



Shredding Applications

Agro Waste
Textile
AFR
FRP
MSW

Electrical Waste
Biomass

Electrical Wires
Rice Paddy Straw
Pharmaceuticals
Sugar Cane Trash
Laminates
Cotton Stalks

Tyres
Gunny Bag
Card Boards
Ionic Polymer

Hazardous Waste
Plastic

Pet Bottle
Medical Waste

Aluminum Cans & Bins
E-Waste

Containers
Industrial Waste

Hotel/Kitchen Waste
Rubber

Animal Bones
Automobiles Waste
Any other type of Waste



THE NEW BENCHMARK OF
SHREDDING
EXCELLENCE



Alfa Therm Limited

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THREE DECADES OF ENGINEERING EXCELLENCE

Over 3 fruitful decades, Alfa Therm has emerged as a leading manufacturer and engineering company providing integrated design, supply, installation and project management services for waste incineration, solid waste management, size reduction, process heating and environmental sector solutions. Spreading its famed expertise to the recycling industry on an international scale, it also builds, designs and commissions turnkey Medical waste incineration plants, Scrap, RDF, MSW and Tyre recycling facilities.



WE ARE ALFA THERM

The entity boasts of various consolidated business verticals spread through Process Heating, Waste Incinerators, Air Pollution Control Equipment, Municipal Solid Waste Management, Shredding and Contracts Manufacturing. Adding not just years of experience, but also more feathers to its illustrious cap through the delivery of high quality products, ensuring optimum levels of product satisfaction.

With the pulse on creating innovative and cost-effective solutions for the most challenging environments, Alfa Therm products harp on the need to incorporate the latest design technology and are built according to the highest standards. Driven by the ability to execute projects across diverse industries and economies, it boasts of a proven track record in mobilizing resources, making it the preferred supplier for critical projects.

WHAT DRIVES US

With an eye for engineering innovation and high-quality manufacturing, Alfa Therm's vision is to become a reputed engineering company to consistently deliver quality while earning competitive returns. By providing appropriate solutions in Environment, process heating and waste management segment, it is in pursuit of continuous improvement and upgradation.

INFRASTRUCTURE

Spread over an area of 125,000 sq. feet, its up-to-date manufacturing plant in Kundli (Haryana) India is well equipped with latest mechanical equipments for proper material handling and fabrication. Keeping in sync with the changing times, it has consistently maintained highest levels of engineering quality.



Alfa Therm Limited has enhanced its manufacturing capacity by adding large sophisticated CNC machines and advanced tool room to meet the high quality norms of its rapidly growing foreign customer base.

All major supplementary manufacturing facilities are in-house and is done on CNC machines. Fabrication machines include several plazma cutting, laser cutting and all the different types of bending, welding equipment technology and surface preparation. Not to forget, it also houses the latest CAD centre for designing. Alfa Therm focuses on developing cost effective and reliable solutions for its customers and new product development is a continuous ongoing process with the strong integrated R&D Division.



TECHNOLOGY AT THE CORE

The Twin shaft shredders can be flexibly configured to any desired purpose and boast of a low-energy design with minimal maintenance requirements. The shredders allow the knives to be used more efficiently per rotation. An optimized control unit also contributes towards that goal, meaning the machines are ideal for shredding Refuse Derived Fuel and all other kinds of municipal, industrial and commercial waste.

SATISFIED CLIENTS

Looking ahead, its expanding list of clients reflects its ability to execute challenging projects, despite all odds. Difficult weather or terrain has been no deterrent to the team which brought accolades to the company. Reaching out far and wide to deliver. Not just that, as a true reflection of its international quality standards, manufacturing and project management techniques, Alfa Therm holds ISO 9001:2008 and OHSAS 18001:2007 certification.



THE GLOBAL PLAYER

Today, it has its presence in Kingdom of **Saudi Arabia, UAE, Syria, Lebanon, Azerbaijan, Afghanistan, Germany, Hungary, Iraq, Libya, Sudan, Kenya, Congo, Cyprus, Namibia, Mauritania, Tanzania, Liberia, Sierra Leone, Guinea, Nigeria, Honduras (Central America), British Virgin Islands, Seychelles, Maldives, Sri Lanka, Bhutan, Bangladesh, Nepal, Vietnam, Brunei, Fiji, New Zealand, Ethiopia and a lot more...**

STAY AHEAD WITH ALFA THERM SHREDDERS

By manufacturing and supplying the world's best technologies at an affordable cost, Alfa Therm Limited brings forth its Ultra Heavy (High Performance) model shredders, which are extremely efficient universal shredders for processing RDF and other materials.

Over the years, Alfa Therm Shredders have proved their mettle with their proven performance, high reliability, operating costs, low maintenance and being absolutely user-friendly. Designed for continuous operation, its technology meets the operating needs of today's companies. Moreover, they provide optimal flexibility for serving various industries that allow companies to process waste more efficiently.

ULTRA HEAVY SERIES TWIN SHAFT SHREDDERS



Alfa Therm twin shaft series shredders

are designed to operate at slower speeds, utilizing high torque and the tearing, crushing and shearing actions between counter rotating, opposing blades. This results in minimal power consumption and reduced noise when compared with other types of shredders, still achieving high throughput rates and maintenance costs. These machines are particularly suited to the size reduction of bulky materials. Machines are supplied complete with electrical control panel, and are guarded to prevent access to moving parts therefore ensuring safe operation.

Our twin shaft shredders are robust and rugged machines with high throughputs. Key features of these shredders include less material preparation, safe to operate, very low vibration, lower dust and noise thus offering a safer work environment, lower risk of projectiles from the cutting chamber, longer life to the cutters and entire equipment, higher online reliability and lower power requirements.

TECHNICAL SPECIFICATION : ULTRA HEAVY SERIES TWIN SHAFT SHREDDER			
MODEL	UHT-10/200	UHT-15/300	UHT-20/400
CUTTING CHAMBER	900X1250MM	1100X1450MM	1100X1860MM
FEEDING SYSTEM	MANUAL/CONVEYOR (OPTIONAL)		
SHAFT	HEXAGONAL SHAFT 2 NOS.		
DRIVE	ELECTRICAL / HYDRAULIC AS PER CUSTOMER REQUIREMENT		
ACCESSORIES	STRUCTURE BASE FRAME, FEED HOPPER, INSPECTION PLATFORM WITH LADDER		
CONTROL PANEL	PLC / VARIABLE FREQUENCY DRIVE EQUIPPED CONTROL PANEL		
AUTO REVERSE SYSTEM	PROVIDED		
ELECTRIC LOAD (KW)	150 KW	225 KW	300 KW

HEAVY SERIES TWIN SHAFT SHREDDERS



TECHNICAL SPECIFICATION : HEAVY SERIES TWIN SHAFT SHREDDER			
MODEL	HT-1/80	HT-3/120	HT-5/150
CUTTING CHAMBER	555X783MM	700X853MM	700X1100MM
FEEDING SYSTEM	MANUAL/CONVEYOR (OPTIONAL)		
SHAFT	HEXAGONAL SHAFT 2 NOS.		
DRIVE	ELECTRICAL / HYDRAULIC AS PER CUSTOMER REQUIREMENT		
ACCESSORIES	STRUCTURE BASE FRAME, FEED HOPPER, INSPECTION PLATFORM WITH LADDER		
CONTROL PANEL	PLC / VARIABLE FREQUENCY DRIVE EQUIPPED CONTROL PANEL		
AUTO REVERSE SYSTEM	PROVIDED		
ELECTRIC LOAD (KW)	60 KW	90 KW	110 KW

MEDIUM SERIES TWIN SHAFT SHREDDER



TECHNICAL SPECIFICATION : MEDIUM SERIES TWIN SHAFT SHREDDER			
MODEL	MT-250/20	MT-350/30	MT-500/40
CUTTING CHAMBER	442X545MM	545X643MM	555X732MM
FEEDING SYSTEM	MANUAL/CONVEYOR (OPTIONAL)		
SHAFT	HEXAGONAL SHAFT 2 NOS.		
DRIVE	ELECTRICAL / HYDRAULIC AS PER CUSTOMER REQUIREMENT		
ACCESSORIES	STRUCTURE BASE FRAME, FEED HOPPER, INSPECTION PLATFORM WITH LADDER		
CONTROL PANEL	PLC / VARIABLE FREQUENCY DRIVE EQUIPPED CONTROL PANEL		
AUTO REVERSE SYSTEM	PROVIDED		
ELECTRIC LOAD (KW)	15 KW	22 KW	30 KW

LIGHT SERIES TWIN SHAFT SHREDDER



TECHNICAL SPECIFICATION : LIGHT SERIES TWIN SHAFT SHREDDER				
MODEL	LT-10/3	LT-20/5	LT-50/7.5	LT-75/10
CUTTING CHAMBER	205X230 MM	225X345MM	285X430MM	285X515 MM
FEEDING SYSTEM	MANUAL/CONVEYOR (OPTIONAL)			
SHAFTS	HEXAGONAL SHAFT 2 NOS.			
DRIVE	ELECTRICAL			
ACCESSORIES	STRUCTURE BASE FRAME, FEED HOPPER & SHREDDED MATERIAL COLLECTION TROLLEY			
CONTROL PANEL	PLC / VARIABLE FREQUENCY DRIVE EQUIPPED CONTROL PANEL			
AUTO REVERSE SYSTEM	PROVIDED			
SAFETY	SHREDDER STOPS WHEN FEED HOPPER OPENS			
ELECTRIC LOAD (KW)	2.2 KW	3.7 KW	5.5 KW	7.5 KW

SINGLE SHAFT SHREDDERS



Alfa Therm single shaft shredder is used in recycling operation for the production of valuable secondary raw materials. Alfa Therm SS series shredders are single shaft shredders which are powerful, very versatile and be used for shredding of all kinds of input materials and well suited for different industries. The single shaft shredder reduces all cut-able material to a particle size.

MODEL	SS-300 / 5	SS-700 / 20	SS-900 / 40	SS-1300 / 50	SS-1600 / 75
ROTOR DIA	250	350	350	350	350
ROTOR LENGTH	300	700	900	1300	1600
INFEED OPENING	300X900	705X1150	905X1250	1305X1250	1605X1500
MOTOR POWER	3.7 KW	15 KW	30 KW	38 KW	56 KW
THROUGHPUT SIZE	AS PER CLIENT REQUIREMENT. STANDARD SIEVE - 40 MM				
OVERALL LENGTH	2100	2600	2800	2800	3100
DIMENSION WIDTH	1200	1700	1900	2400	2800
HEIGHT	1500	1700	1900	2000	2100