

SUGAR MILL

Pre-Milling Section



- **Hilo Unloader**
- **EOT / HOT Crane**
- **Cane Carrier Slats**
- **Leveller Rotor Assembly**
- **Cane Cutting Knives**
- **Rakes**
- **Hydraulic Grab**
- **Feeder Table Assembly**
- **Chopper Rotor Assembly**
- **Fibrizor Rotor Assembly**
- **Fibrizor Hammers**
- **Hammer Tips**



HILO UNLOADER

- Hilo Unloaders are Robust, Self-supported and all steel construction built to operate with either using hydraulic cylinders or electric winch with rope drum.
- Equipped with hydraulic power pack and cylinders for lift control, hook position control and vehicle tilt control mechanism, while the movement on rails will be controlled with Hydraulic.



HYDRAULIC GRAB

- Designed upto 5T Cane handling capacity per cycle.
- Opening and closing action of the grab is meticulously controlled by Hydraulic Cylinders.
- Material:
All Steel Construction



EOT CRANE

- Single / Double Girder type Electric Over Head Travelling (EOT) / Hand Operated (HOT) Cranes.
 - Capacity : Upto 100 Tons
 - Span : Upto 35 Mtrs.
 - Lift : Upto 80 Mtrs.
 - Design : IS 3177 & IS 807



FEEDER TABLE

- Customized sizes as per the clients requirement
- Supported on Steel Structure designed to withstand Heavy Shocks.
- High Strength Feeder Table Chain
- AC Variable Frequency drive for speed control



CANE CARRIER SLATS

- Quality Slats for Cane Carrier, Inter Carrier & Bagasse Carrier.
- Slats are interchangeable & easily replaceable.
- Slat holes are precisely punched to suit chain attachments.
- Material - Mils Steel / Carbon Steel



CANE CUTTING KNIVES

- Cane Cutting Knives :
 - Self Sharpening Forged Hardfaced Edge
 - Hardfaced With Detachable Carbide Tip
- Material - Mild Steel / Forges Steel
- Hardfaced with special shock resisting steel stellite carbide edge Hardness 53 - 58 HRC.
- Stress Relieved after Hardfacing.



CHOPPER ROTOR ASSEMBLY

- Cane Chopper is generally provided at start of inclined portion of Cane Carrier.
- Chopper rotates in opposite direction of cane flow.
- Knives are secured on cast steel hub of IS: 1030 Gr. 280-520W mounted on a forged steel shaft of 45C8 quality.



LEVELLER ROTOR ASSEMBLY

- Cane Leveller is generally provided on inclined portion of the Cane Carrier.
- Leveller rotates in direction of cane flow.
- Knives are secured on cast steel hub of IS: 1030 Gr. 280-520W mounted on a forged steel shaft of 45C8 quality.



**FIBRIZOR ROTOR
ASSEMBLY**

- Prepares the cane before Juice extraction to increase crush rates at the line.
- Exposes more Fiber particles and ruptures more sucrose bearing cells than kniving alone.
- Contains Hammers with replaceable Tips four arm type integral, specially designed Rotor Discs eliminate failure against shocks.



FIBRIZOR HAMMERS

- Fibrizor / Shredder Hammer with :
 - Gun Metal / Bronze / SS Bush
 - Replaceable Carbide Tips
 - High Tensile Bolt with Spring Washer / Lock Plate
- Material - Mild Steel / Forged Steel
- Hardfaced - HRC 55 - 60



HAMMER TIPS

- High Fibre Replaceable Carbide Tips
- Hardfaced with Tungsten Carbide Lining
- Hardness - 62 - 64 HRC
 - Cost effective compared to Hard facing
 - Better Edge Retention
 - Eliminates Rebuilding
 - Easy to Change



RAKES

- Fabricated Rakes for :-
 - Rake Carrier
 - Inter Rake Carrier
 - Bagasse Carrier
- Material - Mild Steel, IS-2062