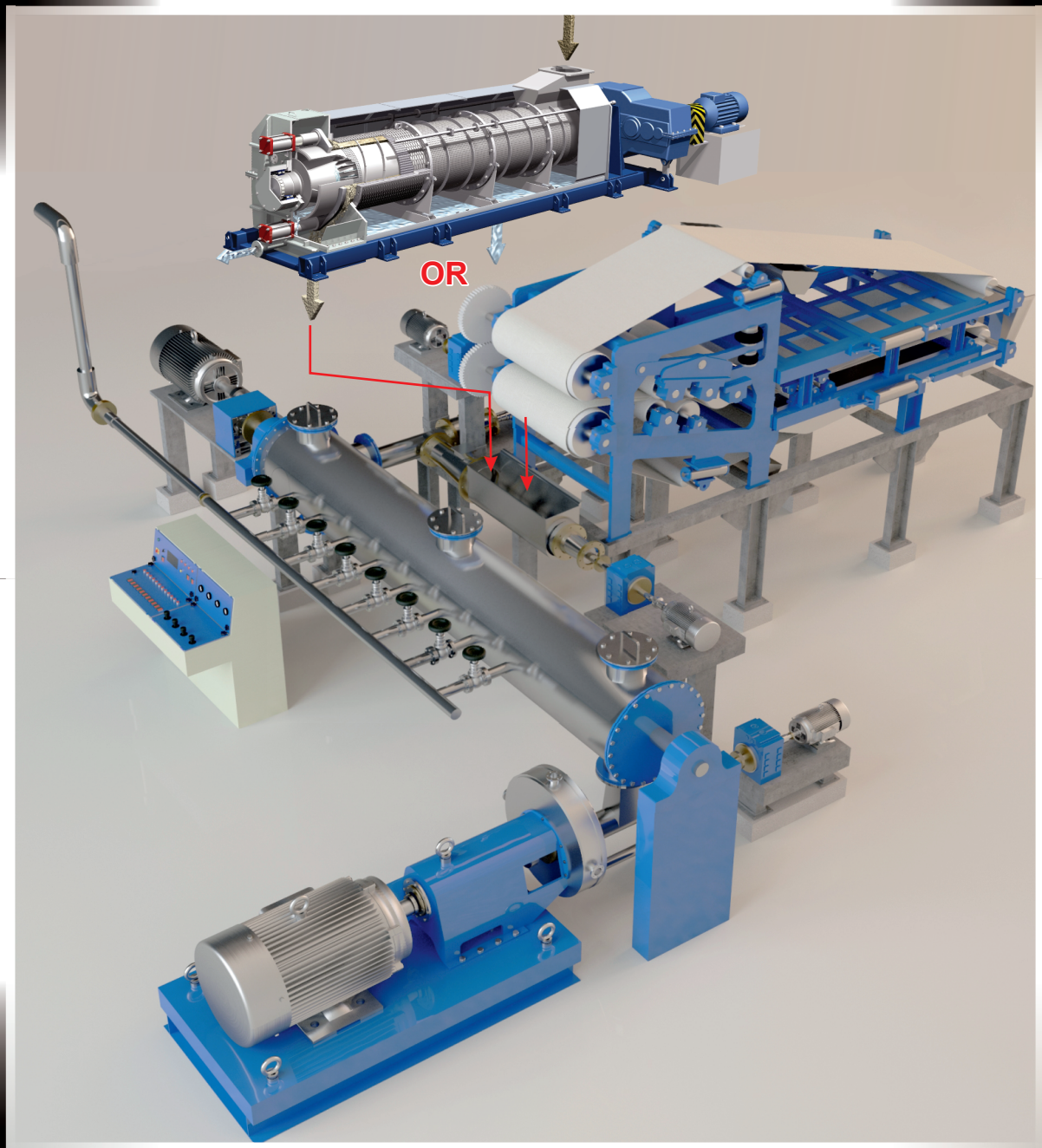




AMAR PRECISION INDUSTRIES

HOT DISPERSER SYSTEM



Correspondence Address

"Chandrika" 6, Yoginagar,
B/h. Sona Park, IOC Road,
Chandkheda, Ahmedabad.
Pin : 382424.



+91 98256 12123



www.amarprecision.com



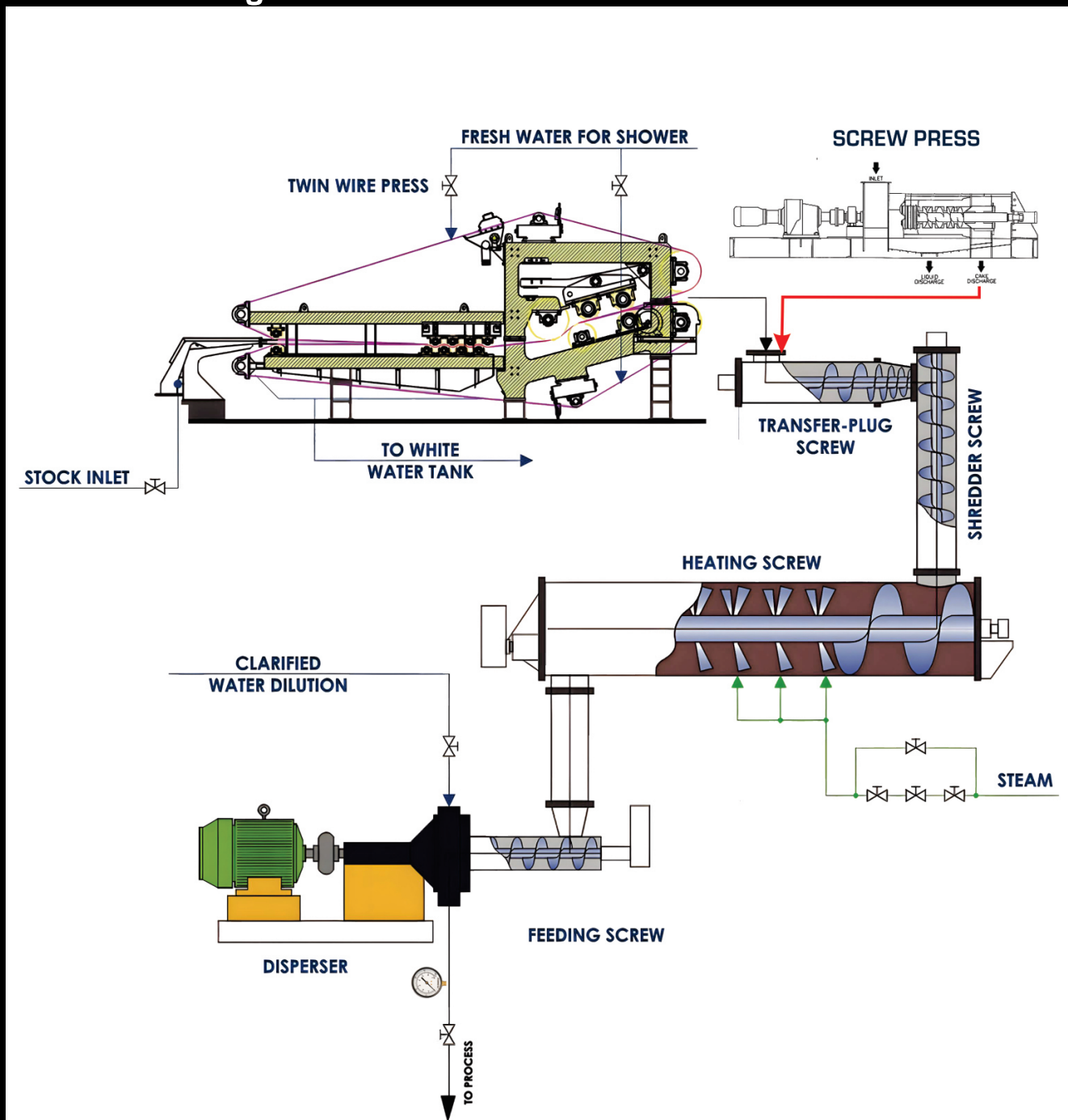
babulal@amarprecision.com
info@amarprecision.com
parmarbabulal@gmail.com

BASIC EXPLANATION

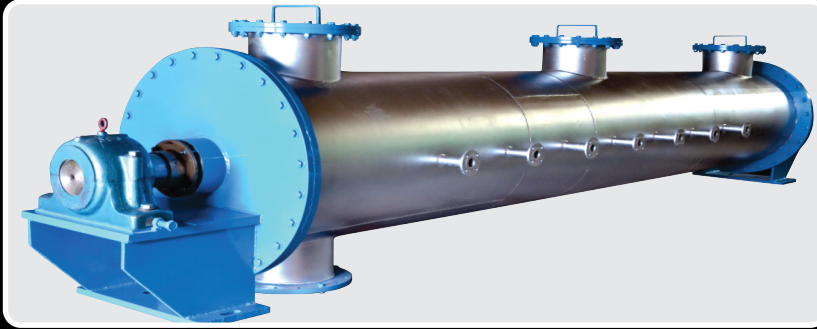
After Pulping the stock has been finely screened in a conventional waste paper recycling line, certain particles, hot melts, etc. still remain. The best option to get rid of these pollutants is a hot dispersion system. The system is made up of the following three key pieces of equipment:

- 1) Twin wire press / De-watering Screw Press.
- 2) Conveying and heating screws.
- 3) Disc disperser.

Flow diagram of HOT DISPERSER SYSTEM



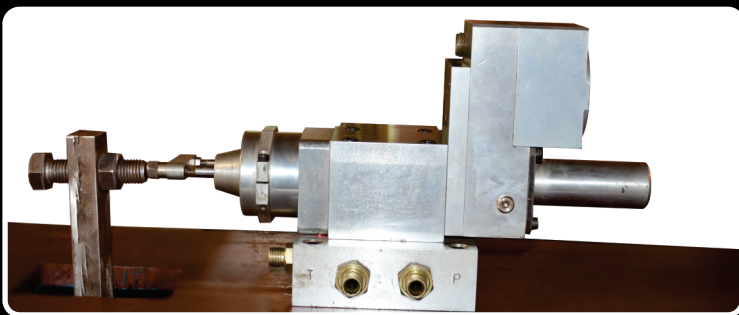
The stock after having screened and de-inked is fed to the twin press @ 4% cy, for the purpose of dewatering and thereby getting higher cy. i.e. 30%. Significant features of this equipment are less power consumption and a very good filtrate water quality.



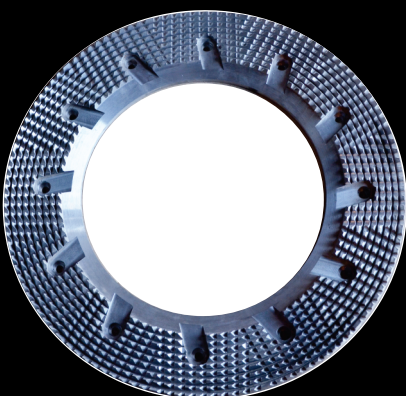
This dewatered stock of 30% cy. is passed through various screws including heating screw in order to get the stock temperature as high

as 120 C. Such high temperature "re-cooks" fibers, which develop more flexible.

After passing through heating screw, the stock is fed to disc disperser through feeding screw. At high temperature and high shear force impurities such as specks, hot melts etc. get dispersed. It reduces drastically the size of sticky particles in micron so it is invisible. Further, these heated fibers pass through a very small gap without getting any cutting action (unlike they face in refiners). Thus, the inherent strength properties of the fibers remain unaffected.



A very precise electro-hydraulic setup enables exact disc gap in the region of 10 microns or less.



The vast number of sharp devil teeth on the newly designed disc are precisely manufactured and contoured to efficiently scatter contaminants and significantly minimize specks. Uniform distribution and hassle-free installation are guaranteed by one-piece construction.

Distinct Advantages

- Substantially reduces issues of stickies / hot melts.
- Improves machine runnability.
- No need of refining so no cutting action of fibers and therefore better strength improvement.
- Extensively improves paper cleanliness and look.
- Low energy consumption.



| Model Differentiate by size | | | |
|-----------------------------|---------------|---------------|------------|
| Sr. No. | Model Size | Capacity | Power (KW) |
| 1 | ADD - 450 mm | 0 - 60 TPD | 160 - 250 |
| 2 | ADD - 710 mm | 60 - 250 TPD | 250 - 600 |
| 3 | ADD - 1050 mm | 250 - 600 TPD | 600 - 1500 |

** The information provided in this table may change at any time due to ongoing development.*



Works : Amar Precision Industries,

Plot No. 382 & 397, Vivekanand Industrial Park,
kubadthal, Ahmedabad- Indore Highway,
Ahmedabad- 382433



+91 99250 11838