
QUALITY YOU CAN RELY ON
VALLIKKATT®



VALLIKKATT ENGINEERING

VALLIKKATT ENGINEERING PVT. LTD. is a well-managed organization with professional ethics as also to manufacture quality Product now becoming one of the India's prominent and fast growing steel fabrication industries. Vallikkatt engineering is a pioneer in Robotic and Mechatronics and designing and manufacturing of plant and machinery, ancillary equipment's as well as components for various production lines. It provides engineering solutions to multitude of global players. reaching a unique position in the fabrication industry by providing high quality products and timely service to its client. Since incorporation, we have built a hi-tech infrastructure at our accommodation to have arranged business related activities. The unit is well equipped with advanced production machines and necessary facilities that support us to manufacture the products in large quantities. Also offer cost effective products which are not only efficient but required minimum maintenance.

OUR CORPORATE VALUES

High Priority to Customer Satisfaction. High Standards of Quality, Efficiency, Reliability and Safety. Promoting Use of Modern Technology and Practices. Maximizing Profitability and Cost-Effectiveness. Nurturing And Developing Human Resources. Cultivating Mutually Rewarding Relationships with Its Partners in Business. Commitment To Community Development and Environmental Protection.





OUR MISSION

To invest in eco-friendly systems and provide a safe and healthy work environment for our employees
To become one of the leading engineering companies in the world with a foundation built on quality, safety, innovation, and cost-competitiveness
Foster team bonding and encourage employees to embrace new ideas
To establish a culture of innovation, self-motivation, and ownership towards work
To provide our customers support from planning stage and plant layout to preparation of gas, air, power, and drainage services.
To design and fabricate plants after interpersonal discussions and continuous cooperation.
To Understanding Customer needs To provide quality products, efficient and proactive services at competitive prices
To achieve total customer satisfaction.
To strive to achieve better standards of quality and excellence in any ecosystem

OUR VISION

To be a leading Engineering products manufacturer and supplier through constant growth shall be achieved with the growth of our customers and partners.
To be a world-class leader in our business and achieve global standards through quality and innovation.
To build value for all clients, innovation, and service.
Be recognized as a pioneer in Robotics and Mechatronics and heat transfer solutions & precision engineering products for critical applications in Industries like Oil & Gas, Petrochemicals, Fertilizers, Pharmaceutical, Chemicals, Power, Food Processing, Beverage Industry, Ships & Marine, Mining, Cryogenics, Paper & Pulp, Water waste treatment plant, Iron & Steel, Rubber, Sugar Factories and Distilleries.



OUR EXCELLENCE... TO PROVIDE YOU THE BEST!

All the raw materials and finished products undergo stringent quality checks at different levels of manufacturing. Micro analysis is conducted on incoming ingredients and products thereby ensuring high durability, tensile strength, and resistivity to adverse conditions. For us total satisfaction of the customers is the prime concern.



WHY CHOOSE US?

We are holding a remarkable position in the industry and given priority to the customer satisfaction. In addition, by making transparency in our occupational dealings, we have earned the huge satisfaction of customers. We have got the edge over other market players due to the following reasons mentioned below:

Reasonable prices
Competent and efficient team
Easy payment modes
Team of expert professionals
Well Equipped Infrastructure
High manufacturing quality
Excellent after sales service and support





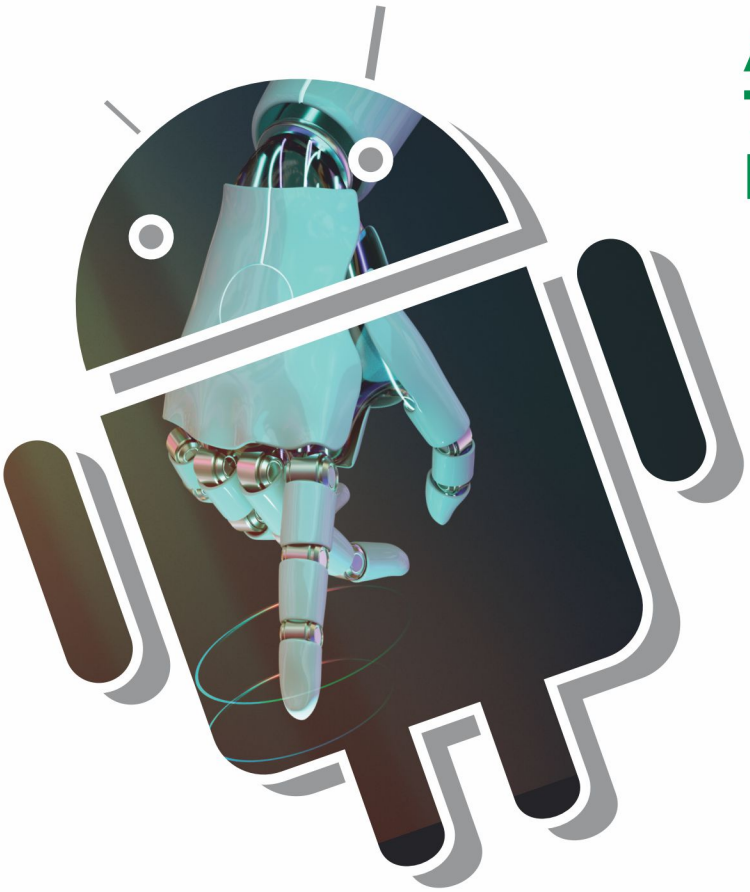
OUR TEAM

VALLIKKATT ENGINEERING PVT.LTD. Has a team of highly qualified and competent professionals that are headed by an experienced management. We have high quality manpower possessing Vigor, expertise, and skills. We conduct internal induction programs and training modules, which facilitate the process of quick career growth. Our dynamic, highly- skilled and enthusiastic team, and work hard to maintain excellence in the services we deliver. We are a highly motivated team, focused on ensuring that every engagement meets the needs of our principals.

CUSTOMER SERVICE

We believe in working effectively and efficiency to deliver products that fully satisfy our customers need. Known for technical expertise and best customer service, quality products we have gained trust and support of our client that forms the base of our growth. Vallikkatt Engineering has resulted in maintaining many venerable customer relationships worldwide. Our reliability quotient comprises of our reputation as industries most dependable source, with immense market awareness and foresightedness that is servicing every need of the customer.





ADVANCED TECHNOLOGY AND ROBUST DESIGN

Vallikkatt is having in house facility of design engineering with international design codes, standards, Well equipped with ultra-modern CAD/CAM facilities, tools, and facilities for prototype plant development with certified and competent experienced team of engineers to analyze and supervise every Job, we are a one-stop-solution provider for different industrial needs. Our teams of designers are capable of manufacturing products according to the specifications of the clients. Understanding the requirements of different industries, we design equipment that ensure better performance and yield maximum advantage to the clients. As well as our products are always equipped with the latest technology and designs to make sure our customers get the world class quality products.

QUALITY AN INTEGRAL PART

Quality has always been the bedrock of success for Vallikkatt Engineering Pvt. Ltd. We continuously introspect and improvise our quality processes, procedures, and practices to ensure that we do it right the first time, every time. Delivering products and services that meet client requirements, on time and within budget is one of our main objectives. Every equipment that is manufactured in our facilities is a custom built with unique dimensions and applications. However, with proven procedures and rigorous discipline, attention is given to every small detail to match best standards to fabrication. Having a systematic quality documentation procedure, our skilled and dedicated team of quality personnel carry detailed inspections through the various phases of manufacturing thereby ensuring a high-quality product that meets the customer's requirements. To ensure high quality levels we at Vallikkatt Engineering have developed a separate section fully equipped with advanced testing equipment and machinery. Vallikkatt have independent quality control set up with a team of qualified engineers, headed by quality in-charge daily reporting to management. The quality team maintains a well-groomed collection of instruments and gauges and control calibration of the same. The team also spread concept of quality throughout the organization with regular training to workers and staff. The quality team maintains not only routine and consistent checks of every product but also carries out in-process validation as well as identifies improvement in work areas. We conduct specific tests on each product so that our clients get the best value for their money.



MANUFACTURING UNIT



Our manufacturing unit is built in an area of 21,500 sq. feet and is technologically upgraded to meet the different requirements of the clients. With a state-of-the-art manufacturing unit, we are committed to achieve the set targets. We have separate sections for the different production processes like Components manufacturing, Machine shop, Tool Room, Moulding Room, Testing shop, Heavy fabrication bay, Light Fabrication Bay, Painting, Assembling, etc. with a Team of Machinists, Welders and Technicians Highly experienced and motivated team members working together to make your product of the utmost quality in mind. All welders are certified and all welding is performed using weld procedures that have been verified to meet all standards. The unit is well equipped with advanced production machines and necessary facilities that support us to manufacture the products in large quantities ranging from one Metric Ton to 100 Metric Ton

LOCATION

Production facilities strategically located at D.P Ananthapuram, Kasargod District, Kerala 50KM from Mangalore Seaport & Airport. Our facility is conveniently located close to some major national highways, ensuring smooth logistic operations by road. It also has easy access to all the major sea ports in the West of India. Our dedicated logistics team further ensures the seamless movement of equipment's from our unit to our client's site, anywhere across the world



CONVEYOR OPERATED HIGH CAPACITY DIPPING PLANTS

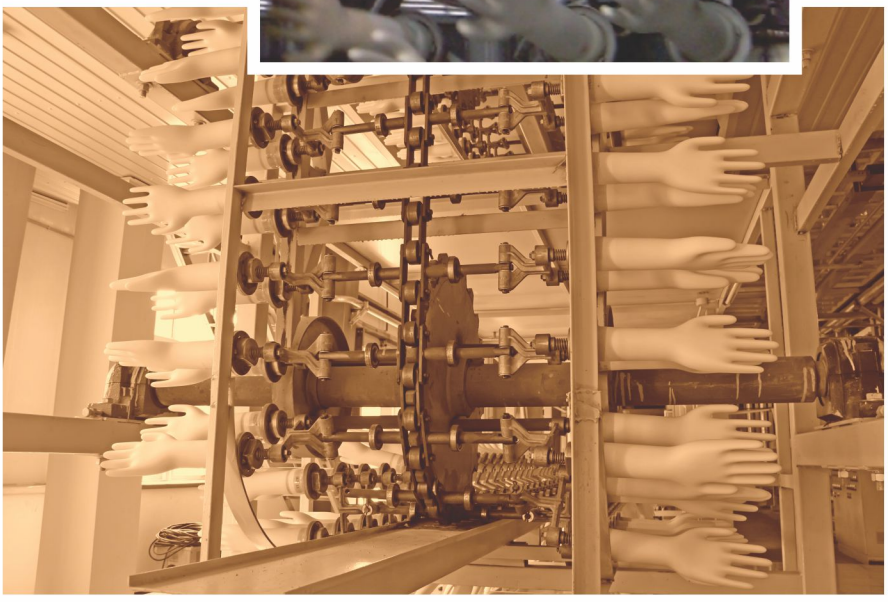


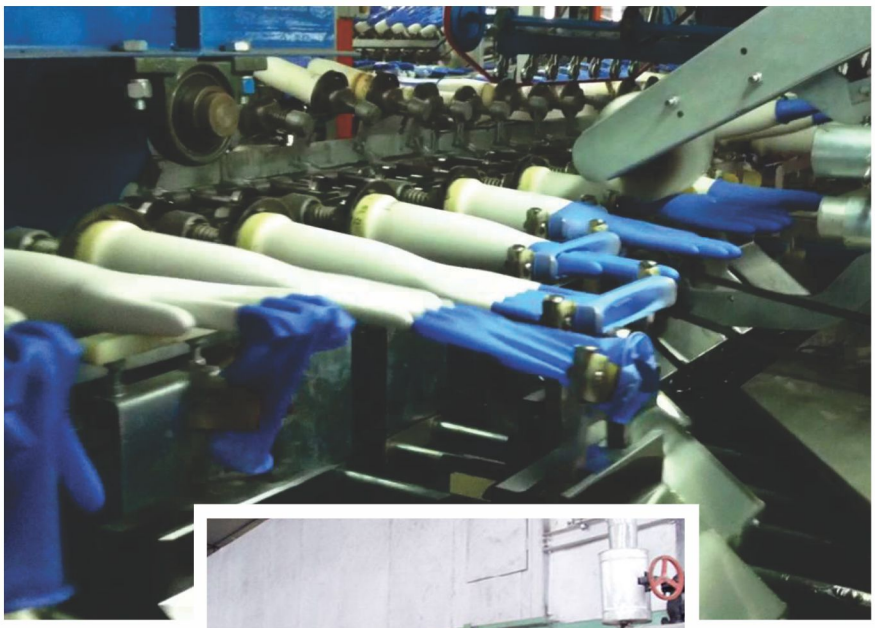
Vallikkatt, design and fabricate high capacity conveyor operated dipping plants for examination gloves with a production capacity of one million pieces per day and surgical glove dipping plants with a production capacity of ¼ million pairs per day. We also manufacture balloon dipping plants with a production capacity of one and half million pieces per day and condom dipping plants with a production capacity of one thousand six hundred gross per day.

DOUBLE FORMER SURGICAL AND EXAMINATION GLOVE DIPPING PLANTS

Vallikkatt manufacture and supply conveyor operated double former dipping plants which can produce up to 10000-40000 examination glove pieces per hour and 7000-12000 surgical glove pairs per hour. Our double former machines are highly fuel and energy efficient with minimum labor requirement. The modified designs ensure trouble free operations in the longer run.









SINGLE FORMER HIGH SPEED DIPPING PLANTS

Vallikkatt manufacture and supply conveyor operated single former high speed, energy efficient machines with exceptional cleaning and fuel efficiency which can produce 4000-7000 pairs of surgical gloves per hour.

LONG SLEEVE GYNAECOLOGICAL GLOVE DIPPING PLANTS

Vallikkatt design and fabricate both conveyor operated and batch type long glove dipping plants which can produce 22 inch gloves with a production capacity of 20,000 to 40000 pairs per day





HOUSEHOLD AND INDUSTRIAL GLOVE DIPPING PLANTS





Vallikkatt design and manufacture both conveyor operated and batch type house hold and industrial glove dipping plants suitable for dipping natural, nitrile and neoprene latex as well as household gloves with cotton flock linings all with a production capacity of 20,000 to 40,000 pairs per day.

SUPPORTED INDUSTRIAL GLOVE DIPPING MACHINES

Vallikkatt design and fabricate both conveyor operated and batch type supported industrial gloves for palm dip and full dip, stitched and knitted cotton gloves with natural nitrile and neoprene latex.





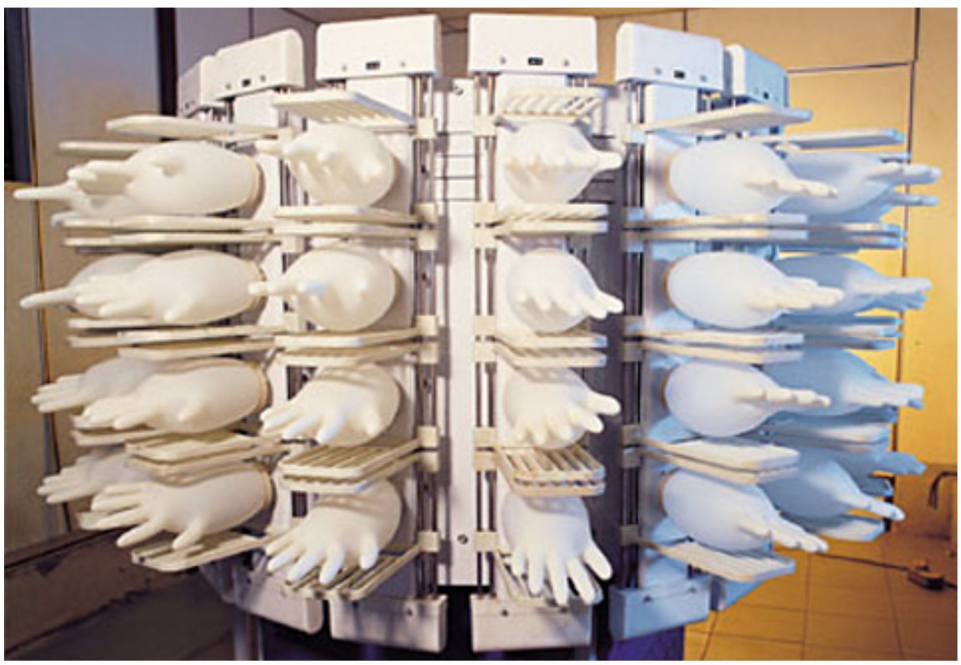


AUTOMATED STRIPPING MACHINE FOR GLOVES

Vallikkatt has designed and developed fully automated stripping robotic devices for surgical and examination gloves which can reduce man power requirements.

AUTOMATED PIN-HOLE TESTING MACHINE

Vallikkatt has developed an automated pin hole testing equipment which tests pin holes with pre determined air pressure and segregate good and bad quality gloves in different bins.





CONDOM DIPPING PLANT

Vallikkatt has one of the best condom dipping plants which is 38 meter in length, 1.5 meter in width with a production capacity of 9600 pieces per hour. It has automated former washing system, automatic beading system, infrared heating or bio fuel heat exchanger, hot air heating system and automatic level control, utilities saving systems, automatic striping with water jet or double brushes. The machine records all production and data by PC.

ELECTRONIC CONDOM TESTING MACHINE DRY-TYPE

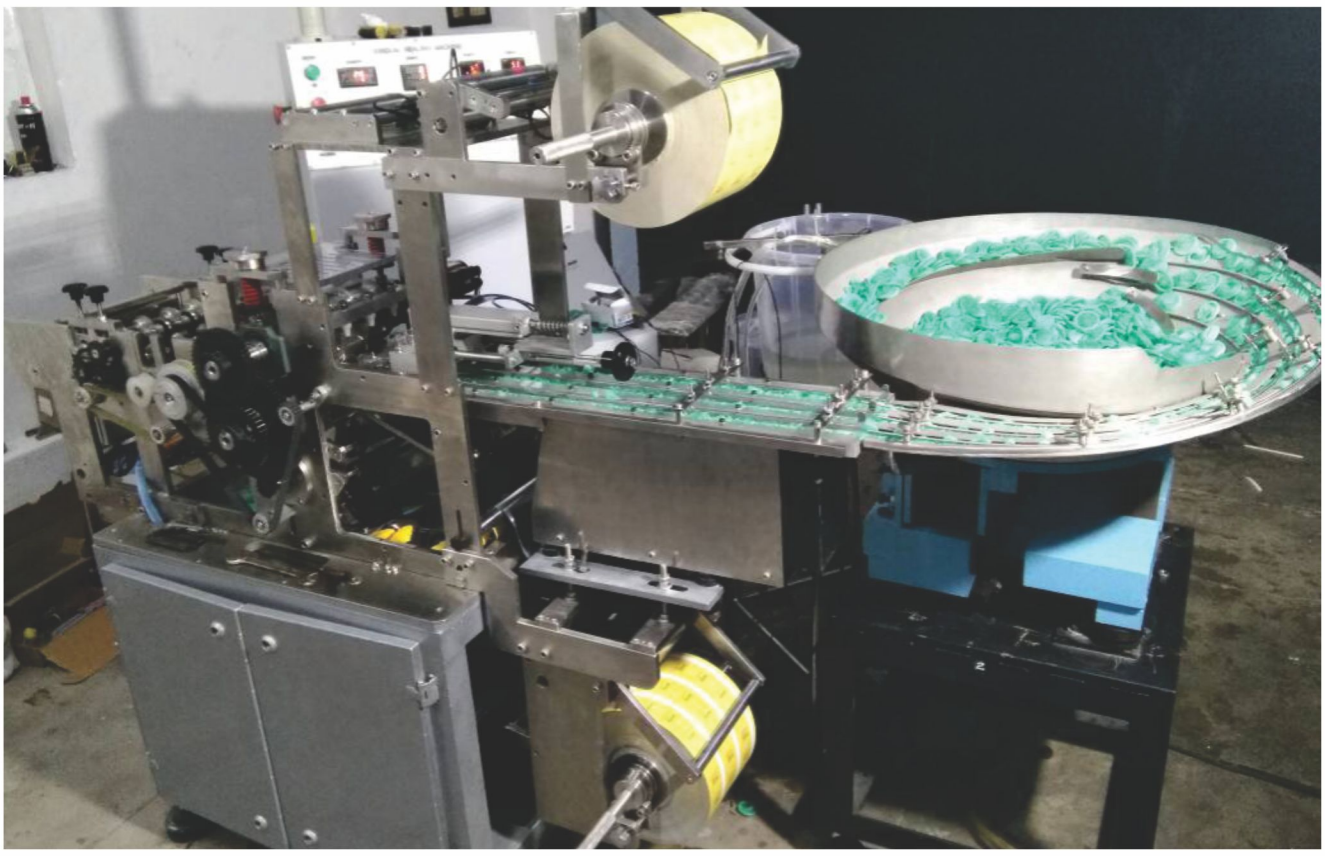
Vallikkatt successfully developed high voltage dry electronic testing machine for condoms of thin spots and pin holes that roll them up and sort them to good and rejected. The machine can test 76-88 pieces per minute at a test voltage of 900-3000v, provided with chrome plated test mandrels at apower supply of 230-400v, 50 Hz motor load 0.8 KW. Speed of machine is mechanically adjustable. Software and interface connected to a PC for data recording.





CONDOM SQUARE FOIL SEALING MACHINE

Vallikkatt manufactures condom foil sealing machine with three line square sealing at a time and with symmetrical automatic bowl feeder. Outer dimensions 2000x1000x1500 mm. Capacity of 120-125 pieces per minute. It also incorporates programmable 2 in 1 cutting system with zigzag perforation. The additional features include no product sensor to avoid empty packet sealing. The sealing temperature interlock system also provide silicone oil detection system or no lubricant alarm and an eye mark system by servo motor for top and bottom foil. Another feature is the traveler for online printing by ink jet printer, controlled by servo motor but without an inkjet.





BALLOON DIPPING PLANTS

Vallikkatt design and manufacture both conveyor operated continuous and PLC controlled batch type continuous balloon dipping plants. Conveyor operated balloon plants holds a capacity of one million balloons to two million balloons per day. The balloons produced are of high quality and attractive varieties.

BATCH DIPPING PLANTS FOR BALLOON, FOOT BALL BLADDER AND FINGER COATS

Vallikkatt manufacture conveyor operated PLC controlled fully-automated batch dipping plants which can produce high quality, decorative balloons and party balloons. Our machines for finger coats are computer operated with production data available to PC.







COMPONENTS

Vallikkatt conveyor chain links are made with high quality alloy steel apt for gloves, condoms and balloon dipping plants. Multiple designs such as double former chain, single former chain, gynaec and industrial glove line chain.



FORMER HOLDERS

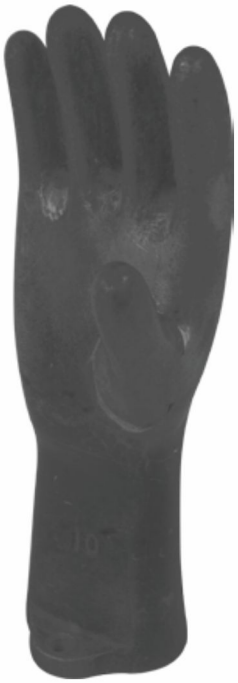
Vallikkatt manufactures former holders with high quality fiber polymer composite material or aluminium or stainless steel for prolonged trouble free service.







FORMER FOR BALLOONS AND FINGER COATS



Vallikkatt formers are made with special plastic blends, powder polished to give better finish to toy balloons and aluminium formers for supported gloves designed to suit faster production of supported knitted and stitched gloves.

ATTRITOR

Vallikkatt wet grinding batch type attritors are suitable for grinding highly viscous materials and also for preparing suspended colloids such as latex, chocolate, nut, paste, paint, etc. They are provided with a circulation pump for discharging the end product from grinding chamber, gear tilting assembly facilities for easy removal of agitator shaft for cleaning.
The principle of circulation series is that the high circulation pumping rate which forces the entire contents to pass through the attritor several times per hour resulting in faster grinding and narrower particle size distribution.



Technical specifications

Capacity	Tank volume ltr	Slurry volume ltr	Media Kg	Motor HP	Agitator RPM	AODP	Floor pace
VATTR50	50	24	45	5	130	-	51x103
VATTR100	100	50	90-100	5-7.5	125	-	60x136
VATTR200	200	100	180-200	10	110	Provided	76x159

INDUSTRIAL DRYING TUMBLER



Vallikkatt manufacture industrial drying tumbler specially designed for rubber industry. Front loading open pocket large die-pressed powder coated door, stainless steel inner basket, out body double walled glass wool insulated. Centrifugal high suction power full blower, Automatic control panel for auto reverse/forward, auto digital temperature control functions, heating system in electric, steam, thermic fluid, indirect oil or gas firing with cool down feature also.



MODEL	CAPACITY	BASKET SIZE	DRIVE MOTOR	AIR DELIVERY	LOADING DOOR OPENING	HEATING OPTIONS				OVER ALL DIAMENSIONS	NET WT SHIPPING SIZE VOLUME
		VOLUME	BLOWER MOTOR	AIR OUTLET		STEAM CONNECTION	ELECTRIC	THERMAL CONNECTION CONSUMPTION	INDIRECT DIESEL FIRED CONSUMPTION		
VDT30	30	950ØX950	.75KW	1500 FT^3/HR	640	15Ø (.5" BSP) 40 KG/HR	18-24 KW	.5"X.5 "BSP 1500 KCAL/HR	1.5-2 LTR PER HR	1050X1540X1980	600 Kg/825Kg 1350X1840X2180 5.4 M^3
		670 LTR	.75KW	225Ø							
VDT60	60	1250ØX990	1.5 KW	3000 FT^3/HR	750	20Ø (.75" BSP) 60-80 KG/HR	36-48 KW	1"X1" BSP 4000 KCAL/HR	2.5-3.5 LTR PER HR	1350X1690X2300	600 Kg/825Kg 1350X1840X2180 5.4 M^3
		1214 LTR	1.5 KW	300Ø							

HEAT EXCHANGERS



Vallikkatt manufactures finned tube heat exchanger suitable for steam or thermic fluid fins made with aluminium or CRCA steel, suitable for heating from ambient to as high as 250°C.



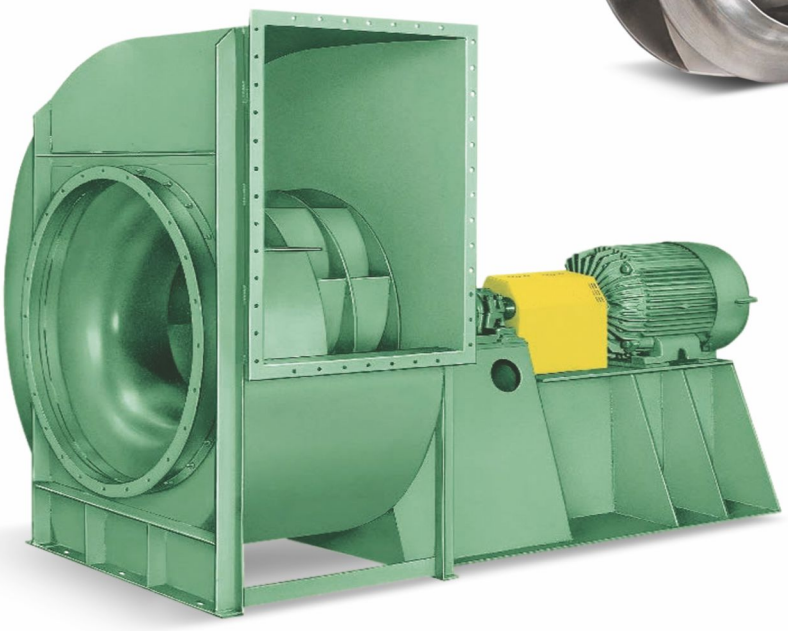


CENTRIFUGAL FANS

Vallikkatt manufactures centrifugal fans suitable for ovens to handle large volume, relatively clean air at low to moderate pressure. Air flow from 690 to 277500 CFM and static pressure to 20"WG.







TANKS

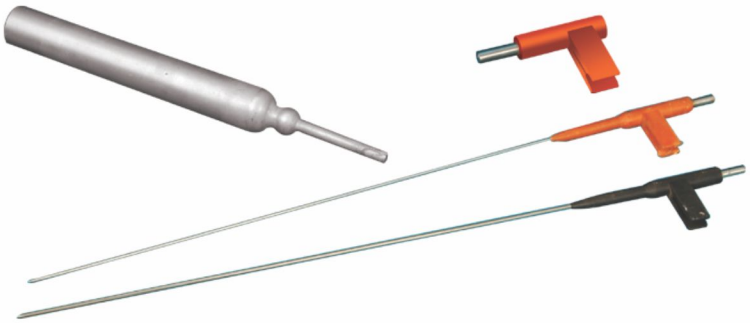
Vallikkatt fabricate stainless steel tanks with cooling and heating jackets and thermic fluid pipes and stirrers suitable for pre-vulcanization, maturation compounding and storage of latex and chemicals with capacities ranging from 100 to 20000 liters.





PLANT AND MACHINERY FOR CATHETERS

Vallikkatt designs and fabricates plant and machinery for catheters including hydraulic dipping stations, catheter formers, balloon formers and leach plates.



VALLIKKATT®
ENGINEERING PVT.LTD

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