



"At it's heart,
ENGINEERING is about using
science to find **CREATIVE** practical
SOLUTIONS."





About us

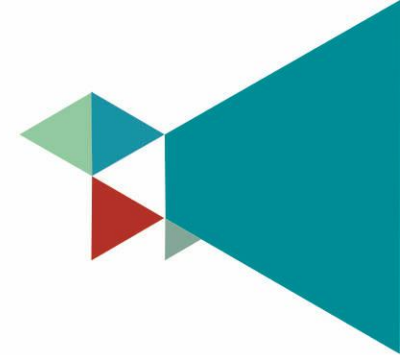
MAHASHAKTI ENGINEERING is a rich blend of energetic qualified Engineers, Professionals and team with practical experience strong enough to hold and carry challenges of the project design. Company strength is "our Team" enriched with supportive culture positive attitude. Team is always ready to meet the new challenges of today and tomorrow.

The team believes not only in the management of technology, but to revolutionize it. MAHASHAKTI ENGINEERING is AN ISO CERTIFIED COMPANY.

It's growing stronger every year and offering a complete range of solution for Sugar Factory and Sugar Refinery. We have successfully supplied and executed boiling house in India and Nepal on turnkey basis. Company established in 1980 by Late, H.S. Rahi as a single unit MAHASHAKTI ENGINEERING COMPANY. The Company has grown up with a vision and the mission to provide excellent services to India's sugar industries by providing them good quality material and timely delivery. The company has grown up under the dedication and hard work of Mr. RAVI RAJ SINGH and Mr. PAWAN KUMAR SINGH, the key member of the company and sons of Late H.S. RAHI, the company now has become a large organization. Company worked with many sugar mills, EPC project and export companies. Mahashakti has supplied equipment's inspected by third party such as SGS, Llyods Veritas and buyers engineer inspection. During the course of time all three workshop of total 80,000 Square feet manufacturing area upgraded in the factory buildings/floorings and machineries are being added and it will be a continuous process with targeted growth in international market. Mahashakti has delivered many sugar process equipment like evaporators, juice heaters, crystallizers, boiling pans, vertical cooling crystallizers to companies and Milling equipment's as Fibrizor, Cutters, Cane Carrier and Inter carrier etc. to Companies like ISGEC, sugar mill in India like Balrampur, Vijaynagar, Birla, Dhampur, Daurala, Modi, Simbhaoli, Tikaula Etc and factories in Gujarat. Mahashakti also manufacturing equipment's for sugar refineries to various clients includes, Phospho-flotation, Carbonation, Deep bed filters and IEX columns. Mahashakti has close association with nearby other industrial units for casting and forging the mill parts. Our product's are appreciated by sugar group in INDIA and OVERSEAS. We are supplying our product in INDIA, NEPAL, PHILIPPINES, ETHIOPIA, UGANDA, BANGLADESH, and ZIMBABWE, Etc. the company has its own designs and wing department and manufactures sugar mill plants, boiling house and refinery plant. Company has the capability of manufacturing sugar plant on turnkey basis.



AGAIN, A GREAT TEAM EFFORT TO CREATE THE WIN.



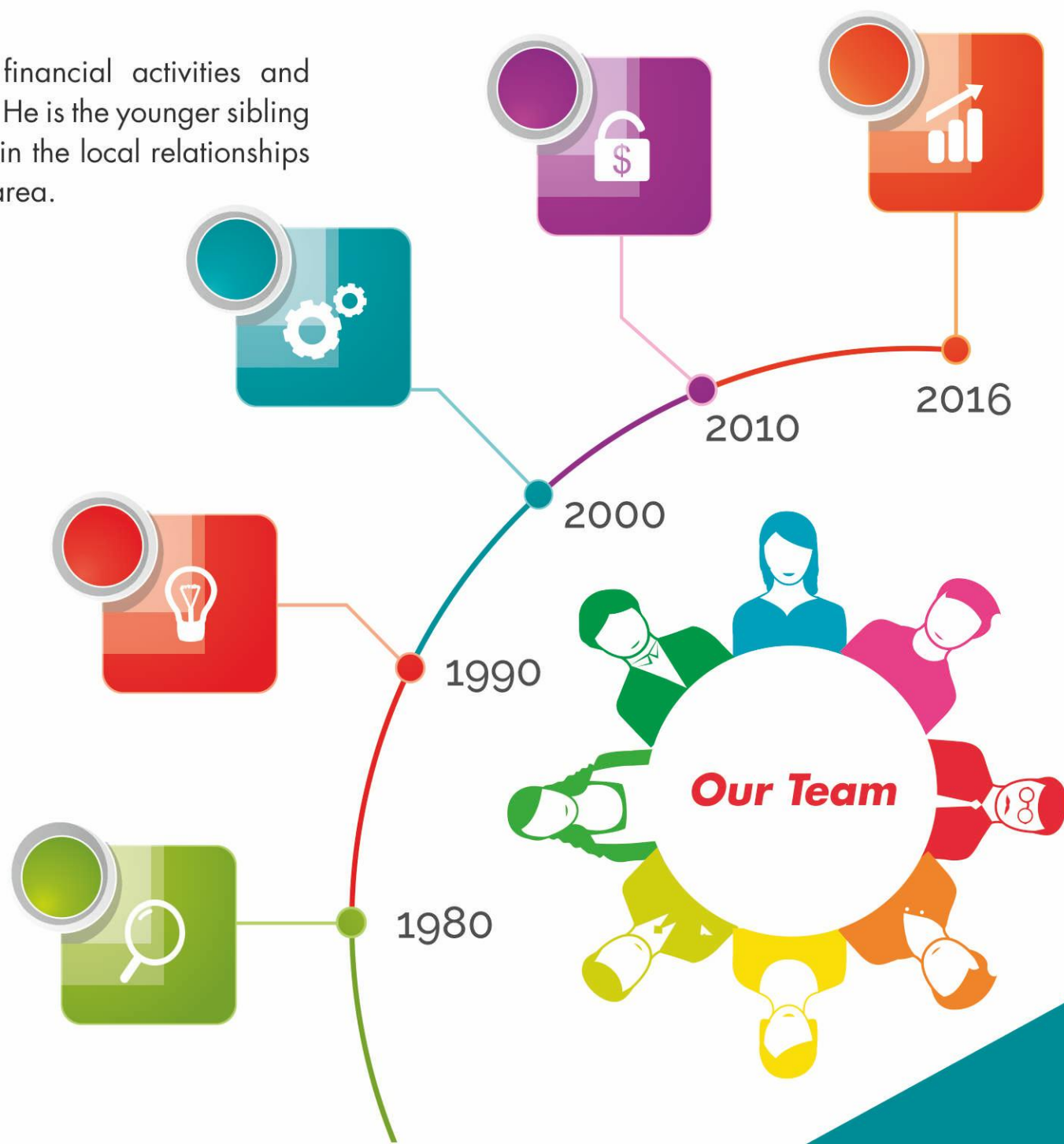
Mr. Raviraj Singh is heading the production total business activities of Mahashakti. He has developed strong relationship in Indian sugar Industry since last three decades. He has in depth experience of manufacturing and fabrication. Apart from that have excellent respect in the Sugar Industry area, relationship with workers and contractors. **Raviraj Singh (Director)**

Mr. Pawan Singh is heading the financial activities and customer payment follow up activities. He is the younger sibling of Raviraj Singh and he also maintain the local relationships and other social activities in Industrial area.

Pawan Singh (Director)

Mr.Digvijay is having a degree of business management and he is the third generation in Mahashakti. He has recently started in business and started building brand and increasing the marketing efforts for the company. He has bagged large exports orders and networking with customers in India and abroad.

Mr. Digvijay Singh



Quality

Mahashakti is synonymous with excellence through an unwavering commitment to the best quality company driven with a policy that covers all aspects of the business processes



MISSION

We achieve our goals through an uncompromising focus on the acquisition and use of latest technologies and, upgrading of human skills providing value.

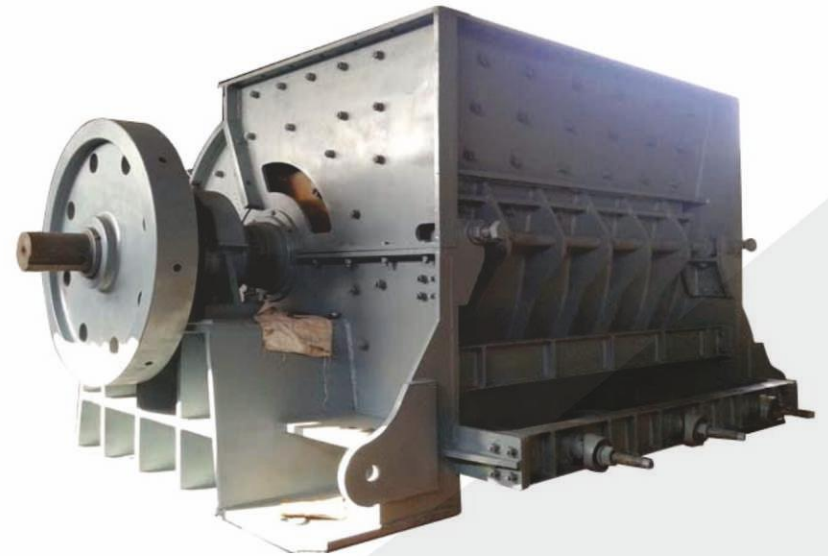
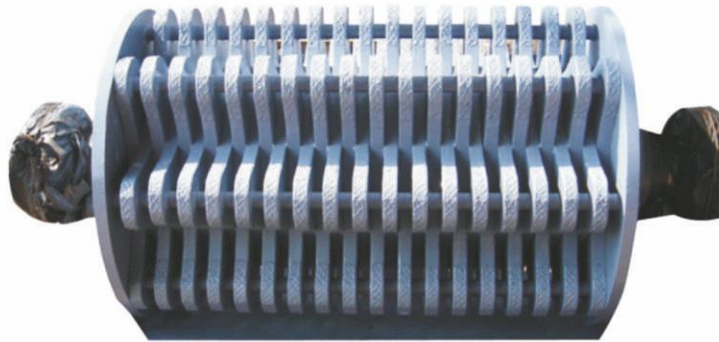
VISION

Mahashakti is respected around the world for, high-performance organization, the products and services offered to meet the highest standards of the quality technology.

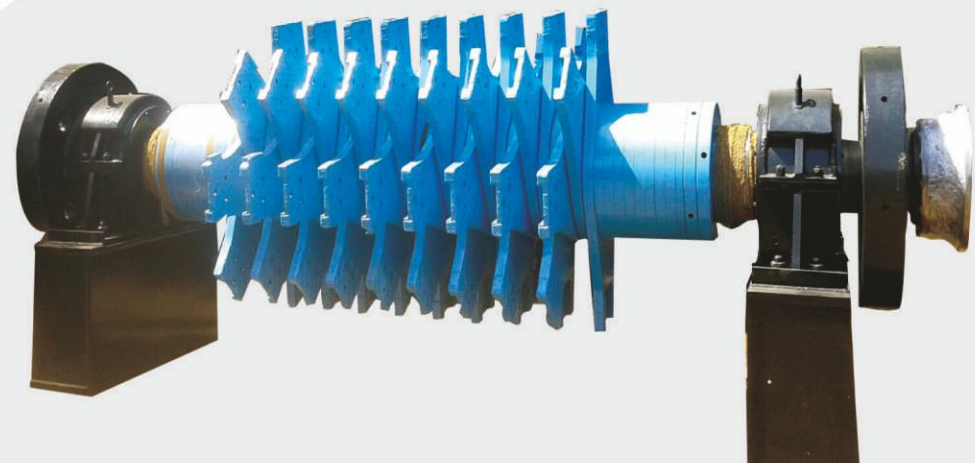




CANE PREPARATORY DEVICE



FIBRIZER



CANE CUTTER





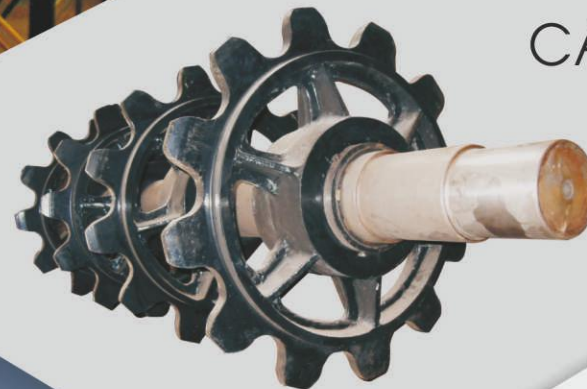
Mill House Equipment

Cane Handling : cane Unloader, Cane & Rake Carriers & Elevators.

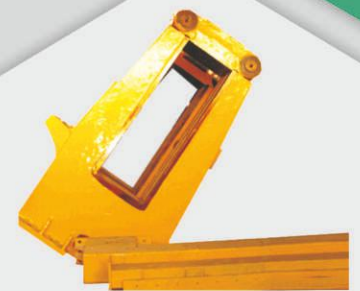
Cane Preparation Equipments :
Shredder, Swing type cane Cutter, Leveller, Chopper and Kicker.

Mill House : Head Stock, Crown Pinion, Tail Bar, Coupling Box, Trash Turner Beam, Trash Plate, Scraper and Bearing Housing.

Pressure Feeder : Toothed Roller Pressure Feeder (TRPF), Grooved Roller Pressure Feeder (GRPF), and Toothed Under feed Roller (TUFR),



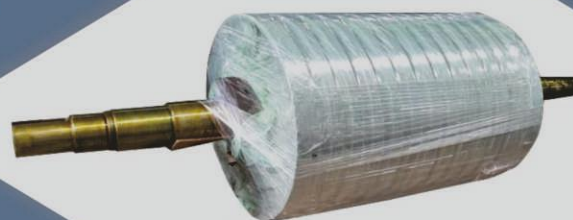
CARRIER



GRPF HEAD STOCK



FABRICATED MILL HEAD STOCK

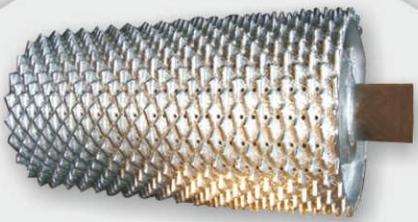


FIBRIZER



TRASH PLATE

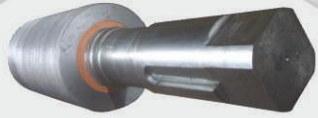




TUFR ROLLER



CANE CHOPPER



MILL ROLLER



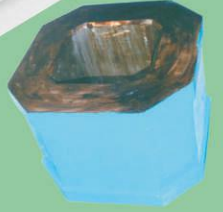
GUN METAL BUSHES



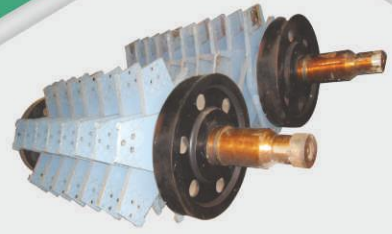
CROWN PINION



SHAFT



SQUARE COUPLING



CANE LEVELLER



TRASH BEAM



BEARING HOUSING FOR SHREDDER



SCRAPER



HYDRAULIC GRAB



SCRAPER PLATE

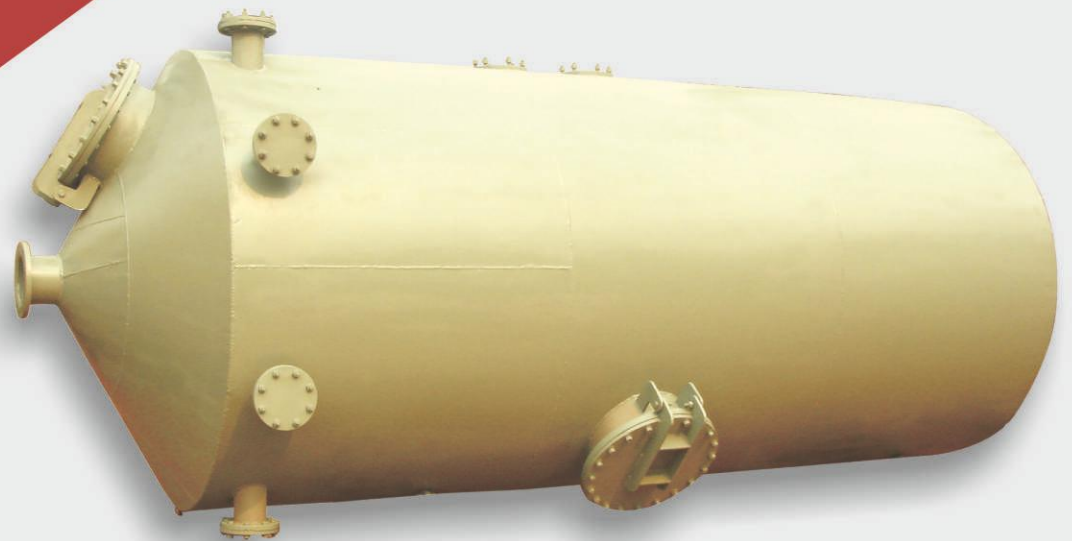




Boiling House Equipment

Juice Heater, Juice and Syrup Sulphitors, Milk of Lime Station, Semi Kestner, Falling Film Type Evaporator, Conventional evaporator Set, Batch type Vacuum Pan, Horizontal and Vertical Crystallizers, Rotary Sugar Drier, Sugar Melter, Magma Mixer, Pugmill, Sugar Hopper and Sugar Elevator, Direct contact Heater ,

Fabrication of Vessels : Tanks, Vessels and other equipments in all type of stainless steel and mild steel construction as per clients, requirements.



JUICE SULPHITOR





JUICE HEATER



VACCUM CRYSTALLIZER



**COOLING COIL FOR
VERTICAL CRYSTALLIZER**



**HORIZONTAL SUGAR
MELTER**



VERTICAL CRYSTALLIZER

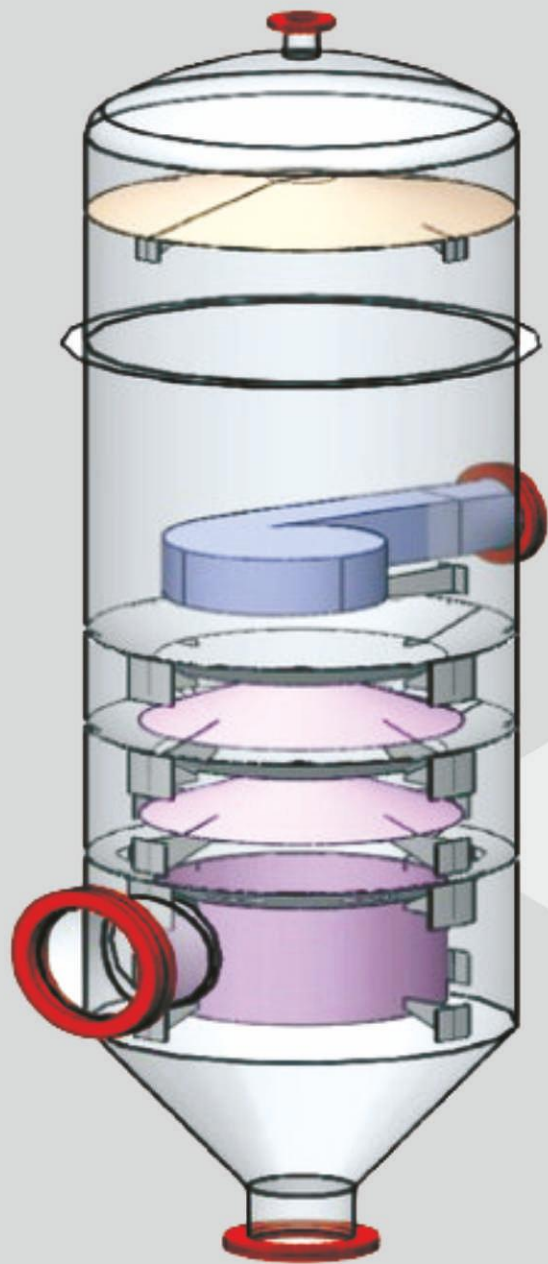


SEMI KESTNER



VERTICAL CRYSTALLIZER





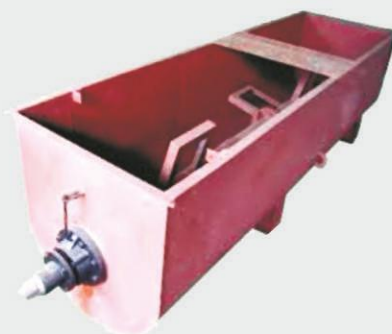
DIRECT CONTACT HEATER



FALLING
FILM EVAPORATORS



TRANSIENT HEATER



PUG MILL



AIR COOLED CRYSTALLIZER



**JUICE HEATER
UNDER FABRICATION**



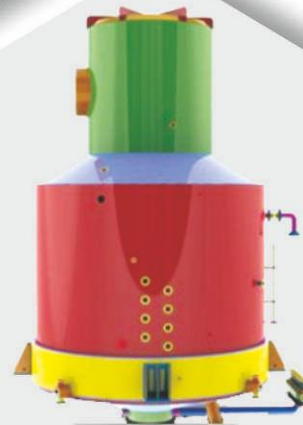
JUICE HEATER



SYRUP SULPHITER



**MOLASSES
CONDITIONER**



VACCUM PAN



**FABRICATED
ANGLE & D.B. VALVE**



SUGAR REFINERY

EQUIPMENTS

- Rotary Cascade Drier
- Carbonation Tank
- SS Ion Exchange Column
- Surface Condenser
- SS Sugar Melter
- SS Cylindrical Crystallizer
- Brine Filter
- Multi Bed Colum
- Static Lime Mixer



SS ION EXCHANGE COLUMN



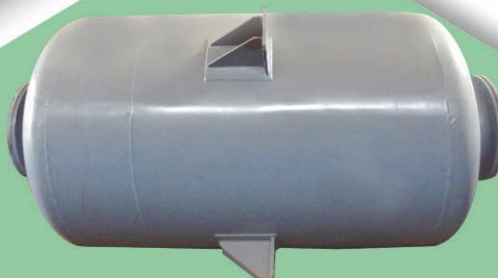
SS VACCUUM CRYSTALLIZER



ROTARY CASCADE DRIER



SURFACE CONDENSER



BRINE FILTER

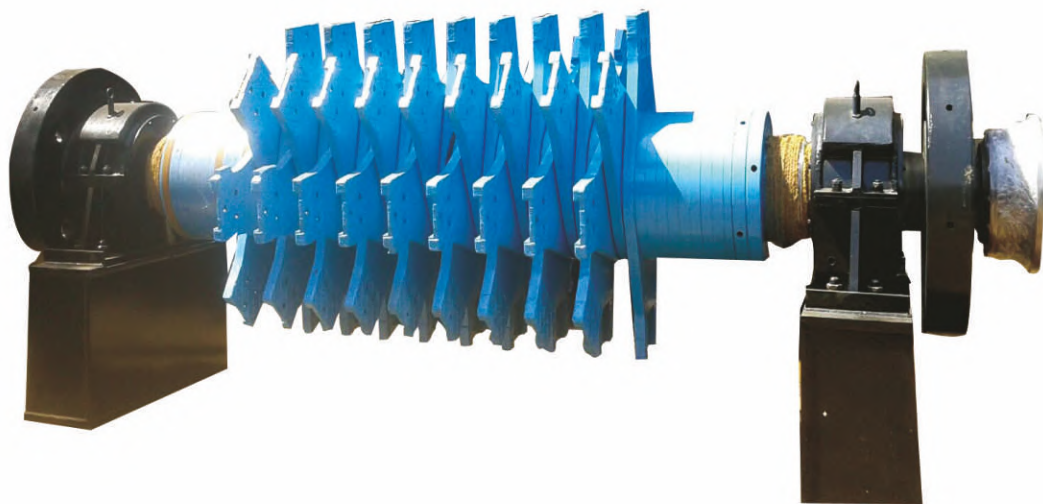


CARBONATION TANK





PROJECT UNDER EXECUTION IN AFRICA

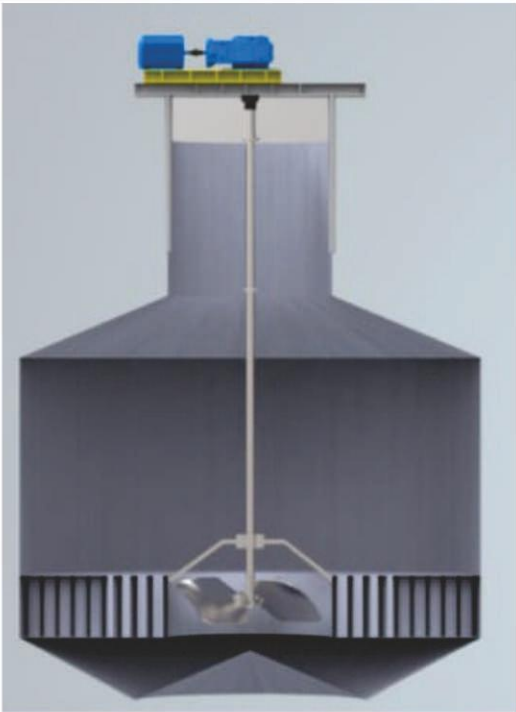


Mechanical/ Pan Circulation

SUITABLE FOR A, B, C MASSEUSE
FOR RAW & REFINE SUGAR.

Advantage

- Sugar Quality Improvement In terms of Crystals size, Purity and Color
- Capacity Enhancement in terms of High Heat Transfer Rate and Lower Strike Time
- Better Heat Economics at Low * T
- Reduced Water Comsumption
- Low Pressure Vapor usage
- Less deposition on Calandria Tubes
- Lower Molasses Purity



Benefits

- Saving Strike time upto 20%
- Increased Pan Capacity 30%
- Increased Heat Transfer Coefficient
- Increased Sugar Production (Tons/Hr.)
- Saving Utilities.

Tank Capacity	30 Tons to 120 Tons
Power	22 kw to 110 kw
Impeller	Wide Blade High Efficiency Hydraulic Class Impeller
MDC - Wetted	SS304/SS409/ms

Top entry mechanical circulation driven by high efficiency load carrying bevel gearbox-motor arrangement mounted On specially designed frames doupled to that supported by guide tripod at bottom. Advanced stuffing box with cooling system designed provided as sealing to avoid the leakages suitable for batch & continuous type pan with all type of bottom shapes.



Shredder Rotor



Anvil Plate



Mechanical Circulator
(Agitator / Impeller / Homogenizer)



MACHINERY & FABRICATION



PLANT & MACHINERY

	Unit No.- 1	Unit No. – 2	Unit No. - 3
1. Total area of factory premises	2200 sq.mtrs	2200 sq.mtrs	5000 sq.mtrs
2. Covered area	2000 sq.mtrs	2000 sq.mtrs	1000 sq.mtrs
3. Facilities at workshop :			
3.1 Cranes :			
a) Overhead E.O.T. Crane at Machine Shop	10 T cap.	40 T & 5 T cap.	-
b) Overhead E.O.T. Crane at Fabrication Shop	20 T cap.	20 T cap.	30 T cap.
c) Mobile Crane	1 no.	1 no.	1 no.
3.2 Power DC Set :			
a) 125 KVA	1 no.	1 no.	1 no.
b) 90 KVA	1 no.	-	-
c) 68 KVA	1 no.	-	1 no.
3.3 Machine Tools (in all three units) :			
Vertical Turning Lathe 3.5 meter		1 no.	
Vertical Turning Lathe 2.5 meter		1 no.	
Vertical Turning Lathe 1.5 meter		1 no.	
Horizontal Boring Machine 100 mm dia		1 no.	
Horizontal Boring Machine 80 mm dia		2 no.	
Radial Drill Machines 65 mm to 102mm		9 nos.	
Dynamic Balancing Machine 10 T capacity		1 no.	
Dynamic Balancing Machine 1 T capacity		1 no.	
Lathe Machine 6',8',10',12',16',20', & 26'		10 nos.	
Planner 10'		1 no.	
Shaper 24" & 36 " stroke		2 nos.	
3.4 Forming , Welding and Cutting (in all three units) :			
Plate Bending Machines 2500 mm width x 25 mm thick capacity		3 nos.	
Plate Bending Machines 2000 mm width x 25 mm thick capacity		1 no.	
Plate Bending Machines 1500 mm width x 16 mm thick capacity		2 nos.	
MIG Welding Set		20 nos.	
Welding Transformer		10 nos.	
Profile Cutting Machine		3 nos.	
Air Plasma Cutting Machines		2 nos.	
Pug Cutting Machine		8 nos.	
CNC Cuiting Machine		1 nos.	



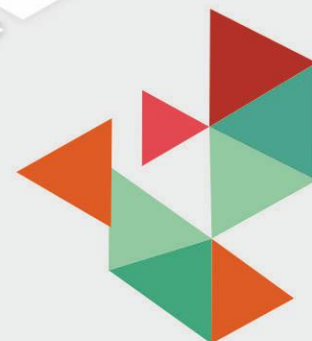
OUR VALUABLE CUSTOMERS



ModiSugar



SBEC Sugar Limited





ENVIRONMENT Mahashakti

Being global requires responding to universal ecological imperatives. This goes beyond technology transfers and public awareness-building measures, to extend to environment conservation programmes, diversified recycling and progressive greening programme of unidentified areas among other things.

Mahashakti envisions a healthy, prosperous world in which societies are forever committed to caring for and valuing nature for the long-term benefit for **IS ENVISIONED MISSION READILY** people and all life on Earth. Mahashakti pollution-free environment and has a set-up of effluent treatment plants and water treatment plant



CERTIFICATION

The Company has been awarded the prestigious ISO 9001:2008 certification from TUV of W Germany.

The Company has achieved a reputation in manufacturing sugar machinery, equipment and parts in the country as well as abroad.





MAHASHAKTI GROUP OF COMPANIES

- MAHASHAKTI ENGINEERING COMPANY
- MAHASHAKTI MACHINE PVT. LTD.

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