IN SUGAR INDUSTRIES OF PRIVATE AND CO-OPERATIVE SUGARS IN INDIA.

OUR SUPPLIES INCLUDES CASTING, MACHINING & FABRICATION TO SUIT CUSTOMERS REQUIREMENTS SUCH AS :-

1. ROTOR SHELL FOR CRUSHING 1250 TON / 2500 TON CAPACITY.
2. BEARING HOUSINGS
3. ELEVATORS
4. CRUSHING JUIER BLADES, ELBOWS & VALVES
5. BLOWER
6. ITEMS NOT SPECIFIED – AS AND WHEN REQUIRED – ASKED FOR

7. TOWARDS RAILWAYS:

WE ARE ONE OF THE REGISTERED VENDOR IN SOUTHERN RAILWAYS AND WHEEL & AXLE PLANT. OUR SUPPLIES ARE OF THE FOLLOWING ITEMS NAMELY: -

1. BATTERY CHARGE, CONTROL PANELS.
2. PARTS FOR IRS POINT MACHINE LIKE BASE, POWER TRANSMISSION ASSEMBLY, CONTACTOR UNIT ASSEMBLY AND SAFETY COVER ASSEMBLY.
3. HIGH PRECESSION ITEMS FOR STEAM LOCO'S & FOR DIESEL LOCO'S
4. SIGNAL & TELECOMMUNICATION PANELS & PANEL BOARD FOOT MOUNTED
5. PLANT & MACHINERY ITEMS FOR THIS CENTRAL WORKSHOP.

Area of Factory/Works

LAND :- 3 – ACRES	1,30,800 SQ.FT
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BUILDING:-

01. MACHINESHOP, ASSEMBLY SHOP - ACC	15,260 SQ.FT.
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02. FABRICATION SHOP- ACC	20,000 SQ.FT.
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03. OFFICE/ADMN, BLOCK-RCC	3240 SQ.FT.
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04. OTHER BUILDINGS, WATCH & WARD GENERATOR ROOM, MATERIAL STORES, POWER HOUSE.	1,500 SQ.FT.
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05. RAW MATERIAL STORAGE AREA	2,000 SQ.FT.
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06. FINISHED PRODUCT STOCK AREA	1,000 SQ.FT.
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TOTAL BUILD UP AREA	40,000 SQ.FT. =====
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VACANT AREA	87,804 SQ.FT. =====
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In-house availability of shop floor area for Assembly and testing activities
(Min 10 mtrs. X 7 mtrs.) exclusive for FBF work

Machine Shop:-

- | | | |
|----------|------------------------------------|--------------------|
| 1. Bay 1 | 30.5Mtrs x 6.10 Mtrs x 8 Mtrs Ht. | Assembly Section |
| 2. Bay 2 | 30.5Mtrs x 10.675 Mtrs x 8 Mtrs Ht | Assembly Section |
| 3. Bay 3 | 30.5Mtrs x 10.675 Mtrs x 8 Mtrs Ht | Heavy Machine Shop |
| 4. Bay 4 | 30.5Mtrs x 6.10 Mtrs x 8 Mtrs Ht | Heavy Machine Shop |

Fabrication Shop:-

- | | | |
|----------|----------------------------------|-----------------------------------|
| 5. Bay 1 | 61Mtrs x 15.86 Mtrs x 9 Mtrs Ht. | Fabrication / Assembly
Section |
|----------|----------------------------------|-----------------------------------|

Painting Shop:-

- | | | |
|----------|------------------------------------|------------------|
| 6. Bay 1 | 18.3 Mtrs x 6.10 Mtrs x 4 Mtrs Ht. | Painting Section |
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LIST OF MACHINERIES:-

S.No.	Machinery / Equipment	ID No.	Make	Qty	Status
1.	Centre Lathe - Medium	SV/LM/01	Kirloskar	1	Running
2.	Centre Lathe - Light	SV/LM/02	Kirloskar	1	Running
3.	Centre Lathe - Light	SV/LM/03	Kirloskar	1	Running
4.	Centre Lathe - Light	SV/LM/04	HMT	1	Running
5.	Centre Lathe - Light	SV/LM/05	Ravi	1	Running
6.	Centre Lathe - Light	SV/LM/06	Kirloskar	1	Running
7.	Centre Lathe - Heavy	SV/LM/07	German	1	Running
8.	Centre Lathe - Heavy	SV/LM/08	RK	1	Running
9.	Centre Lathe - Heavy	SV/LM/09	GRD	1	Running
10.	Centre Lathe - Heavy	SV/LM/10	AMAR	1	Running
11.	Milling - Heavy	SV/MM/13	HMT	1	Running
12.	Milling - Light	SV/MM/15	Bharat	1	Running
13.	Slotting	SV/SM/16	Panchal	1	Running
14.	Drilling	SV/DM/18	Hindustan	1	Running
15.	Vertical Turning Lathe (VTL) – 2 Mtr. Dia.	SV/VB/20	ELGI	1	Running
16.	Vertical Turning Lathe (VTL) – 3 Mtrs Dia.	SV/VB/21	Punjsteel	1	Running
17.	Planning & Plano Milling - Heavy	SV/PM/22	Boehringer	1	Running
18.	Planning - Heavy	SV/PM/23	Sharda	1	Running

S.No.	Machinery / Equipment	ID No.	Make	Qty	Status
19	Horizontal milling – M2P	SV/HM/28	HMT	1	Running
20	Drilling – Light	SV/DM/29	Eiffco	1	Running
21	Drilling - Medium	SV/DM/32	Eiffco	1	Running
22	Drilling – Medium – BVR3	SV/DM/33	Batliboi	1	Running
23	Drilling - Heavy	SV/DM/34	HMT	1	Running
24	Dynamic Balancing M/c	SV/BM/35	Royal	1	Running
25	Generator	SV/GE/39	Kirloskar	1	Running
26	Compressor	SV/CO/40	Elgi	1	Running
27	Hydraulic Press – 600Ton	SV/HP/41	John Shaw	1	Running
28	Rolling Machine – 32Thk x 2500 Width Cap.	SV/RM/42		1	Running
29	Rolling Machine – 20Thk x 2000 Width Cap.			1	Running
30	Weighing Scale	SV/WS/43		1	Running
31	Welding Generator	SV/WG/44	Advani	1	Running
32	Welding Machine - TIG	SV/WT/45	Power con	1	Running
33	Welding Machine - TIG	SV/WT/46	APS	1	Running
34	Welding Machine - ARC	SV/WA/47	Hi Tech	4	Running
35	Plasma Cutting MPT - 16	SV/PC/48	Tech Pro	1	Running
36	Welding Machine - MIG	SV/MW/49	Super	1	Running
37	Stress relieving Machine	SV/SR/50	SRE-USA - 62	1	Running

S.No.	Machinery / Equipment	ID No.	Make	Qty	Status
38	E.O.T. crane – 5 T	SV/SR/51		3	Running
39	E.O.T. crane –7. 5 T	SV/SR/52		1	Running
40	E.O.T. crane –8 T			1	Running
41	E.O.T. crane –2T			2	Running
42	Horizontal Boring Machine Spindle Dia 90mm	SV/HB/53	UNION	1	Running
43	Generator	SV/GE/54	Powerica	1	Running
44	Drilling M/c - Heavy	SV/DM/56	ARCHADALE	1	Running
45	Hydraulic Press – small	SV/HP/57		1	Running
46	Vertical Machining Centre (VMC) 1100 x 600 x 600 X-axis : 1100 mm Y-axis : 600 mm Z-axis : 600 mm	SV/HP/58	BFW	1	Running
47	M1TR – 5 Milling M/c			1	Running
48	Horizontal Boring Machine Spindle Dia 125mm		UNION	1	Running
49	Vertical Turning Lathe Dia.1450mm		SCHIESS FRORIEP	1	Running
50	Vertical Machining Centre X-axis : 4200 mm Y-axis : 2600 mm Z-axis : 1020 mm Distance from spindle nose to table : 150-1070 mm Distance from spindle center to column : 390 mm Distance between columns : 2700 mm		VISION WIDE TEC Taiwan	1	Running
51	Vertical Turning Centre Model no. SVTL 4500 Table size 4500mm Dia. Max Turning Dia. : 5050 mm Max. Tuning Ht. : 2350mm with Double Ram head on cross rail with X and Z CNC drive Max. Load : 30000 Kgs.		SVTL 4500	1	Running

52	TURNING CENTER (CNC) Max Turning Dia. : 325mm Max. Tuning Length : 3000mm			1	<i>Running</i>
53	HEAVY DUTY LATHE MACHINE LENGTH: 30 FEET BED WIDTH : 32" CENTRE HEIGHT : 30" WITH 2HP CARRIAGE MOTOR WITH FITTING WITH DOG CHECK 36" WITH MAIN MOTOR 12.5 HP WITH BELTS			1	<i>Running</i>
54	HEAVY DUTY LATHE MACHINE LENGTH: 50 FEET CENTRE HEIGHT: 800mm			1	<i>Running</i>
55	<i>Vertical Turning Centre Model no. SVTL 5000 Table size 4750mm Dia.</i> Max Turning Dia. : 5310 mm Max. Turning Ht. : 2700mm with Double Ram head on cross rail with X and Z CNC			1	<i>Running</i>

FABRICATION

PIECE WEIGHT	: MAXIMUM WEIGHT 20 TONNES SINGLE PIECE
PRODUCT DEVELOPED	: ISRO MANDREL, SATELITE FIXTURE, CONTAINERS, ELGI TYRE RETREADING CHAMBERS, SCREW CONVEYORS, HYDROPULPER AND HEAVY FABRICATION (MILD STEEL AND STAINLESS STEEL) FOR CEMENT, SUGAR AND PAPER MILLS. AND ACTIVATED CARBON PLANTS
MACHINERIES	: 1.'HIMALAYA MAKE" MAKE ROLLING MACHINE CAPACITY 32 TK x 2500M LENGTH 2. MIG/TIG WELDING MACHINE 18KVA. 3. 650TON PRESS
LIFTING	: 15 TONNE CRANES
STRESS RELIEVING	: VIBRATORY STRESS RELIEVING IS SUPER FAST AND TAKES 10 MINUTES FOR PARTS WEIGHING FROM 5 Kg TO 5 TONS. 5 MINUTES FOR 4 TO 10 TONS. 25 MINUTES FOR 10 TO 50 TONS AND 30 MINUTES FOR JOBS UPTO 150 TONS.

Measuring & Monitoring Equipment (MME)

I. VERNIER CALIPER:

01.	150/MM VERNIER CALIPER	MITUTOYO	1 No.
02.	300/MM VERNIER CALIPER	MITUTOYO	2 Nos.
03.	1 METER VERNIER CALIPER	MITUTOYO	1 No.
04.	2 METER VERNIER CALIPER	MITUTOYO	1 No.

II. DEPTH VERNIERS:

01.	150 MM DEPTH VERNIER	MITUTOYO	1 No.
02.	200 MM DEPTH VERNIER	MITUTOYO	1 No.
03.	300 MM DEPTH VERNIER	MITUTOYO	1 No.

III. MICRO METERS:

01.	0 TO 25 MICRO METER	MITUTOYO	2 Nos.
02.	25 TO 50 MICRO METER	MITUTOYO	1 No.
03.	0 TO 100 MICRO METER	MITUTOYO	1 No.
04.	50 TO 150 MICRO METER	MITUTOYO	1 No.
05.	150 TO 300 MICROMETER	MITUTOYO	1 No.
06.	300 TO 400 MICRO METER	MITUTOYO	1 No.
07.	400 TO 500 MICRO METER	MITUTOYO	1 No.
08.	600 TO 700 MICRO METER	BAKER	1 No.
09.	700 TO 800 MICRO METER	MITUTOYO	1 No.
10.	INSIDE MICROMETER 50 TO 1500	MITUTOYO	1 No.
11.	INSIDE MICROMETER 1000 TO 5000	MITUTOYO	1 No.

IV. DEPTH MICROMETERS:

01.	0 TO 25 DEPTH MICRO METER		1 No.
02.	0 TO 75 DEPTH MICRO METER	ME	1 No.

V. HEIGHT VERNIER:

01.	450 MM HEIGHT GAUGE	MITUTOYO	1 No.
02.	600 MM HEIGHT GAUGE	MITUTOYO	1 No.

VI. BORE DIALS:

01.	18 – 35 BORE DIAL GUAGES	MITUTOYO	1 No.
02.	35 – 60 BORE DIAL GUAGES	MITUTOYO	1 No.
03.	50 – 150 BORE DIAL GUAGES	MITUTOYO	1 No.

VII. DIAL TEST INDICATORS:

01.	0.01MM 10MM RANGE DIAL GUAGE	MITUTOYO	1 No.
02.	0.01MM 10MM RANGE DIAL GUAGE	BAKER	3 Nos.
03.	0.002MM – 0.2 MM POPPYITAS DIAL	MITUTOYO	1 No.
04.	0.01MM – 0.8 MM POPPITAS	MITUTOYO	2 Nos

VIII. MAGNETIC STANDS:

01.	MAGNETIC STAND	MITUTOYO	3 Nos.
02.	MAGNETIC STAND	JAFUJI	2 Nos.

<u>IX. SURFACE GAUGE</u>	MITUTOYO	1 No.
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X. CIRCUMFERENCE TAPES:

01. 700 TO 1000	1 No.
02. 1100 TO 1500	1 No.
03. 1600 TO 1900	1 No.
04. 1900 TO 2300	1 No.

XI. OTHER INSTRUMENTS:

01. 0 TO 300 HEIGHT MASTER	TRIMES SWISS MADE	1 No.
02. SLIP GUAGE 0.5 TO 100		1 Set.
03. FLANGE MICRO METER 25 TO 50	MITUTOYO	1 No.
04. PLUNGER DIAL	MITUTOYO	1 No.
05. SPIRIT LEVEL 0.02MM	RSK JAPAN MADE	2 Nos.
06. SQUARE SPIRIT LEVEL	RSK JAPAN	1 No.
07. ULTRASONIC TESTER UTG 5203	BSF	1 Set.
08. HARDNESS TESTER	BSF	1 Set.
09. COMBINATION SET	MITUTOYO	1 Set.
10. MACHINE SQUARE 6" (150MM)	INBOX DIN 875	1 No.
11. MAGNETIC V-BLOCK	BHARAT	2 Nos.
12. DIGITAL TEEKO METER		1 Set.
13. SURFACE TABLE (1200 x 900)		1 No.
14. SURFACE TABLE (400 x 400)		1 No.
15. MITUTOYO DIGITAL VERNIER CALIPER 0-200MM		1 NO.
16. LASER OPTICAL DISPLACEMENT SENSOR		1 No.
17. LASER OPTICAL AUTOMATIC LEVEL INSTRUMENT B30/B40		1 NO.

LIST OF INSTRUMENTS & TESTING EQUIPMENTS

S.No.	Equipment name	ID.No.	Working range	Required accuracy	Location	Parameters measured
1	Vernier Caliper	SV/VC/01	0- 1000	0.02mm	Stores	Length, Width, Thickness, etc
2	Vernier Caliper (S.No. 1264534)	SV/VC/02	0- 300	0.02mm	Stores	Length, Width, Thickness, etc
3	Vernier Height Gauge	SV/HV/03	0 - 450	0.02mm	Stores	Liner Measurement - Height
4	Depth Vernier	SV/DV/04	0 - 300	0.02mm	Stores	Liner Measurement - Depth
5	Digital Vernier	SV/DV/05	0 - 200	0.02mm	Stores	Length, Width, Thickness, etc
6	Tubular Micrometer	SV/TM/06	1000-5000	0.01mm	Stores	Inside Diameter
7	External micro meter	-64029792	0-25	0.01mm	Stores	Out Side Diameter
8	External micro meter	-513166	0-25	0.01mm	Stores	Out Side Diameter
9	External micro meter	SV/MM/07	25-50	0.01mm	Stores	Out Side Diameter
10	External Micrometer	SV/MM/08	50-100	0.01mm	Stores	Out Side Diameter
11	External Micrometer	SV/MM/09	50-150	0.01mm	Stores	Out Side Diameter
12	External Micrometer	SV/MM/10	150 - 300	0.01mm	Stores	Out Side Diameter

13	External Micrometer	SV/MM/11	300 - 400	0.01mm	Stores	Out Side Diameter
14	External Micrometer	SV/MM/12	400 - 500	0.01mm	Stores	Out Side Diameter
15	External Micrometer	SV/MM/13	500 - 600	0.01mm	Stores	Out Side Diameter
16	External Micrometer	SV/MM/14	600 - 700	0.01mm	Stores	Out Side Diameter
17	External Micrometer	SV/MM/15	700 - 800	0.01mm	Stores	Out Side Diameter
18	External Micrometer	SV/MM/16	800 - 900	0.01mm	Stores	Out Side Diameter
19	External Micrometer	SV/MM/17	900 - 1000	0.01mm	Stores	Out Side Diameter
20	External Micrometer	SV/MM/18	1400 - 1600	0.01mm	Stores	Out Side Diameter
21	External Micrometer	SV/MM/19	1600 - 1800	0.01mm	Stores	Out Side Diameter
22	Digital Ultrasonic Thickness Gauge		2mm - 200mm 5mm - 300mm	$\pm 0.1\text{mm}$ / $\pm 0.3\text{mm}$		Thickness
23	Surface Roughness Tester					

ORGANISATION CHART

