



SAISIDHA
SUGAR EQUIPMENT & ENGINEERING Co. Pvt. Ltd.





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DEVDATTA N. BHOSALE
Managing Director

OUR Values

“

Together, let's continue shaping the future of cane sugar engineering, leaving behind a sustainable legacy for the years ahead.

”

A family business since inception, Saisidha is proud to translate into business our values of respect, integrity and accountability. Thanks to this commitment, we have cultivated enduring relationships with our clients and partners.

SAISIDHA's activities contribute significantly to the development of the nations we operate in. The local impact of the projects we deliver for our clients ranges from increasing food security for the local population, to generating numerous employment opportunities, fostering skill development within local communities. The factories we build play a pivotal role in import substitution, aiding countries in preserving vital foreign currency reserves.

OUR Vision

“

We envision a future where our transformative designs redefine sugar industry standards while contributing significantly to a greener, more prosperous global community.

”

Our vision is to lead the evolution of cane sugar engineering with a commitment towards innovation and sustainability. Sugar manufacturers are faced with new challenges everyday: intensive competition and high production costs impose demanding standards on manufacturers. We address these challenges through a performance-driven integrated approach, unique design & patented technology.

Our commitment extends to being at the forefront of the ethanol movement, where sustainable energy solutions seamlessly integrate with our core values, driving a cleaner and more sustainable future for generations to come.



SANJAY N. BHOSALE
Director

ABOUT

Saisidha

WHERE INNOVATION MEETS TRADITION

3

State of the Art
Manufacturing Facilities

100+

Qualified
personnel worldwide

15

MONTHS
Shortest delivery
period for a full plant

★2★

Star Export House
Recognised by the
Government of India

1000+

Equipments
supplied Globally

31%

Steam On Cane
achieved owing to our
patented technology

Our 40-year legacy in cane sugar engineering is marked by innovation and excellence in **design, manufacturing, supply, erection, and commissioning of full-scale sugar plants.** Specializing in sugar plants, distilleries, refineries, co-generation plants, and CO₂ purification. We stand out with our reliable engineering, patented technology, & unmatched expertise. Driving performance and cost efficiency in the sugar industry.

OUR

Activities

SUGAR PLANTS

Greenfield sugar projects ranging from 1000 TCD - 24000 TCD

BOILER MANUFACTURING

Single & Bi-Drum boiler ranging from 5 tons/hr - 250 tons/hr
Following ASME and IBR Standards

CO-GENERATION

Co-generation plants are engineered to export excess power to the National Grid, utilizing both back pressure and condensing mode turbine-generator sets

DISTILLERY & ETHANOL

We produce top-quality ethanol through our distillation technology, utilizing raw materials like molasses, grain, and sugarcane juice

NUCLEAR & DEFENCE

EOT (Engineered-to-order) manufacturing, CNC machining and fabrication for custom components

CO₂ PURIFICATION

We employ advanced technologies to process and recover beverage grade CO₂ generated from the fermentation of sugarcane juice, molasses, and grain in distilleries



TURNKEY Projects



West Valley Sugar Company Ltd KENYA 1250 TCD EXPANDABLE TO 2200 TCD

This plant exemplifies the distinctive SAISIDHA approach, featuring energy-efficient technology, robust mills, and a flexible design for seamless expansion—all accomplished within a remarkable 15-month duration.



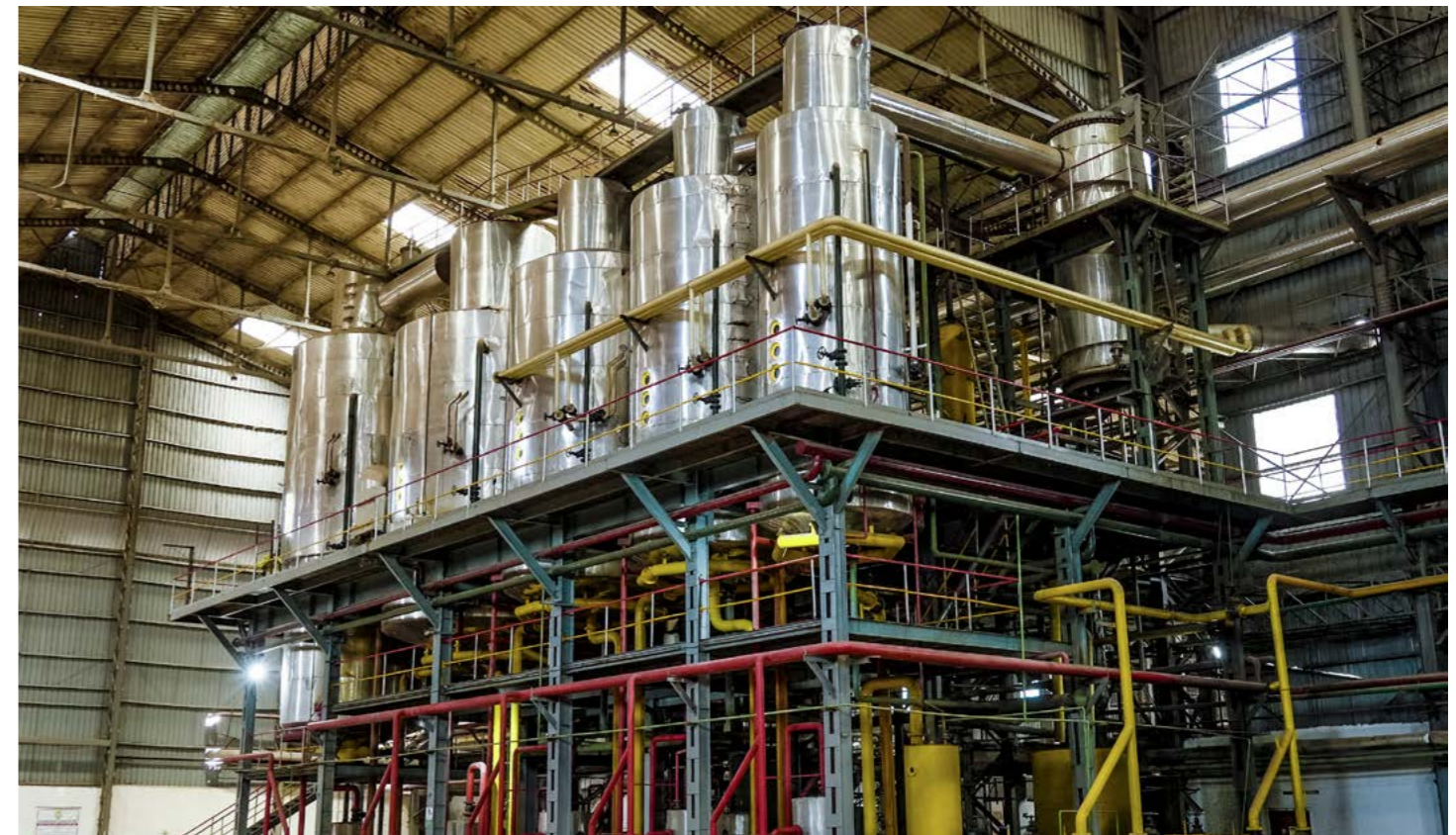
Modern Distilleries Ltd UGANDA 30 KLPD & 15 TPH CO₂ PLANT

A testament to our quality engineering its products are approved and used by the international Limoncello spirit maker in Italy. Additionally, the distillery's CO₂ emissions are purified and supplied to brands like Coca Cola through a dedicated CO₂ Purification plant.



Bugiri Sugar Ltd UGANDA 3500 TCD

A complete sugar plant on a turn-key basis, featuring a four-mill tandem with each mill sized at 33 X 66. Uniquely built for driving performance through cost & energy efficiency.



Kiryandongo Sugar Ltd UGANDA 3500 TCD

This state-of-the-art facility includes a four-mill tandem, each mill sized at 33 X 66, showcasing our technical expertise in the nuanced aspects of sugar plant engineering.



Hoima Sugar Ltd UGANDA

4000 TCD

Meticulous design and implementation of a cutting-edge Process House for 2000 TCD (2013), expanded to 4000 TCD (2020) & a Mill tailored to the intricate requirements along with the notable achievement of securing a repeat order from Hoima Sugar attests to the engineering precision and innovative solutions embedded in our offerings



VINP Distilleries & Sugar Ltd INDIA

7500 TCD

A distinct 7500 TCD Process House: 5000 TCD to the Evaporation House, with 1500 TCD for Cane Sugar and 3500 TCD for Ethanol production. Achieving 28% Steam on Cane with our patented system. Diffuser plant expansion 3000 TCD to 7500 TCD



Kinyara Sugar Ltd UGANDA

7000 TCD EXPANDABLE TO 10,000 TCD

We successfully expanded the initial project from 2500 to 4000 TCD in 2007-2008 for Kinyara Sugar Works Ltd. Securing a repeat order, we executed the turn-key erection of a complete Process House for a 7500 TCD plant in 2019-20, highlighting our clients' trust in our capabilities.



Shree Halsidhnath SSK Ltd INDIA

8500 TCD

Mill expansion from 3000 TCD to 6000 TCD. Our dedication to innovation shines in the upgraded Process House, featuring state-of-the-art ABC Boiling technology—a distinctive blend of heater, FFE, and CVP. This transformation has propelled the capacity to an impressive 8500 TCD, achieving a remarkable 35% steam percentage on cane.

CANE HANDLING

Product Range

Utilizing the latest technique, we manufacture superior quality of sugar mill machinery and sugar mill equipment used for processing sugarcane. These sugar machinery can be designed to incorporate conventional mill gearing, using electric variable speed motor as the prime mover. We offer any scale of Mills ranging from 20"x40" to 50"x100" & sugar plants from 500 TCD to 24,000 TCD. We are proud to say that we have supplied Fibrizer with Single Drive Motor of 5.5 Mw to **METEC in Ethiopia** at OMO I & BELES I.

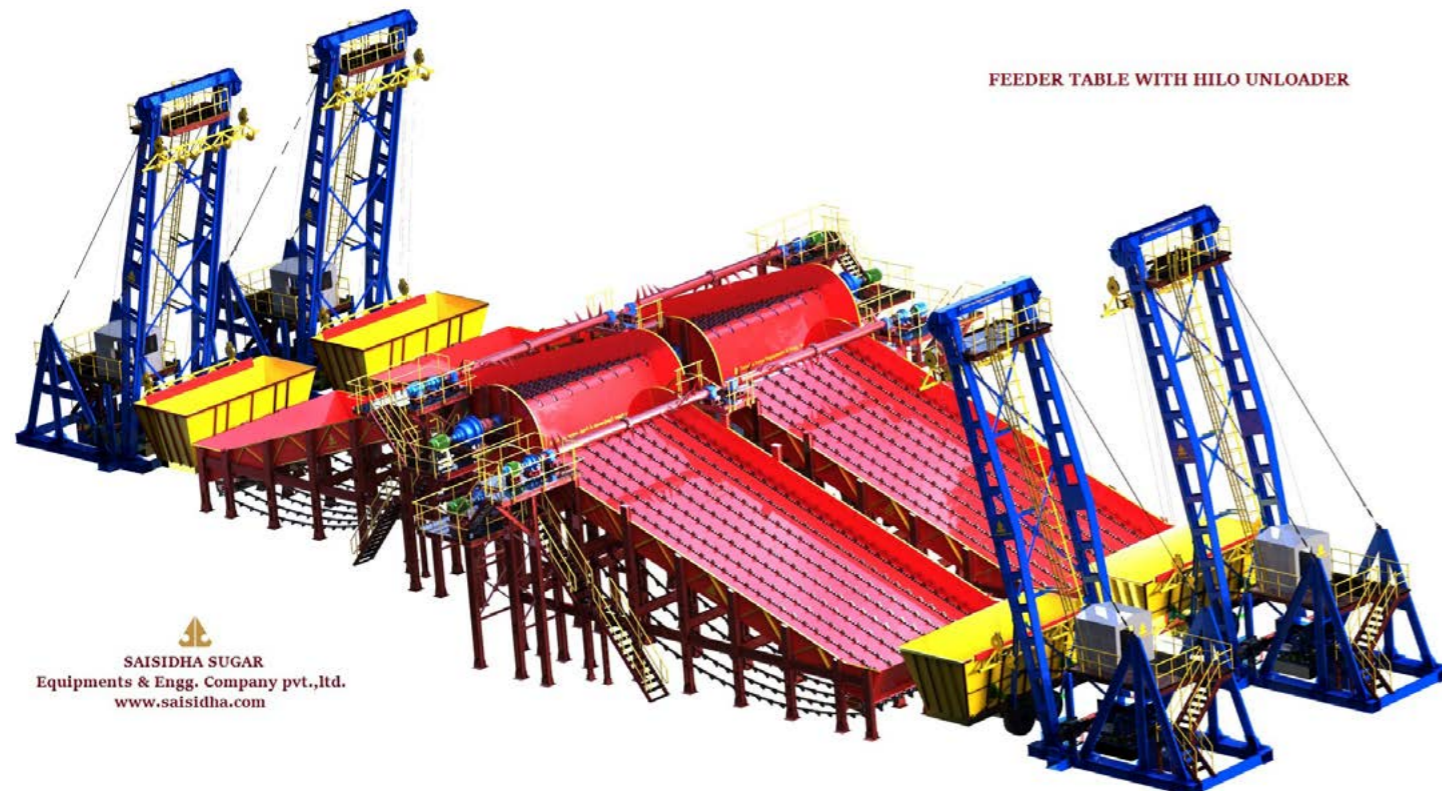
- CANE UNLOADER
- HILO CANE UNLOADER
- FEEDER TABLE
- KICKER ON FEEDER TABLE
- CANE CARRIER
- AUX CANE CARRIER
- CANE KICKER
- CANE CHOPPER
- CANE LEVELLER
- CANE FIBRIZER
- RAKE TYPE CARRIER
- MILL WITH UFR
- MILL WITH GRPF
- MILL WITH TRPF
- ROPE COUPLING
- MILL HOUSE CRANE
- BAGASSE ELEVATOR
- MAIN BAGASSE CARRIER



HILO UNLOADER & FEEDER TABLE

Cane Handling

Easy to operate, these equipment's provide long service life requiring minimum maintenance. The technique of cane handling varies from region to region depending upon the type of cane availability, labor and other factors. Hence, we provide our customers with cost-effective customization of the equipment exactly as per their requirement.




SAISIDHA SUGAR
Equipments & Engg. Company pvt.,ltd.
www.saisidha.com

HILO Unloader

FEATURES

- Hilo off-loaders are rugged reliable and easy to operate with world class hydraulic, electric and electronic components using adequate built in safety for continuous outdoor working
- The advanced operating feature enables to auto adjust the working pressure/speed and handle variable loads without constraints up to an overload safety margin of 125%
- Hilo Unloaders are modular in design and easy to maintain. The superior operating mechanism through solenoid valves increase system response and avoid cumbersome mechanical levers/linkages and its wear



Cane carrier

FEATURES

Completely made of steel, our sugarcane carriers have adequate column and support. These cane carriers are available with ample carrier depth that facilitates to feed the required capacity. These machines are highly durable, which can be further customized as per the need of the customer.



Cane feeder table

FEATURES

It can be designed as per the plant's capacity and client's requirement. Some of the main popular sizes are 6 M wide and 7 M in length & 8 M x 8 M or 4 M x 5 M. It will be installed in a manner so that it is at reverse angle of 30 with horizontal and rises forward the cane carrier. We also provide Feeder Tables with washing arrangement and sloping towards the carrier. We mainly use the quality components like chains, Gear boxes, Motors and VFDs. For the chain we use appropriate breaking load of the chain ranging from 30,000 Kgs to 80,000 Kgs. To save the Power consumption (Energy) we use VFD's.

MILL HOUSE

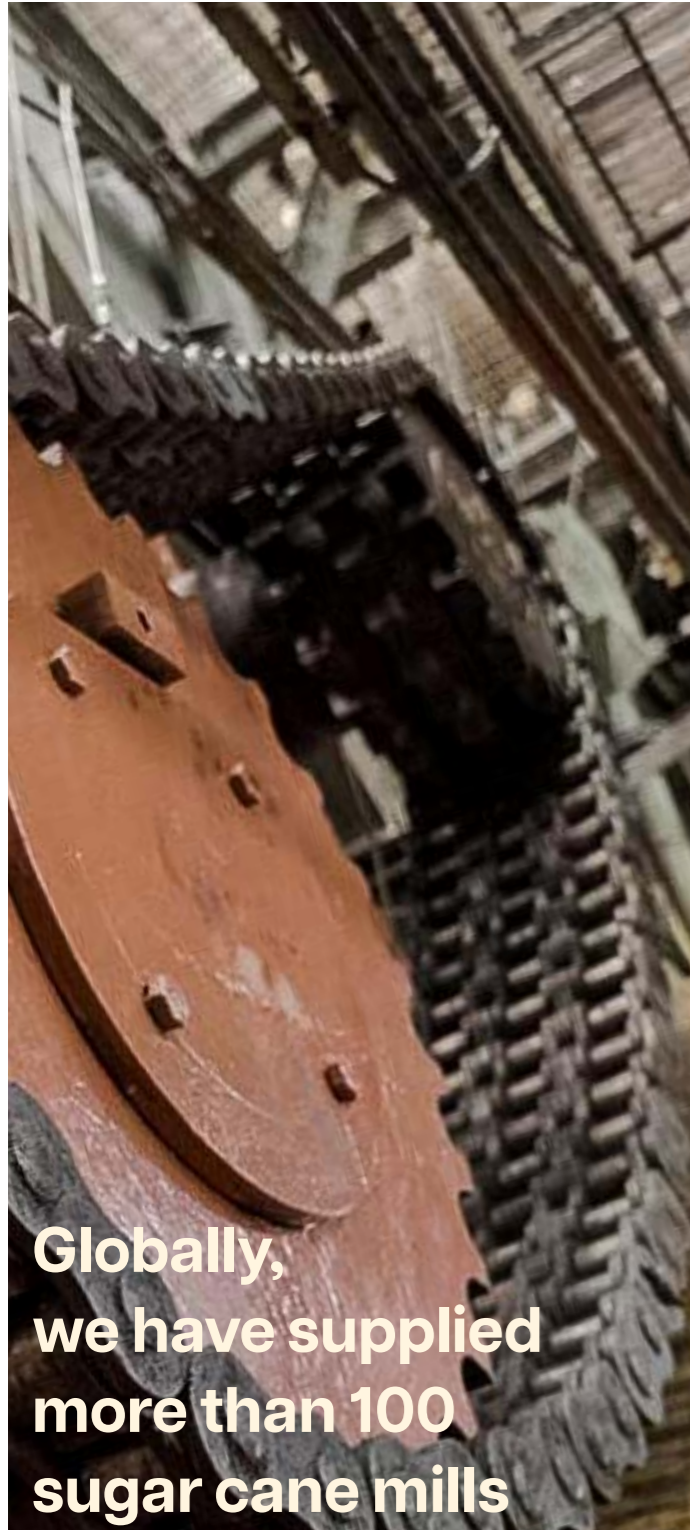
Range of Mills

Our mills are engineered to efficiently handle high crush rates for cane with 18-20% fiber content, demonstrating the lowest power consumption. They achieve high extraction rates of 95% and maintain low bagasse moisture at 48%, which is essential for co-generation systems.

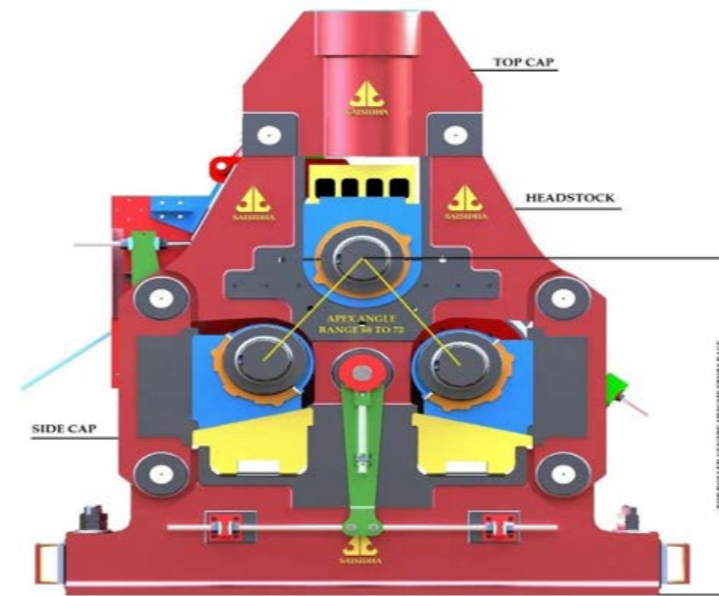
Our range of heavy-duty mill house equipment includes:

Cane Unloader, Cane Chopper, Swing Type Cane Fibrizer, Rake Carriers/Rake Elevators, Mill with DC Drives and more

SR NO	INCH	MM
1	Ø20 X 40 LG	Ø500 X 1000 LG
2	Ø24 X 48 LG	Ø610 X 1220 LG
3	Ø30 X 60 LG	Ø760 X 1525 LG
4	Ø33 X 66 LG	Ø840 X 1700 LG
5	Ø36 X 72 LG	Ø915 X 1830 LG
6	Ø36 X 78 LG	Ø915 X 1980 LG
7	Ø40 X 80 LG	Ø1016 X 2040 LG
8	Ø42 X 84 LG	Ø1066 X 2140 LG
9	Ø45 X 90 LG	Ø1145 X 2300 LG
10	Ø50 X 100 LG	Ø1270 X 2550 LG



Globally, we have supplied more than 100 sugar cane mills



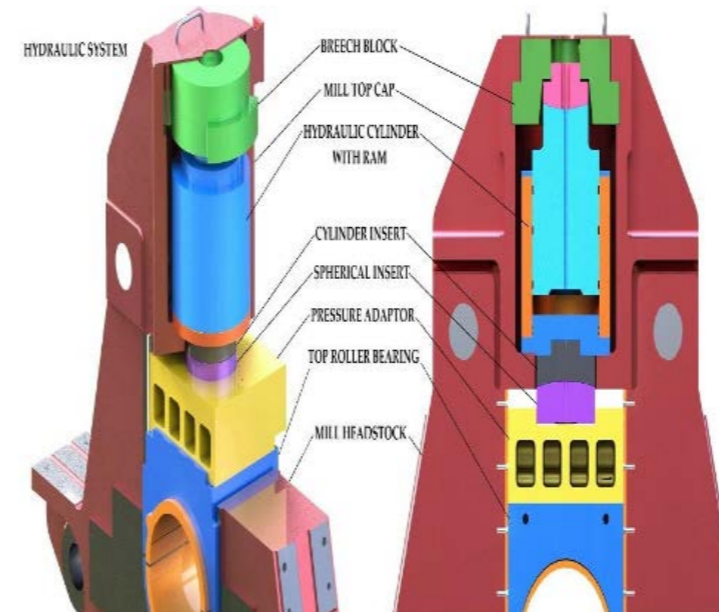
FEATURES

Top roller center height from base is more

- The top roller center height from base, which is more as compared to other conventional mills. The main benefit is to accommodate the large diameter of the rollers, reducing the apex angle as well as increasing the mill crushing capacity.
- Unique, sturdy design of mill headstock, top cap and side caps

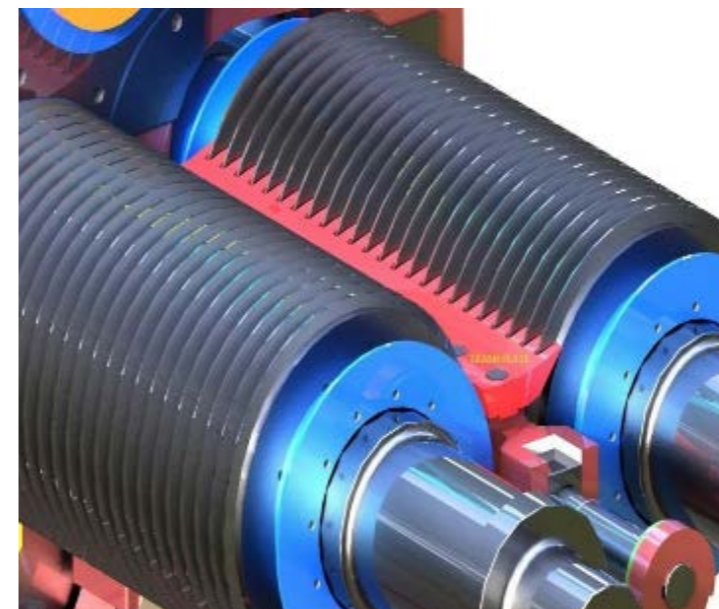
Maintenance free hydraulic system

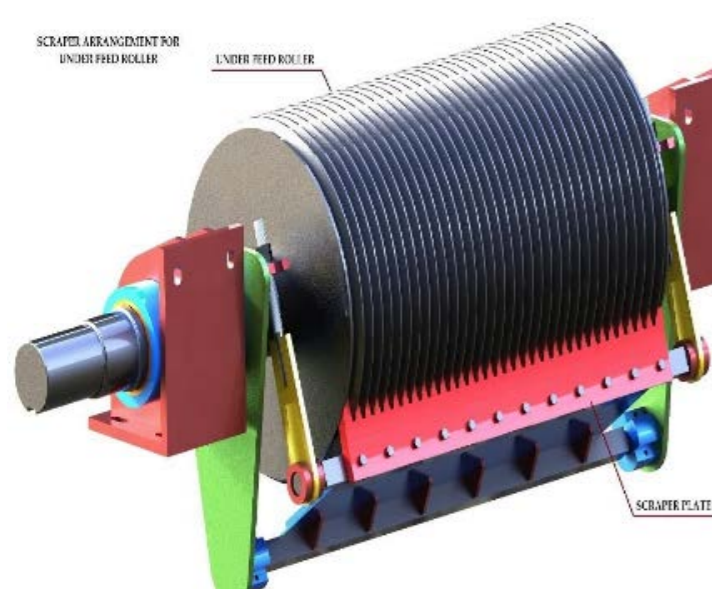
- The maintenance of hydraulic cylinder is lower compared to internals of top cap provided in conventional mills
- The hydraulic cylinder with spherical end having no radial thrust resulting in continuous working without oil leakage. It has unique oil seal arrangement – ensures leak proof hydraulic system – results in maintenance free hydraulic system
- Hydraulic system designed for 280 kg/sq.cm (g) with leak proof system, desired hydraulic pressure can be set at ease – result in better performance



Vertical movement of bottom roller & lowest apex angle

- Due to vertical movement of rollers, lowest apex angle – trash plate profile is short – reduction in frictional power loss at trash plate and facilitate easy floating of top roller, enhances performance of mills, save power & offers fluent feeding to discharge roller.
- Prominent feature of SAISIDHA mills are lowest apex angle. Mill are so designed as to accommodate maximum setting with lowest apex angle, ranging from 68° to 72°





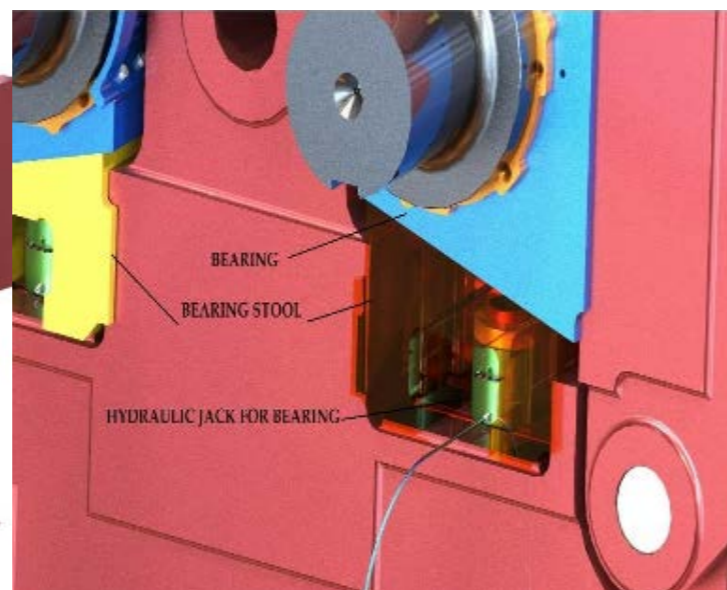
Arrangement of UFR roller with scraper

- Unique scraper arrangement provided for under feed roller. Which controls the “mill slippage” without abstracting the juice drainage, giving additional facility
- Cleans the grooves of the UFR roller after compressing bagasse, positively impacting the feeding process at the mill inlet

Five Roller Mill (with TRPF)

FEATURES

- To improve performance of four roller mill, tooth roller pressure feeder (TRPF) is added to the mill
- TRPF rollers are min. 30% higher diameter than mill roller to give better compaction & feeding to mills and can operate at lowest possible speed improving performance
- Crushing capacity is more compare to conventional TRPF system due to large diameter of rollers
- Shortest possible pressure chute of 7° divergence is used to get about 45° contact angle at pressure chute outlet. This makes very positive feeding to the mill mouth
- Good drainage due to perforated holes in bottom TRPF roller



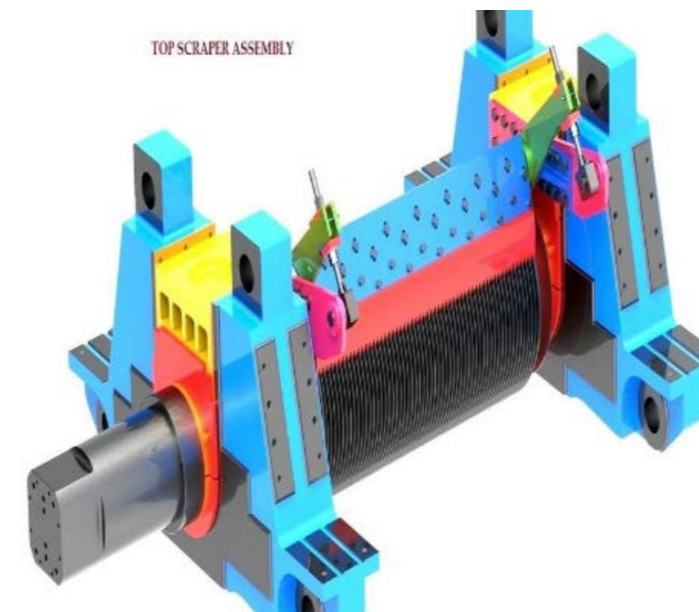
Hydraulic jack arrangement for feed & discharge roller

- A specialized hydraulic jack system is implemented for the bearings of feed and discharge rollers
- Unlike conventional mills where maintaining the roller setting is challenging, the arrangement simplifies and allows for precise and easy adjustment of the mill roller settings

Six Roller Mill (with GRPF)

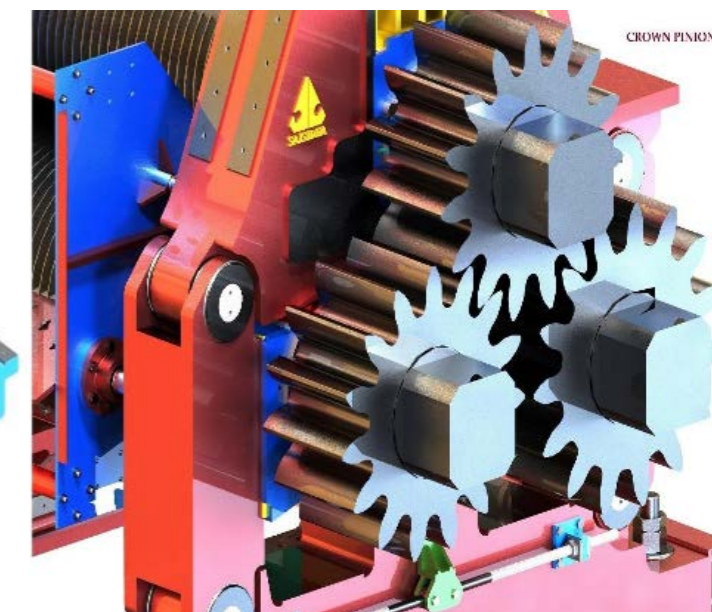
FEATURES

- To improve performance of four roller mill, grooved roller pressure feeder (GRPF) is added to the mill
- Our GRPF is tailor made to suit the mills, available space, required capacity, drive power etc. To get best possible result
- Shortest possible pressure chute of 7° divergence is used to get about 45° contact angle at pressure chute outlet. This makes very positive feeding to the mill mouth
- Due to adequate provision of large openings of GRPF as well as mill rollers & Donnelly chutes, the mill can be operated at a very low speed for high extraction and low bagasse moisture



Floating top scraper assembly

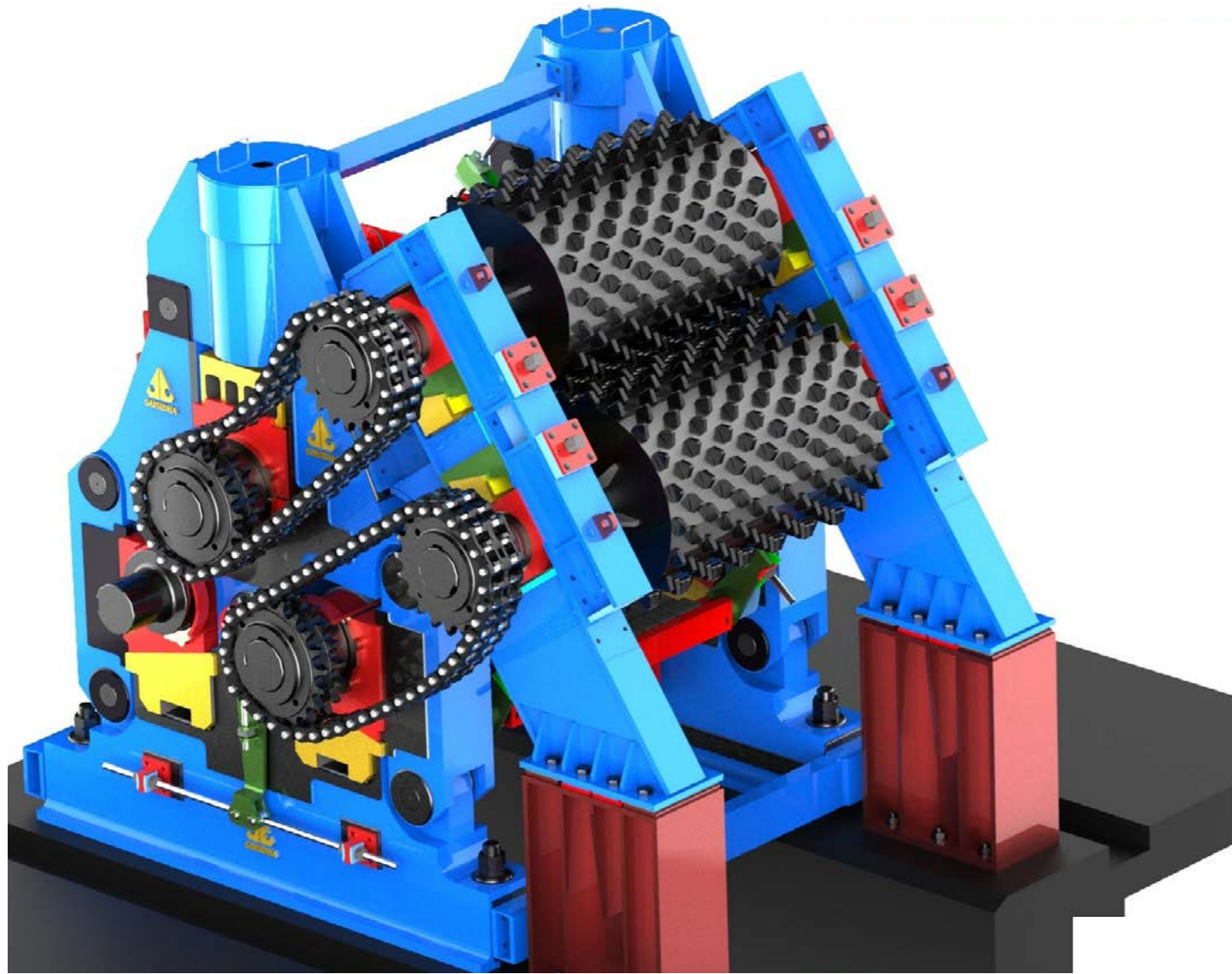
- The top roller bearing height, featuring a distinctive pressure adaptor design, allows for increased elevation
- Consequently, the top roller can freely float, providing energy efficiency and ensuring smooth mill operation with fewer chokes
- This design enables a quick response to variations in cane feed, enhancing overall reliability as the top roller scraper moves in tandem with the roller



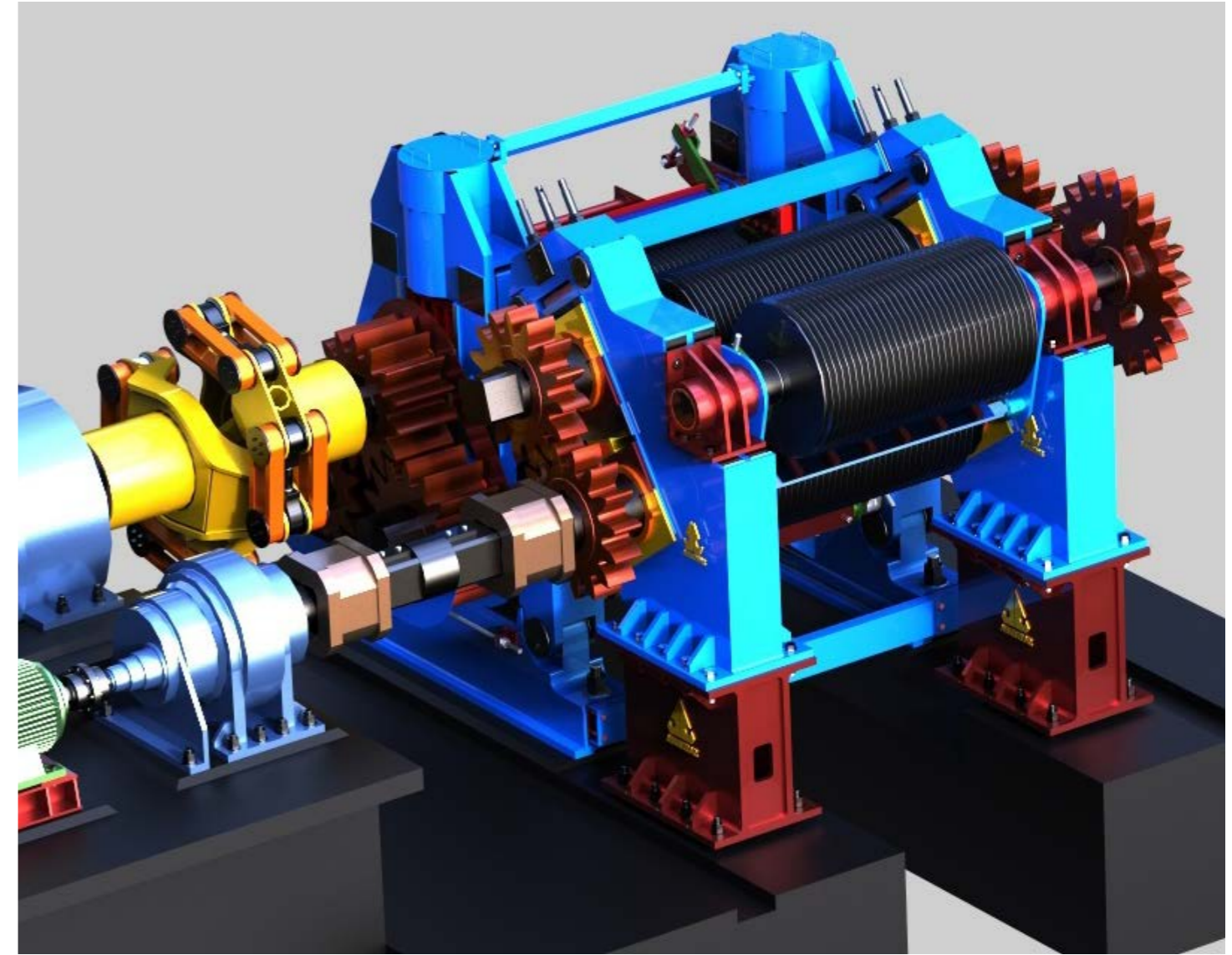
Crown pinion design to accommodate large setting

- Designed with generous settings, promoting prolonged roller shell lifespan and enabling mills to operate at slower speeds
- Allows for maximum settings, reducing the mill's operating speed and enhancing overall juice extraction efficiency
- The lower operating speed results in increased bagasse retention under pressure, leading to higher quantities of juice extraction and minimizing re-absorption

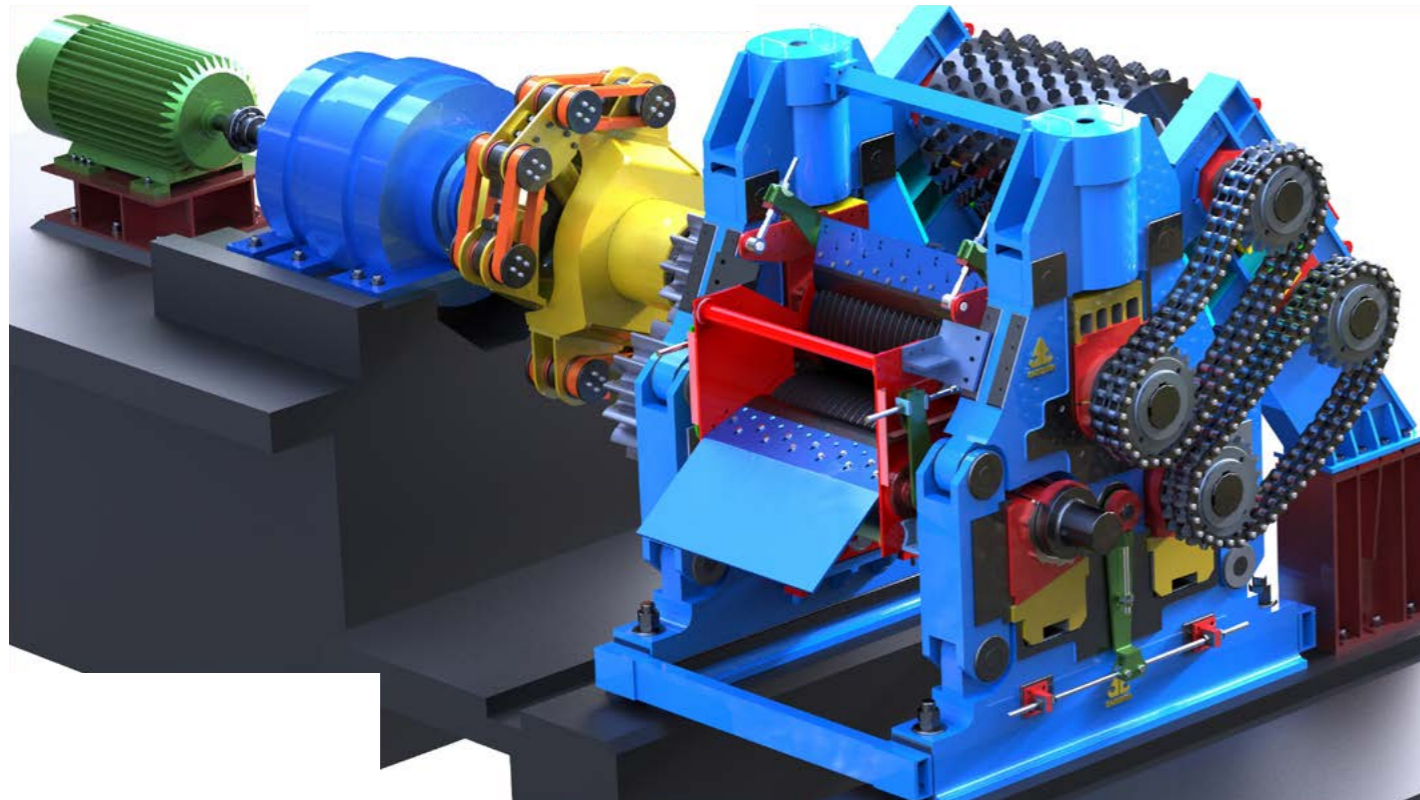




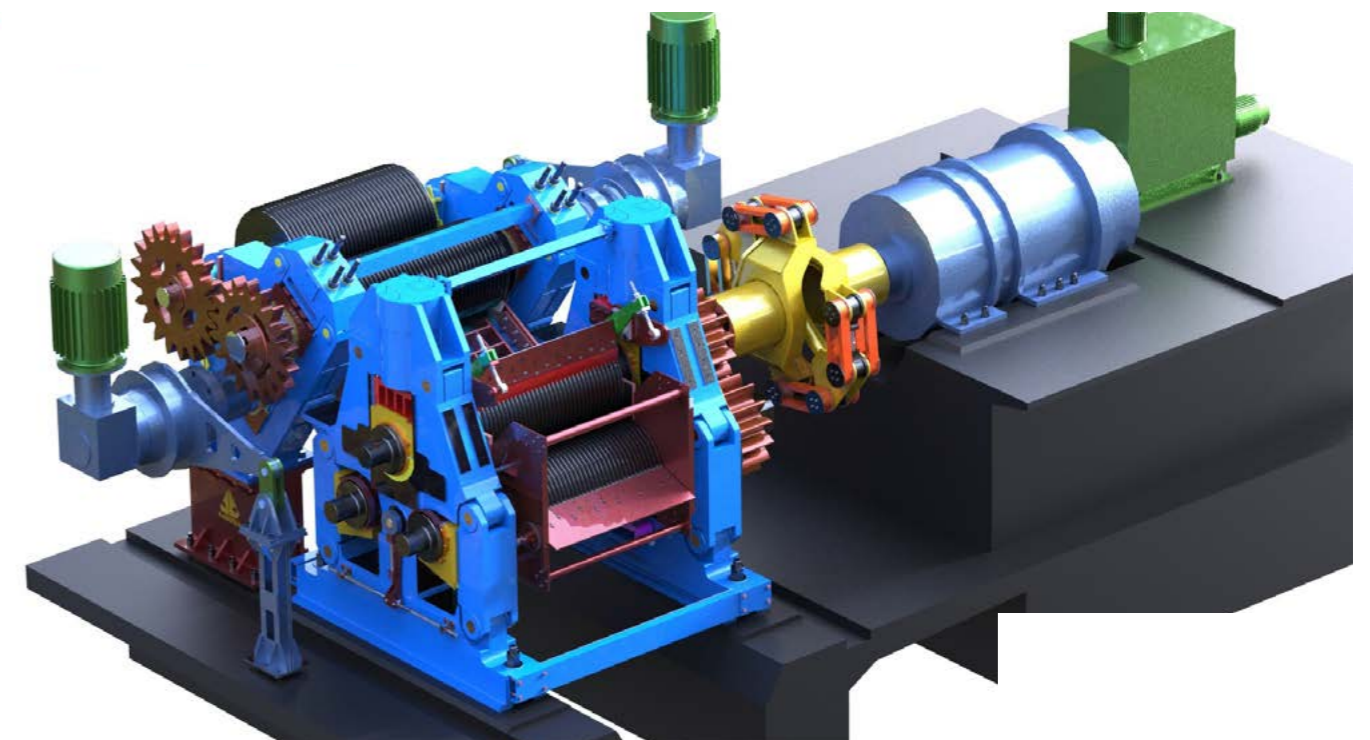
Five Roller Mill (with TRPF)



Six Roller Mill (with GRPF) - Foot mounted



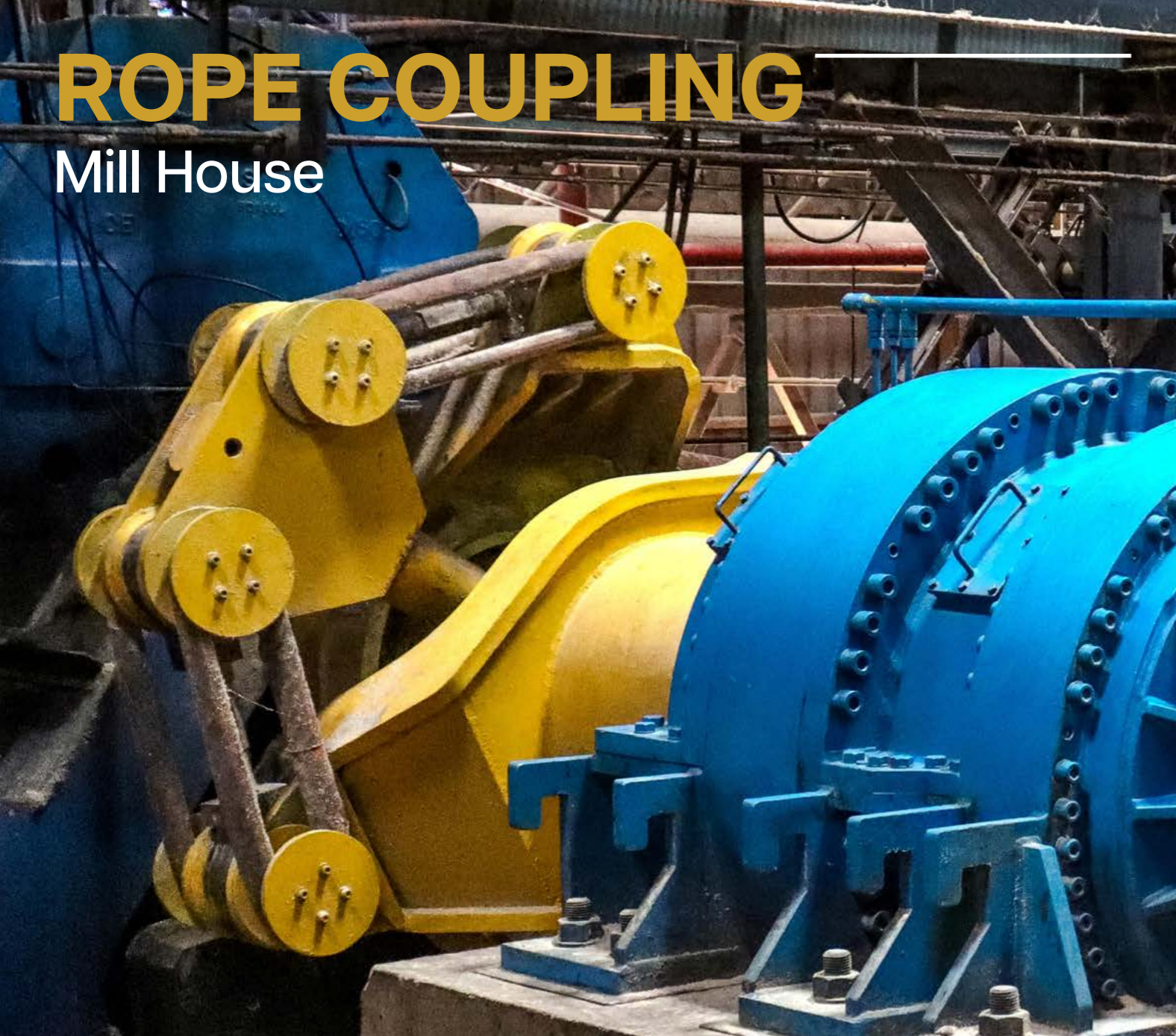
Five Roller Mill (with Drive)



Six Roller Mill (with GRPF) - Shaft mounted

ROPE COUPLING

Mill House



FEATURES

- SAISIDHA Offers Multi Mis-alignment Rope Coupling (MMRC) for Sugar Cane Mills ranging from 16"x32" to 55"x110"
- Improves extraction performance of the Mill. The conventional Tail Bar obstructs free floating of the Mill Top Roller. The Multi Mis-alignment coupling does not impose any constraining thrust on the Top Roller. With free floating of Top Roller, the Mill operates at the designed setting and optimum hydraulic pressure and consequently performs efficiently
- If installed on the last Mill, final Bagasse Moisture will be lower by 1%
- Mis-alignment between square end of the Gear shaft and the Top Roller either due to tilting of the Top Roller or initial alignment error in installations is fully absorbed by the Rope Coupling. As a result, no significant lateral thrust or bending moment is transmitted to the final gear
- Reduced Torque and Power consumption of Mill by 8-10%
- Breakage of crown pinion and top roller is completely eliminated

CANE FIBRIZER

Mill House



FEATURES

- Designed to get PI of $87 \pm 1\%$
- Hammers placed in between two hammers of next row therefore cane does not escape through the gap. For this facility four-way star type hubs are used instead of disc type
- Spacer gear coupling is used to facilitate removal of bearing quickly, minimum 500 mm gap between shaft end is kept
- Shaft material is 45 C8 as per IS: 1570 which is tougher than 40 C8 quality. Therefore, in case of even excess tightening of adaptor sleeves does not damage the shaft surface
- Base frame of motor and bearing of Fibrizer stool rotor are cement grouted up to 200 mm height from the inside makes the rigid support preventing vibrations
- Hammers center of gravity is kept away from the pin hole as far as possible by proper shape and size. Makes the impact of hammer highly effective
- Hammer Body for Fibrizer is in one piece in BQ plate having sturdy design

PROCESS HOUSE

Product Range

The Saisidha Process House sets the benchmark for sugar plants due to our exclusive patented design, which focuses on minimising steam consumption and, consequently, achieving a short payback period. Our proprietary design for juice heaters, evaporators, and vacuum pans guarantees the efficient and cost-effective operation of the sugar plant.

HEAT EXCHANGERS

- Shell & Tube Juice Heaters
- Conventional Juice Heater
- Dynamic Juice Heaters
- Vapour Line Juice Heaters
- Liquid to Liquid Shell & Tube Juice & Water Heaters
- Direct Contact Juice Heaters (DCH)

CRYSTALLIZATION

- **Batch Pan**
 - Poly Calandria with Central & Peripheral Down Take
 - Conventional Calandria with Central Down Take
 - Batch Pan with Mechanical Circulators
- **Continuous Pan**
 - Vertical tube Calandria with Central Down Take

EVAPORATORS

- Falling Film Evaporators. (FFE)
- Rising Film Evaporators
- Semi Kestners
- Radial Flow Evaporator Body
- Conventional Evaporator Body

CRYSTALLIZERS

- **U- Shaped Horizontal Crystallizers**
 - Seed Crystallizers
 - Air Cooled Crystallizers
 - Water Cooled Crystallizers
- **Closed Cylindrical Crystallizers**
 - Vacuum Crystallizers
 - Cylindrical Crystallizers for Refine massecuite
- **Vertical Crystallizers**
 - Mono Vertical Crystallizers
 - Shell in Shell Type
 - Raiser Type
- **Twin Type Vertical Crystallizers**

CENTRIFUGAL STATION

- Pug Mills
- Massecuite Header
- Transient Heater
- Magma Mixture
- Sugar Melter

SUGAR HANDLING

- Sugar Silos

OTHER

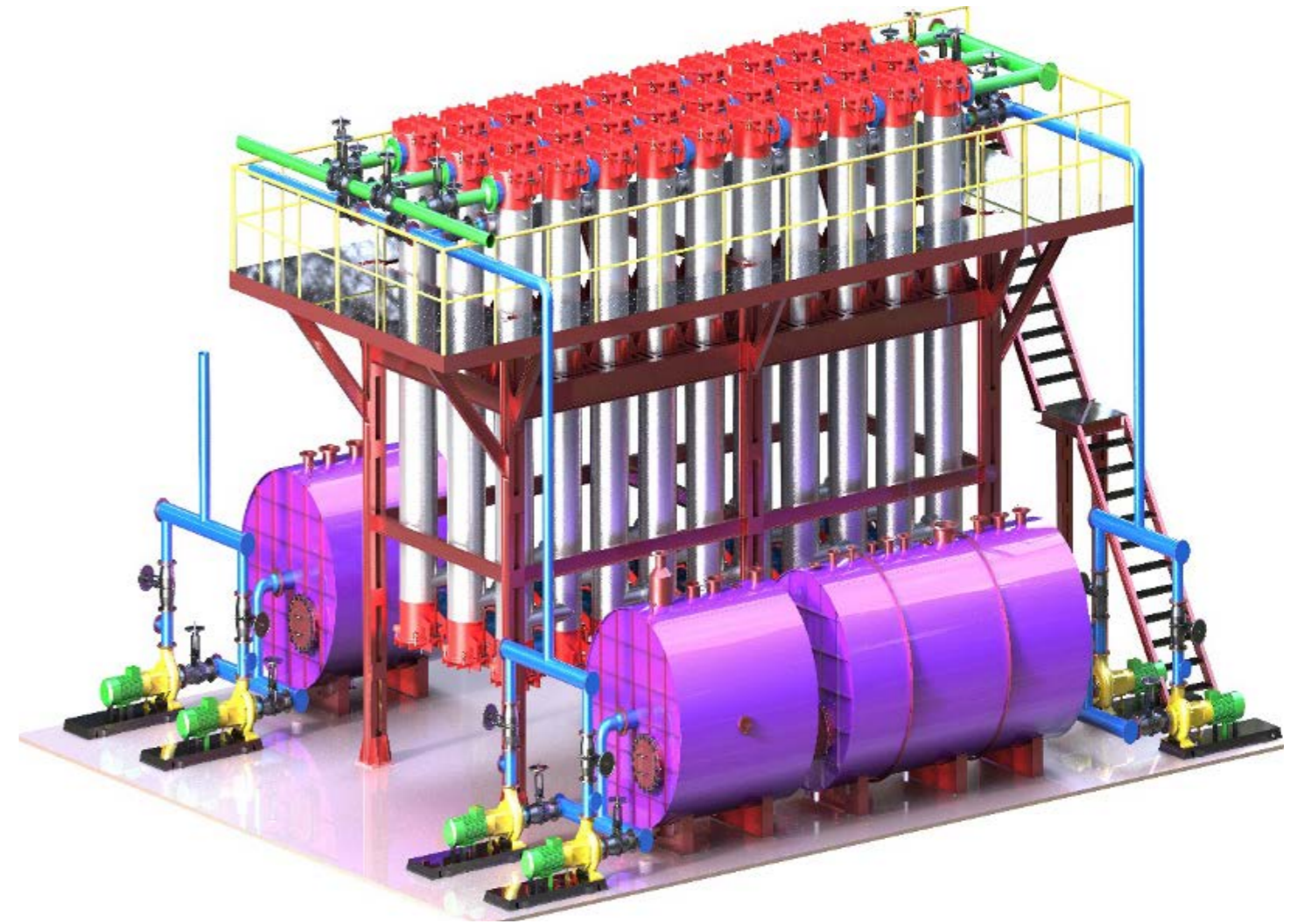
- Lime Slacker
- Juice Sulphiter
- Syrup Sulphiter
- Pan Supply Tanks
- Molasses Conditioners. (Convention & DCH Type)
- Screw Conveyors
- Mist Eliminator External Catchall
- Spray Pond
- Final Molasses Storage Tanks
- Condensate Flash Vessels
- All Type Tanks/ Receivers



PATENTED STEAM CONDENSATE HEATER

Process House

PATENTED IN 18 COUNTRIES



PRODUCT DETAILS

- Range: Juice Flow 50 TCH to 700 TCH
- Application: Raw Juice, Sulphured Juice, Clear Juice, Scalding Juice
- Press Juice and SHWW
- No of Installations: 170 +

FEATURES

- No need of steam or vapour for Juice heating
- Achievable ΔT max. 30°C
- No need of chemicals for tube cleaning
- Zero load on Effluent treatment plant (Pollution free)
- For point of operation view simple, sturdy & operated by local semi-skilled staff
- No need of automation
- Shortest time of implementation of scheme
- Less investment with short payback period

DIRECT CONTACT JUICE HEATER

Process House



PRODUCT DETAILS

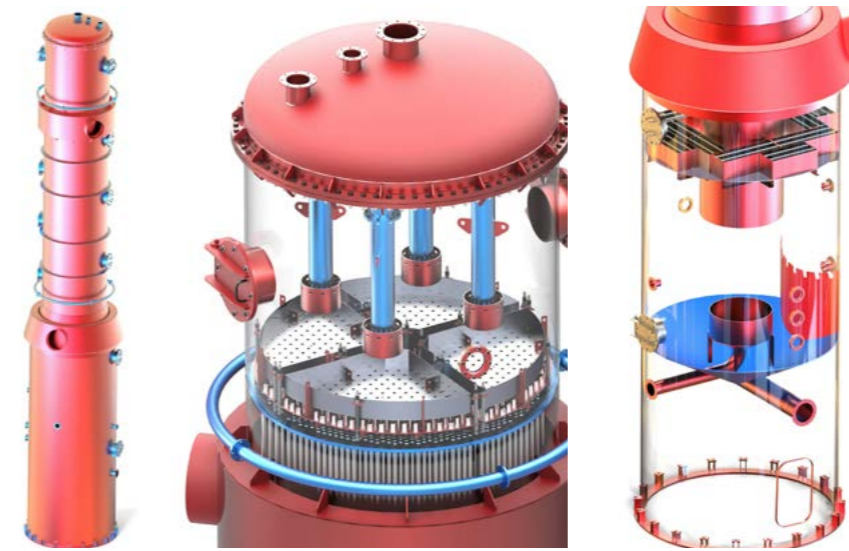
- Range: Juice Flow 50 TCH to 700 TCHW
- Application: Raw Juice, Sulphured Juice, Clear Juice, Scalding Juice
- Press Juice and imbibition water
- No of Installations: 124 +

FEATURES

- 1 to 2oC approach temperature
- Less space for installation
- Head loss is lower as compared to conventional Juice Heater
- No need of standby heater for cleaning
- Utilizes low temperature of vapour improve steam economy of plant
- No need of water for H.S. cleaning
- No need for man power to clean tubes
- No cleaning, zero load on Effluent treatment plant (Pollution free)

FALLING FILM EVAPORATOR

Process House



PRODUCT DETAILS

- Range: H.S. 1000 m² to 7000 m²
- Application: To concentrate clear Juice by evaporation
- Working Positions: First to fifth effect of quintuple evaporator set
- No of Installations: 30 +

FEATURES

- Meticulously designed to prevent tube jamming by ensuring a consistent juice flow to each tube.
- FFE installation options feature internal and external catchalls/ save-alls, specifically crafted to eliminate juice entrainment, guaranteeing efficient operation.
- FFE maintains a Wetting Ratio of 1800-2200 Kg/hr/m, optimizing juice and vapor distribution with max Evaporation Rates of 27-30 Kg/m²/hr (first effect) and 25-27 Kg/m²/hr (second effect)
- Requires less frequent cleaning compared to conventional evaporator bodies, contributing to reduced maintenance efforts.
- Installing FFE in later stages maximizes steam economy, enhancing overall system efficiency

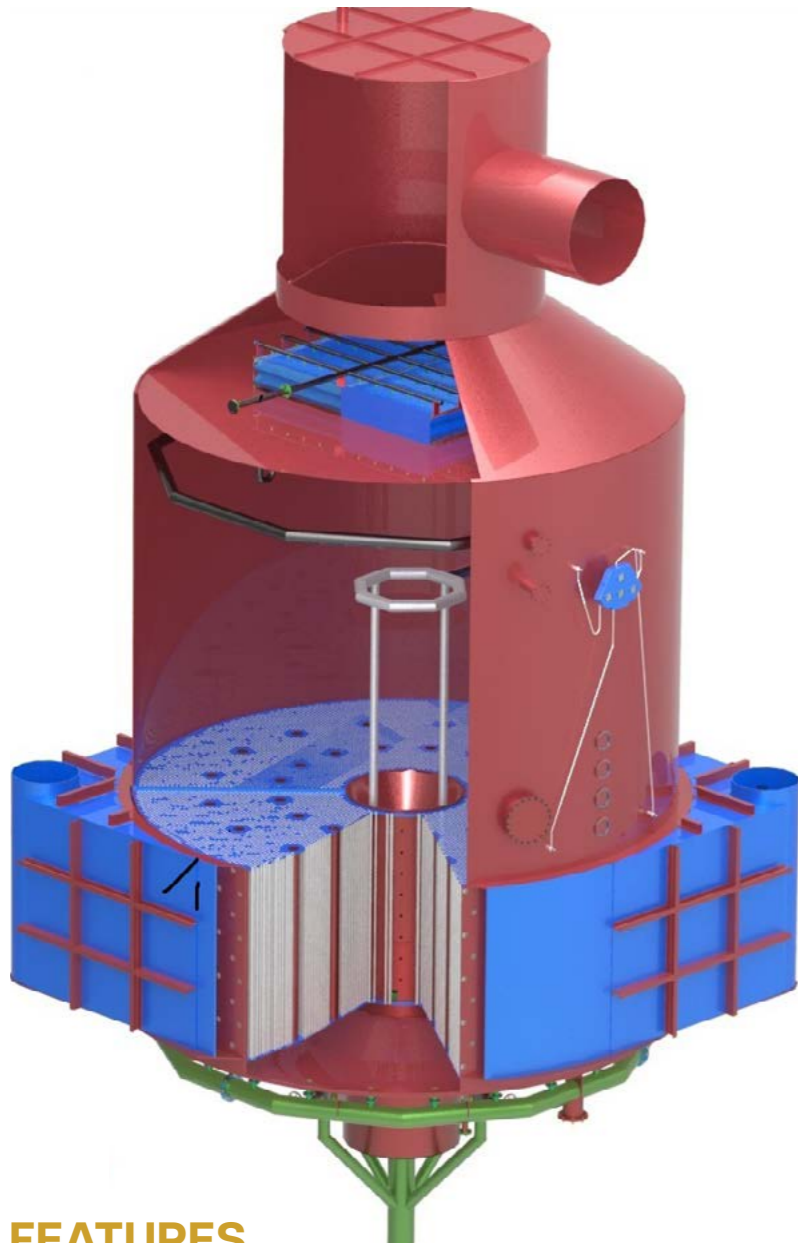


RADIAL FLOW EVAPORATOR

Process House

PRODUCT DETAILS

- Range: H.S. 4000 m² to 6000 m²
- Application: To concentrate Clear Juice by evaporation
- Working Positions: First or Second effect of quintuple evaporator set
- No of Installations: 185 +



FEATURES

- Evaporation rate achievable, max. 22 kg/m²/hr for second effect
- Less hydrostatic head
- Lower temperature drop due to less hydrostatic head
- Water stagnation and heating surface loss is minimized by withdrawing condensate at center of Calandria
- Loss of heating surface area for withdrawing condensate and non-condensable gases is totally eliminated
- Less deposition of scale, due to proper distribution of inlet juice

EVAPORATOR STATION

Process House



CONTINUOUS PAN

Process House



PRODUCT DETAILS

- Range: 15 TPH to 50 TPH
- Application: B & C Massequite
- No of Installations: 45 +

FEATURES

- Operate with low vapour pressure 0.2 - 0.3 Kg/cm² (g)
- Least massecuite head improves natural circulation and prevent adverse effect of B.P.E. and heat injury to crystals and colour development
- Uniformity of crystal size which improves exhaustion of mother liquor
- Use of low temperature vapour for heating for maximum steam economy
- Minimum co-efficient of variation. (C.V. _30)
- Less man power & less space is required
- Cleaning period after 35 - 45 day

LOUVRE TYPE ROTARY SUGAR DRYER

Process House



PRODUCT DETAILS

- Range: 5 TPH to 80 TPH
- Application: Raw Sugar, Refine Sugar and White Sugar
- No of Installations: 35 +

FEATURES

- High heat transfer at low temperature
- Can handle both, surface and bound moisture in the drying solids
- Constant exposure of material to hot air stream
- Gentle treatment of material results in minimal mechanical damage to product
- Direct contact of both drying and cooling air ensure maximum drying and cooling
- Greater control of cooling and drying air
- Excellent mixing action ensures uniform drying of all the particles
- Continuous operation
- Compact installation
- Minimum electrical power
- Minimum dusting

Boiler

Providing both single-drum and bi-drum boilers, we offer advantages such as high efficiency, reliable performance, and low maintenance costs. The sizes range from 5 tons/hr to 250 tons/hr, with pressure settings varying from 100 degrees Celsius to 540 degrees Celsius. The boilers are meticulously designed in accordance with ASME and IBR standards. Notably, we have recently delivered a 120 TPH single-drum boiler for a 6000 TCD greenfield sugar plant, Kidera Sugar in Uganda, built by Saisidha



PRODUCT DETAILS

- Capacity varying from 5 ton/hr to 250 ton/hr 250 TPH
- Pressure from 10kg/cm² to high pressure up to 125kg/cm²
- Temperature from 100°C to 540°C
- Design Standards-IBR/ASME
- **Types of fuels used in Boilers:**
 - Bagasse, Wood Chips, Indian coal/Import coal, Rice Husk
- **Type of Combustion methods:**
 - Travelling grate, Dumping grate, Pulsating Grates, Pin hole type grate
- Outdoor and Indoor Installations
- Auto or remote - manual control options



FEATURES

- High Efficiency
- Minimum amount of unburnt carbon in Ash
- Boiler design allows fuel with Low GCV high moisture
- Boiler gives the guaranteed performance
- Use of high safety standards in boiler
- Efficient fuel consumption in furnace
- Variable frequency drives for travelling grate & fan motors
- Boiler Panels with membrane wall construction provides minimum refractory requirement for sealing & No flue gas leakages
- Furnace design with maximum absorption of heat
- Provides approach platform, inspection doors, observation doors for repair and maintenance
- Erosion of pressure part and ducting reduced by keeping the optimum flue gas velocity

DISTILLATION TECHNOLOGY

Distillery

OUR KEY EQUIPMENTS

- Molasses Storage Tanks
- Fermenter
- Evaporator Columns
- **Storage Tanks**
 - RS (Rectified Spirit)
 - ENA (Extra Neutral Alcohol)
- Bi-Digester
- Cooling Towers
- Centrifugal Processing Unit (CPU)
- Water Treatment Plant (WTP)

SAISIDHA's success in distillery manufacturing is not just measured in technical terms but also in the strategic partnerships it forges. The collaboration with a renowned Italian manufacturer of Limoncello, facilitated by the advanced distillery plant, exemplifies how SAISIDHA's solutions enable its clients to enter global markets and create enduring business relationships.

DISTILLATION TECHNOLOGY

Ethanol

For VINP Distilleries & Sugars Ltd.,
We utilised B-heavy molasses, sugarcane juice, and sugar for ethanol production alongside C-molasses by diversifying their cane juice to manufacture ethanol.

Saisidha plays a pivotal role in advancing the objectives outlined in the National Biofuel Policy 2018 of India. The company aligns with the policy's emphasis on First Generation (1G) ethanol, derived from diverse feedstocks, by leveraging innovative designs and robust engineering.

Our commitment to sustainable practices extends to our patented Steam Economy System, a technology recognized in 18 countries, contributing significantly to the reduction of steam consumption—a key aspect of biofuel production efficiency. Through the supply of Mills, Boilers, and Steam Economy solutions, we actively support the government's blending targets, promoting the use of biofuels and enhancing energy security.

Saisidha stands as a catalyst for transforming the biofuel landscape in India, contributing to the nation's vision of a greener and more energy-secure future

OUR Specialized Capabilities

Within our workshops, we deploy advanced manufacturing technologies to cater for **NPCIL (Nuclear Power Corporation of India Pvt. Ltd.)**, **EIL (Engineers India Ltd)** for Oil Gas & Refinery, **IBR (Indian Boiler Regulatory Board)** for Steam Boilers & Steel Plant - **EAF (Electric Arc Furnace)**. Heavy Fabrication with all facilities under one roof, under TPIA (Third Party Inspection Agency). Notable among our distinctive capabilities are:



Hi-Speed CNC Drill Machine - 9M (Gantry Type) 2 Spindle

This two-spindle head machine is renowned for its exceptional productivity, precision, and quality in drilling operations, especially for Tube Sheet Drilling, Process House, and Boiler Drums. It can handle plates up to 700mm in thickness, ensuring reliable and efficient performance.



EOT Crane (Electric Overhead Travel Crane)

Featuring a robust design, our EOT Crane boasts an impressive lifting capacity of 100 tonnes, guaranteeing efficient and reliable handling of heavy-duty materials. These advanced machines collectively contribute to our high productivity in heavy engineering, enabling us to meet the most demanding manufacturing challenges with precision and excellence.



Plate Rolling Machine

Our Plate Rolling Machine excels in rolling and bending plates with a thickness of 140 mm x 2.5-meter width or 100 mm thickness x 3.1-meter width. This capability is crucial for achieving superior precision in the fabrication of Boiler Drums and various pressure vessels, meeting stringent quality and dimensional requirements.



CNC Plate / Profile Cutting Machine

Employing state-of-the-art CNC technology, our cutting-edge machines can precisely cut any shape and diameter required for a wide range of applications, including Boiler Drums and various pressure vessels. This ensures adherence to stringent quality and dimensional requirements.

Across the Globe

International.

Uganda

- Bugiri Sugar Co.Ltd.
- GM Sugar Industries Ltd
- Hoima Sugar Industries Ltd
- Kamuli Sugar Industries Ltd.
- Kidera Sugar Ltd
- Kinyara Sugar Works Ltd.
- Kiryandongo Sugar Works Ltd
- Mayuge Sugar Industries Ltd
- Modern Distillery Ltd

Rest of the world

- Bagmati Khandsari Sugar Mills Pvt Ltd, **Nepal**
- CDT Co. Ltd, **Vietnam**
- Consolidated Farming Ltd, **Zambia**
- CREMMS Limited, **Guyana**
- Dangote Sugar Numan, **Nigeria**
- Ethimale Plantation, **Sri Lanka**
- Mansa Sugar Ltd, **Zambia**
- Mtibwa Sugar Estates, **Tanzania**
- Sugar Corporation of Ethiopia OMO-1 & Beles-1, **Ethiopia**
- Savannah Sugar Company (Dangote Group), **Nigeria**
- Sony Sugar Co. Ltd, **Kenya**
- Sukari Industries Ltd, **Kenya**
- West Valley Sugar Co. Ltd, **Kenya**

Domestic

Gujarat

- Chalthan Vibhag Khand Udyog Sah.(M) Ltd.
- Coper Co-Op Sugar Mills Ltd
- Madhi Vibhag S.K.U.M.Ltd
- Narmada S.K.U.M.Ltd
- Shree Ganesh Khand SKUM Ltd
- Shree Khedut S.K.U.M.Ltd (Pandvai)
- Sayan Vibhag S.K.U.M.Ltd

Maharashtra

- Agasti SSK Ltd.
- Ashok S.S.K. Ltd
- Babanrao Shinde Sugar & Allied Industries Ltd
- Loknete Baburao Patil Agro Ind.Ltd
- Samrudhi Sugars Ltd
- Shree Dutt India Pvt Ltd.
- Sonhira S.S.K. Ltd
- Utopian Sugar Ltd
- Vishwasrao Naik SSK Ltd
- Vitthalrao Shinde S.S.K.Ltd

Karnataka

- Alagawadi Bireshwar Sugars Pvt Ltd (Project ICPL)
- Godavari Sugar Mills Ltd
- Indian Sugar Manufacturing Co. Ltd.
- Mylar Sugars Ltd
- Shree Halasidhanath SSK Ltd
- VINP Distilleries & Sugars Pvt Ltd

Andhra Pradesh

- Ganapati Sugar Industries Ltd.
- Gayatri Sugar Nizamsagar
- Gayatri Sugars Ltd.
- Shri Sarvaraya Sugars Ltd.

Uttar Pradesh

- Kesar Enterprises Ltd.
- Mawana Sugar Works
- Tikaula Sugars Ltd.

Haryana

- Piccadilly Agro Industries Ltd.
- Shahabad Co-Operative Sugar

While being present in Africa SAISIDHA also has a strong global presence in Latin America in countries such as **Belize, Costa Rica, Guatemala, Mexico & Nicaragua**

OUR

Certification & Affiliations



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Nuclear Power Corporation of India Limited



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