

Summary of Visit to M/s WOODTECH Consultants Pvt. Ltd. on 11th March 2022

Website : www.woodtech.in/

1. Objective: To explore opportunities for machine tool industries in wood working sector

2. Participants:

- Mr. Giridhar Rajan – M/s Ace Designers
- Mr. Yogesh Patil – M/s Setco Spindles
- Mr. S Satish Kumar - IMTMA

3. Introduction:

Visit to Woodtech Consultants is meant for exploring and generating opportunities for machine tool industries to build capital goods (machinery) for the wood working industry. Brief about Woodtech Consultants is given below.

- Started in 2001 as consultancy for furniture industries, is catering to wood working industries for their machinery needs across the country for both solid wood and wood panel board. Woodtech Consultants offer end-to-end solutions for wood working industries. They have branch offices in Jodhpur, Warehouses in Tumkur and Sricity.
- They have captured 95% Market share in Solid wood machinery segment
- Woodtech, having pan-India presence, markets machines from Taiwan, China and European (BIESSE, HOMAG) countries. More than 200 models of wood working machinery is listed in their trade catalogue.
- Taiwan and Chinese machines are sold under the Woodtech brand after customisation for local requirements.
- Woodtech portfolio includes consulting, selection and suggestions for machine selection, support and services for preparing layout plans, installation, testing and commissioning, service and support.
- Woodtech have partnership with leading machinery manufacturers across the globe and also manufacture customised sanding machines in-house.
- They cater to more than 500 customer base in Bangalore and 25-30 customers in Peenya industrial area
- They have a strong network of support engineers across the country.

- Around 1000 wood working machines are marketed annually across the country catering to Solid wood and Panel wood working requirements.
- Woodtech had JV with an Italian company, **Costa** (<https://www.costalev.com/wood/>) for manufacturing of 'Sanding Machine' and they have acquired the JV in 2014.
- The name of the JV company manufacturing Costa **Sanding machine** is 'M/s 'Levigo Engineering'
- They have established 'supply chain' for their requirement, domestic and global

M. Gopi T, Managing Director of Woodtech is **Secretary** of '**Indian Woodworking Machinery, Manufacturers' and Traders Association, IWMMTA**.

4 Summary of the visit :

Visited (a) Showroom, (b) Modular Furniture Factory and (c) Levigo Engg India Pvt Ltd. in their Bangalore facility

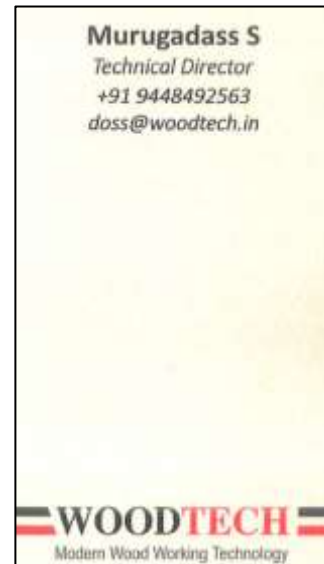
- Showroom:** Showroom was under renovation and they carry most of the solid wood and modular furniture making machines in the showroom for demo purposes. Thermal chamber with electronics controller, hot press (120 ton capacity) and cold press are products of Woodtech was on display. Testing and final integration of Multi Head Boring was in progress
- Modular Furniture Factory:** Modular furniture factory was used for contract manufacturing of furniture for reputed vendors. They have a 'Design group' skilled to undertake furniture design as well. They operate in two shifts.
- Levigo Engg India Pvt Ltd factory:** JV with Costa, Italy, in 2009 and in 2014 Woodtech fully owns the factory which manufactures premier quality 'Sanding machines' which does ultrafine 1000 grade of sanding. Material removal will be around 0.2mm to 0.3mm maximum. Sanding machines are built based on the customer requirement and costs around Rs. 50lakhs to Rs. 90 lakhs. Localisation of Sanding machine is around 60%. Integrated pulley with rubberised roller is one of the key aggregate being imported for the machine. Woodtech is desirous of up to 90% localisation of Sanding machine in the near future.

- Discussed with team of Woodtech management and Mr. Sivakumar, Group Director, Nurnberg Messe, about collaborative activities with IMTMA membership industries.
- Woodtech sources aggregates and outsources manufacturing and carry out assembly, integration and testing
- There are more than 8000 machines in operation marketed by Woodtech and is being supported across the country

5) *Opportunity for members:*

- Woodtech is interested in tie-ups with companies for manufacturing wood working machines
- They are also looking for supply chain and parts manufacturing industries for their requirements
- They manufacture and supply around 100 'Thermal Chamber or 'Wood kiln' with controller and are interested in indigenising controller
- They are also looking for aggregates for feeding and material handling which is currently being imported
- Zero blow hole castings, precision table of larger table, pulley with rubberised roller are some of their requirements
- They have also shown interest in marketing metal working machines like laser cutting, bending and presses, mainly for sheet metal operations
- They are ready to discuss their requirement with OEM's and Aggregate manufacturing IMTMA member industries

Visiting card details:



INDIAN WOODWORKING MACHINERY MANUFACTURERS AND TRADERS ASSOCIATION

An Association of wood working machining manufacturers and traders has been registered. IWMMTA is formed to represent the membership at national and

international level, promoting and safeguarding the interests of members and in general the woodworking machinery industry in India.



OFFICE BEARERS AND EXECUTIVE COMMITTEE MEMBERS

President
Secretary
Treasurer
Member
Member
Member
Member
Member
Member
Member

Ashok D'Souza
T. Gopi
Suresh Balakrishnan
Venkatramana Gorti
Vikram Sivaraman
Nirav Shah Niranjanbhai
Subhashchandra Patel
Shyam Krishnan K
Krutik Prajesh Mistry
Satyan Vinod Thukral

Altendorf India Pvt Ltd
Woodtech Consultants Pvt Ltd
Leitz Tooling Systems India Pvt Ltd
Homag India Pvt Ltd
Biesse Manufacturing Co Pvt Ltd
Jai Industries
Umisons Industries
Altendorf India Pvt Ltd
Felder Group India
Caple Industrial Solutions

Website : www.woodtech.in/

Manufacturing Facility: <https://www.woodtech.in/uploads/2019/solid-wood-line/manufacturing-facility.pdf>

Products: <https://www.woodtech.in/products.html>

Information about Machines

1. Multi - Blade Rip Saw



Model	MRS-145E	MRS-145H
Maximum Working Width	350 mm	500 mm
Working Thickness	10-170 mm	10-170 mm
Minimum Working Length	740 mm	740 mm
Saw Blade Dia	355 - 505 mm	405 - 505 mm
Bore Dia of Saw Blade	80 mm	80 mm
Spindle Dia	60 mm	60 mm
Spindle Speed	2600 r/min	2600 r/min
Feed Speed	3-24 m/min	3-24 m/min
Motor Power	59.75 Kw /80 HP	81.25 Kw /109 HP
Spindle Motor	55 Kw / 75 HP	75 Kw / 100 HP
	(Opt. 75 Kw / 100 HP)	
Feeding Motor	4 Kw/ 5 HP	7.5 Kw / 10 HP
Lifting Motor	0.75 Kw / 1 HP	0.75 Kw/1 HP
Air Supply Pressure	6 Bar	6 Bar
Dust Extraction Capacity	3800M /h	3800M /h
Suction Hood Dia	2 x 150 mm (6"x2)	2 x 150 mm (6"x2)
Overall Dimensions (LxWxH)	4460 x 1780 x 1870 mm	4850 x 2020 x 1880 mm
Weight	3500 Kgs	4250 Kgs
Voltage	415V/50Hz/3P	415V/50Hz/3P

<https://www.woodtech.in/multi-blade-rip-saw.html>

2. FC1325 CNC Router



Control system	RichAuto DSP A11 Control system
Spindle	China CC brand 4.5kw air cooling,ER32,speed 6000-18000rpm/min
Machine body and gantry	Heavy duty metal welding,Quenching and sandblasting,Twice painting
Table	Vacuum & T slot
Driving system	Stepped motor and Yako2811 driver
X, Y Axis structure	Wuxi Xinyue 1.25M helical rack and Japan SHIMPO Reducer
Z Axis Structure	Original Taiwan TBI ball screw
X Y Z Axis Square rails	Original Taiwan 25 square rails
Inverter	Fuling Brand 5.5kw
Electric parts	France Schneider
Limited switch	Japan Omron
Machine cable	German Siemens OEM factory cable
Oil lubrication	Hand control with Aluminum oil pipe
Machine working size	X Axis-1300mm ,Y Axis-2500mm ,Z Axis-200mm
Machine Size	Length 3200mm ,Wide 2280mm ,High 1800mm
Machine Max.travel speed	35m/min
Machine Max.working speed	20m/min
Machine Voltage	3PH ,380V ,50/60HZ
Machine weight	1500kg

<http://www.finecnc.com/FC1325-CNC-Router-pd93870536.html>

3. Hot Presses and Cold Presses



Model	HP48/120/1	HP48/160/1
Total Pressure	120 tons	160 tons
Unit Pressure	0.32 Mpa(3.2 kg/cm ²)	0.53 Mpa (5.3 kg/cm ²)
Hot Platen Size	42 x 1300 x 2500 mm (Solid steel drilled hot platen covered with mylar)	
Effective Working Area	1240 x 2460 mm	
Working Layer	1 layer	
Platen Opening	380 mm	
Hot Platen No.	2 pcs	
Oil Cylinder No. and Diameter	6 pcs / ø 85 mm	8 pcs / ø 85 mm
Hot Platen Opening Way	Automatic	
Heating Way	Electric heated with thermal oil	
Pump Power	0.75 Kw	
Heating Power	24 Kw	
Hydraulic Motor	2.1 kw	
Total Power	27 kw	
The Highest Temperature	120oc	
Gross Weight	5000 kgs	5500 kgs
Net Weight	5000 kgs	5500 kgs
Overall Size (L X W X H)	3575 x 1655 x 2025 mm	
Voltage	420V/50C/3P	

<https://www.woodtech.in/hot-press.html>

4. Wide Belt Sander



Model	SRP-630B	SRP-1000B
Working Width	40-630 mm	40-1000 mm
Working Thickness	3-160 mm	3-160 mm
Minimum Working Length	500 mm	600 mm
First Unit Sanding Belt Speed	19 m/s	19 m/s
Second Unit Sanding Belt Speed	16 m/s	18 m/s
Feeding Speed	5-27 m/min	6-30 m/min
Sanding Belt Size	650 x 2100 mm	1030 x 2200 mm
Total Power	20.74 Kw / 28 HP	36.82 Kw / 49 HP
First Unit Sanding Belt Motor	11 Kw / 15 HP	18.5 Kw / 25 HP
Second Unit Sanding Belt Motor	7.5 Kw / 10 HP	15 Kw / 20 HP
Conveying Belt Motor	1.5 kw / 2 HP	2.2 kw / 3 HP
Worktable Lifting Motor	0.37 kw / 0.5 HP	0.37 kw / 0.5 HP
Dust Brush Motor	0.37 kw / 0.5 HP	0.75 kw / 1 HP
Suction Hood Dia	5 x 150 mm (6"x5)	5 x 150 mm (6"x5)
Air Supply Pressure	6 Bar	6 Bar
Dust Extraction Capacity	9500M ³ /h	9500M ³ /h
Overall Dimensions (LxWxH)	2120 x 1280 x 2050 mm	2250 x 1750 x 2150 mm
Weight	1950 Kgs	3100 Kgs
Voltage	415V/50Hz/3P	415V/50Hz/3P

<https://www.woodtech.in/wide-belt-sander.html>

5. Boring Machine



Model	HVB-2-1500
Max. Stroke of Vertical Drilling	70mm
Max. Stroke of Horizontal Drilling	70mm
Max. Drilling Dia	16mm
Number of Spindle	12
Spindle Speed	2825rpm
Adjusting Range of Drilling	20-112mm
Power	1.1kw x4
Total Power	4.4 kw
Air Supply Pressure	6 Bar
Net Weight	680kgs
Packing Dimension (LxWxH)	2150 x 1100 x 1700mm
Overall Size (LxWxH)	2170 x 1040 x 1850mm
Voltage	415V/50Hz/3P
	With Boring Bit

<https://www.woodtech.in/boring-machine.html>

6. Edge Banding Machine



Product Details:	
Automation Grade	Automatic
Glue Tank Capacity	3 kgs
Working Pressure	6 Bar
Voltage	420V / 50C / 3P
Beam Lifting Motor	0.37 kw
Buffing Unit 2 Motors With Cloth Disc	0.37 kw x 2 & Dia 150 mm
Conveyor Motor	2.2 kw
Edge Dimensions In Strips	0.4 - 3 mm
Feed Speed	15,18,23 m/min
Gross Weight	1332 kgs
Installed Power	9.06 kw
Maximum Thickness of the Panel	150 mm
Minimum Thickness of the Panel	10 mm
Minimum Width of the Panel	60 mm
Miximum Thickness of the Panel	60 mm
Net Weight	1300 kgs
Packing Size	4000 x 1000 x 680 mm
Suction Hood Diameter	4 inch x 3

<https://www.woodtechconsultants.com/edge-bander-machine.html>

7. Planer Machine



Model	DSP-204F-H	DSP-206F-H
Working Width	40-445 mm	50-630 mm
Working Thickness	10-170 mm	10-170 mm
Minimum Working Length	310 mm	310 mm
Maximum Cutting Depth	(Upper / Bottom)	(Upper / Bottom)
	5/3 mm	5/3 mm
Feeding Speed	5 - 20 m/min	5 - 20 m/min
Speed of Spindle	4800 r/min	4800 r/min
Spindle Cutting Dia	125 mm	125 mm
Total Power	15.95 Kw /21 HP	22.25 Kw / 30 HP
Top Spindle Motor	7.5 Kw / 10 HP	11 Kw / 15 HP
Bottom Spindle Motor	5.5 Kw/7.5 HP	7.5 Kw/ 10 HP
Feeding Motor	2.2 Kw/3 HP	3 Kw/ 4 HP
Lifting Motor	0.75 Kw/1 HP	0.75 Kw/1 HP
Suction Hood Dia	2 x 150 mm (6"x2)	4 x 150 mm (6"x4)
Dust Extraction Capacity	3800M /h	7600M /h
Overall Dimensions (LxWxH)	2760 x 990 x 1780 mm	2900 x 1180 x 1830 mm
Weight	2600 Kgs	3200 Kgs
Voltage	415V/50Hz/3P	15V/50Hz/3P

<https://www.woodtech.in/double-side-planer.html>

8. Tenoner Machine



<https://www.woodtech.in/double-end-tenoner.html>

Model	FSM-523A	FSM-623A
Working Width	20-230 mm	20-230 mm
Working Thickness	8-160 mm	8-160 mm
Minimum Working Length	(Intermittent /Continuous)	(Intermittent /Continuous)
	840/280 mm	840/280 mm
Dia of Spindle	40 mm	40 mm
Feeding Speed	6-36 m/min	6-36 m/min
Speed of Spindle	6800 r/min	6800 r/min
First Bottom Cutter Dia	125 mm	125 mm
Left /Right Vertical Cutter Dia	108-200 mm	108-200 mm
The First Upper Cutter Dia	108-180 mm	108-180 mm
The Second Upper Cutter Dia		108-180 mm
The Second Bottom Cutter Dia	108-230 mm	108-230 mm
Total Power	38.25 Kw /51 HP	47.25 Kw / 63 HP
The First Bottom Cutter/ Right Vertical Cutter	2 x 5.5 Kw / 7.5 HP	2 x 5.5 Kw / 7.5 HP
Left Vertical Cutter	7.5 Kw / 10 HP	7.5 Kw / 10 HP
The First Upper Cutter	7.5 Kw / 10 HP	7.5 Kw / 10 HP
The Second Upper Cutter		7.5 Kw / 10 HP
The Second Bottom Cutter	7.5 Kw/10 HP	7.5 Kw / 10 HP
Feeding Motor	4 Kw / 5.5 HP	5.5 Kw / 7.5 HP
Beam Lifting Motor	0.75 Kw / 1 HP	0.75 Kw / 1 HP
Suction Hood Dia	5 x 150 mm (6"x5)	6 x 150 mm (6"x6)
Air supply pressure	6 Bar	6 Bar
Dust Extraction Capacity	9500M /h	11400M /h
Overall Dimensions (LxWxH)	4280 x 1900 x 1700 mm	4280 x 1900 x 1700 mm
Weight	4600 Kgs	5600 Kgs
Voltage	415V/50Hz/3P	415V/50Hz/3P
	Without Cutter Block	Without Cutter Block

9. Four Side Moulder



<https://www.woodtech.in/four-side-moulder.html>

Model	FSM-523A	FSM-623A
Working Width	20-230 mm	20-230 mm
Working Thickness	8-160 mm	8-160 mm
Minimum Working Length	(Intermittent /Continuous)	(Intermittent /Continuous)
	840/280 mm	840/280 mm
Dia of Spindle	40 mm	40 mm
Feeding Speed	6-36 m/min	6-36 m/min
Speed of Spindle	6800 r/min	6800 r/min
First Bottom Cutter Dia	125 mm	125 mm
Left /Right Vertical Cutter Dia	108-200 mm	108-200 mm
The First Upper Cutter Dia	108-180 mm	108-180 mm
The Second Upper Cutter Dia		108-180 mm
The Second Bottom Cutter Dia	108-230 mm	108-230 mm
Total Power	38.25 Kw /51 HP	47.25 Kw / 63 HP
The First Bottom Cutter/ Right Vertical Cutter	2 x 5.5 Kw / 7.5 HP	2 x 5.5 Kw / 7.5 HP
Left Vertical Cutter	7.5 Kw / 10 HP	7.5 Kw / 10 HP
The First Upper Cutter	7.5 Kw / 10 HP	7.5 Kw / 10 HP
The Second Upper Cutter		7.5 Kw / 10 HP
The Second Bottom Cutter	7.5 Kw/10 HP	7.5 Kw / 10 HP
Feeding Motor	4 Kw / 5.5 HP	5.5 Kw / 7.5 HP
Beam Lifting Motor	0.75 Kw / 1 HP	0.75 Kw / 1 HP
Suction Hood Dia	5 x 150 mm (6"x5)	6 x 150 mm (6"x6)
Air supply pressure	6 Bar	6 Bar
Dust Extraction Capacity	9500M /h	11400M /h
Overall Dimensions (LxWxH)	4280 x 1900 x 1700 mm	4280 x 1900 x 1700 mm
Weight	4600 Kgs	5600 Kgs
Voltage	415V/50Hz/3P	415V/50Hz/3P
	Without Cutter Block	Without Cutter Block

10. Sliding Table Panel Saw – PS132



Model	PS 132
Sliding Table Length	3200 mm
Max. Cutting Height	90° @ 100 mm/45° @ 80mm
Max. Cutting Width	1250 mm
Main Motor Lifting	Auto
Blade Tilting Degree	0~45
Main Saw Rpm	4000/5000 rpm
Main Saw Power	5.5 kw
Max. Blade Diameter	Dia 350 x 30 mm
Scoring Saw Diameter	Dia 120 x 22 mm
Scoring Saw Power	0.75 kw
Total Power	6.25 kw
Suction Hood Dia	4" x 2
Gross Weight	950 kgs
Net Weight	880 kgs
PACKING SIZE (LxWxH)	
Machine Frame size	2285 x 1150 x 1100 mm
Sliding Table Size	3400 x 525 x 330 mm
Voltage	420V/50C/3P

<https://www.woodtech.in/sliding-table-saw-wood.html>

11. Dust Collector



Product Details:	
Voltage	420V / 50C / 3P
Power Kw	3
Air Delivery	3000 m3/h
Quantity of Mouth	3 pcs
Dia of Inlet	4"
Gross Weight	71 kgs
Net Weight	65 kgs
Overall Size	1380 x 560 x 2000 mm (L X W X H)

<https://www.woodtechconsultants.com/dust-collector.html>

12. Drilling Machine



Model	HDD-1
Max. Drilling Dia	16mm
Max. Drilling Head Stroke	70mm
Adjusting Range of Drilling	20-112mm
Number of Spindles	3
Boring Bits Size	8 x L70mm
Power	1.1kw
Air Supply Pressure	6 Bar
Net Weight	200 Kgs
Packing Dimension (LxWxH)	1060 x 940 x 1100mm
Overall Size (LxWxH)	1010 x 900 x 1060mm
Voltage	415V/50Hz/3P
	With Boring Bit

<https://www.woodtech.in/dowel-drilling-machine.html>