

PARASON HI-CON PULPER AND DILUTION PULPER

For Optimised Fiber Treatment



PARASON

HI-CONSISTENCY PULPER

Parason Hi-consistency pulper operates with special stainless steel cast rotor.

The Geometry, profiles, curvatures and large surface area of rotor transmit the energy to fibers and generate fiber to fiber friction due to Hi-consistency. This process leaves the contaminants uncut and helps to retain the fiber in its original shape.

VERSATILE EQUIPMENT FOR

- ◆ Newsprint mills
- ◆ Writing & printing mills
- ◆ Board mills
- ◆ Kraft mills



ADVANTAGES OF PARASON CASTED HIGH CONSISTENCY ROTOR

Cast construction

- ◆ Strongest Construction
- ◆ Homogenous microstructure from surface to core
- ◆ Strong, sturdy & easy to install
- ◆ No Distortion

Austenitic Stainless steel
Material of construction

- ◆ Superior grade
- ◆ Better toughness
- ◆ Corrosion resistant

Profile and geometry

- ◆ Perfect engineered contours
- ◆ Unchanged geometry after long use
- ◆ Consistent performance as of tool

Accurate machining

- ◆ Zero eccentricity
- ◆ Perfect right angle arrangement.

Hardened edges

- ◆ Uniform slushing
- ◆ Long service life

Balancing

- ◆ Expert computerized system
- ◆ Precision rotation

Proven technology

- ◆ Possible to slush wide range of raw materials
- ◆ Can slush at high consistency
- ◆ Uniform slush
- ◆ Low power consumption
- ◆ Long Life

SAILENT FEATURES OF PARASON PULPER

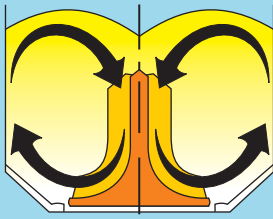
EXCELLENT DEFIBERIZING

Fiber to fiber friction creates excellent defiberizing and maintained the fiber length in original size. This keeps the fiber length in original size (almost uncut)

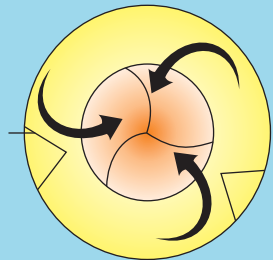
EASY SEPARATION OF FIBERS & CONTAMINANTS

Minimal breakdown of contaminants such as plastics, films, adhesives, hot melts, etc. helps easy removal from fibers.

Circulation of stock in PARASON Pulper

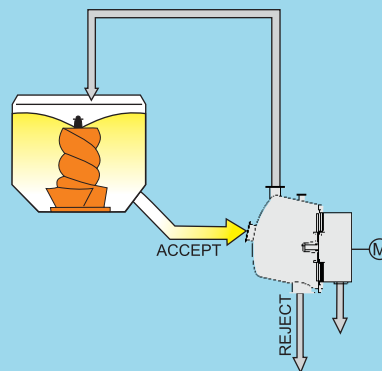


Cross - Section View of PARASON pulper

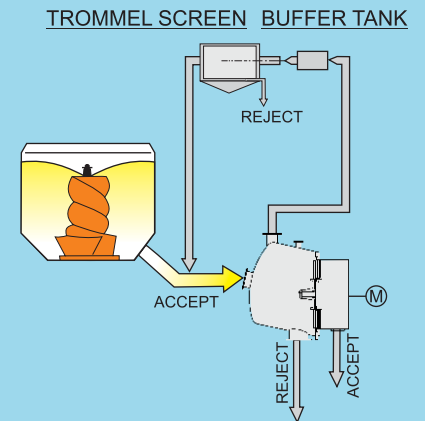


top view of PARASON pulper

APPLICATION LAYOUTS:



REJECT PULPER DILUTION PULPER



REJECT PULPER DILUTION PULPER

HELPS DE-INKING

Efficient fiber to fiber friction separates ink, pigments binders etc. with the help of chemicals in pulper.

ENERGY SAVING

Energy transfer is used skillful by friction between fibers due to perfectly correct surface contours of flight. This energy consumed subsequently reduces power in proceeding process.

STEAM SAVING

Compared to low consistency pulper, the only one third of water quantity is required to be heated thus saving in steam consumption.

CHEMICAL SAVING

Compared to low consistency the pulper water requirement is reduced therefore the effect of chemicals is concentrated from this reduces chemical consumption drastically.

HIGHER PRODUCTIVITY

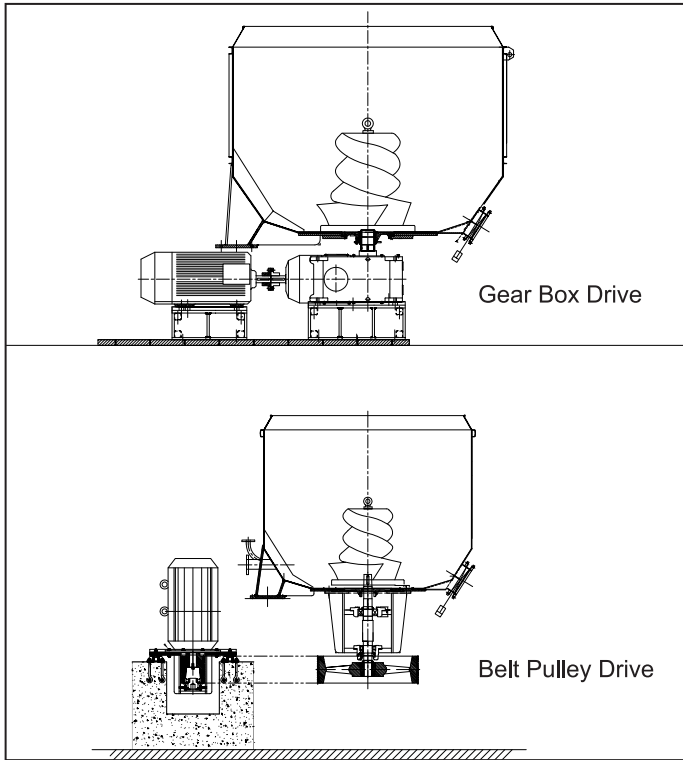
High consistency pulping requires less floor area and increases output.

PARASON HI-CONSISTENCY PULPER & DILUTION PULPER SYSTEM

Hi-Consistency pulper is connected with dilution pulper. The dilution pulper has due function of separating the plastics and other foreign material as also dilute the high consistency for stock transfer for further processing. This pulper has 6-8 \varnothing mm drilled screen plate with plate with impeller rotating against the screen. The impact of impeller separates fiber from the rejects, hence working most efficiently for fiber recovery.

THE ADVANTAGES ARE

- ◆ Uncut contaminants from Hi-consistency pulper are removed with negligible fiber loss.
- ◆ The hi-consistency pulper is ready for next batch immediately after emptying out as the isolating valve isolates, Dilution pulper from main pulper. Thus max operating efficiency of pulper.
- ◆ The dilution pulper works as first coarse screen thus reducing load on proceeding equipments.
- ◆ Removal of large foreign contaminants eliminates risk of stock pulp jamming in successive operation.



PARASON DILUTION PULPER

Installed adjacent to Hi-consistency pulper, the diluted pulp passed through a rotor & screen at 4% consistency.



PULPER CONVEYOR

Parason also supply slat conveyor for Hicon pulper with weighing arrangement.

HICON PULPER

Capacity of Pulper Tub	Approx Production	Installed Power
4M ³	30TPD	90 KW
5M ³	40 TPD	100KW
6M ³	45 TPD	110 KW
8M ³	60 TPD	160 KW
10M ³	75 TDP	200 KW
12M ³	90 TDP	220 KW
15M ³	110 TPD	270 KW
**18M ³	130 TPD	315 KW
**22.5 ^M	160 TPD	350 KW
**25M ³	180 TPD	400 KW
**30M ³	215 TPD	500 KW
**35M ³	250 TPD	550 KW
**40M ³	280 TPD	600 KW
**50M ³	350 TPD	700 KW

DILUTION PULPER

Model	Volume (M ³)	Installed Power
DLP - 07	0.5	25 KW
DLP - 09	1.0	35 KW
DLP - 12	2.3	55 KW
DLP - 13	3	65 KW
DLP - 12/15	4.0	75 KW
DLP - 15	4.5	90 KW
DLP - 18	6	132KW

* Production - TPD, Power KW depends on type of raw material cycle time, pulping time and technological properties

** Gear Drive

* Due to constant research, specifications are subject to change



Control Panel for
Hi-Con Pulper System



PARASON MACHINERY (I) PVT. LTD.

PARASONS HOUSE, 28, VENKATESH NAGAR, OPP. JALNA ROAD, AURANGABAD-431 001. (INDIA)

TEL. : +91 (0) 240 - 2339234/35/36/37, FAX:+91 (0) 240 - 2332944

CUSTOMER SERVICE NO. : +91 (0) 240 - 66 44 444, 6644200

Web : www.parasonmachinery.com E-mail : info@parasonglobal.com

Web : www.parasonglobal.com E-mail : parason@parasonglobal.com

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