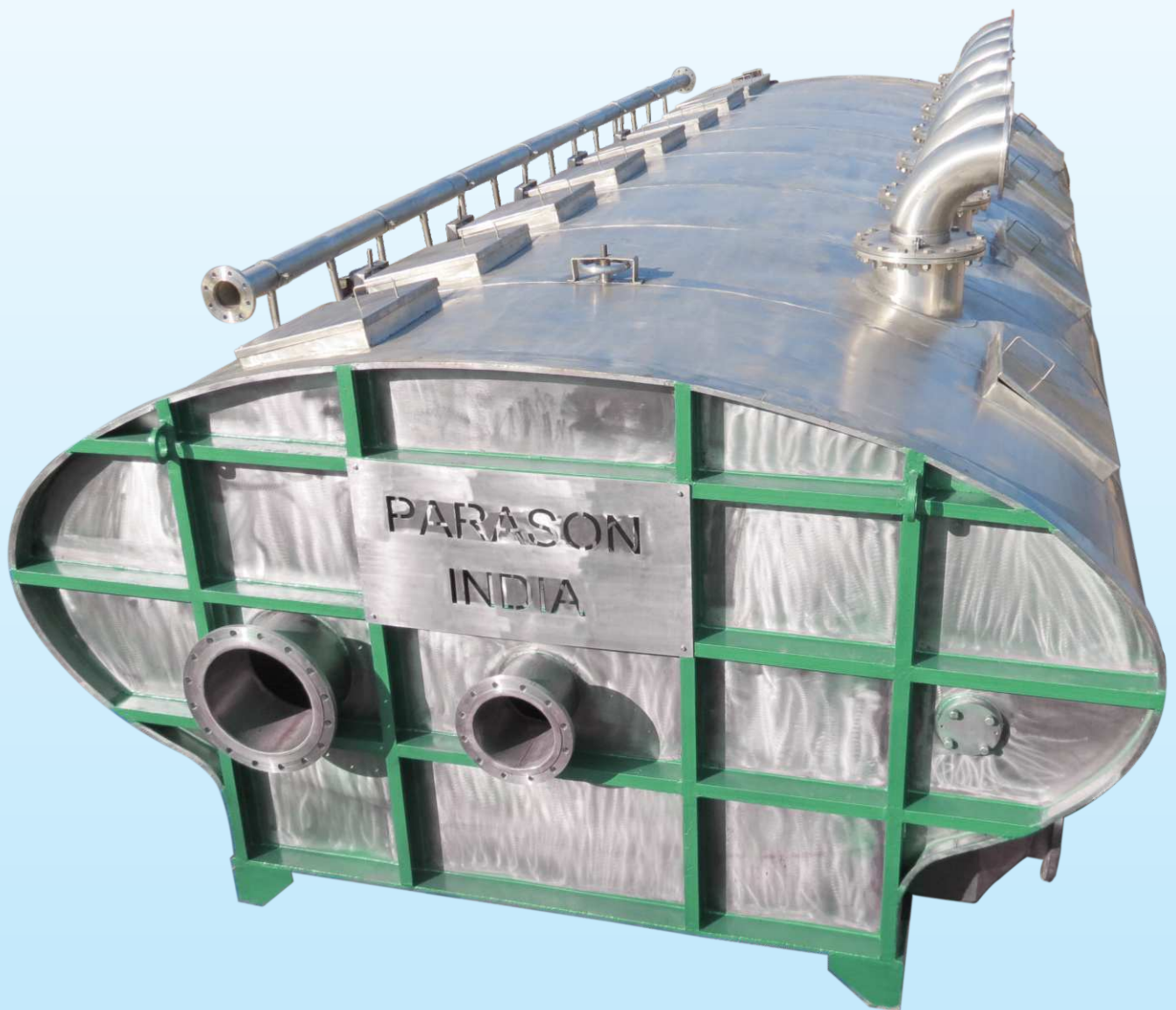


PARASON DE-INKING CELL

**REMOVAL OF
PRINTING INKS, STICKIES
FROM SECONDARY FIBER STOCK**



PARASON DE-INKING CELL



The purpose of de-inking is to remove the printing inks and other substances like stickies that might effect the paper making process or the final properties of the paper. In a de-inking process the ink should be first detached from the fiber. Flotation technology with high efficiency provides high yield of fibers and simple handling with maximum operating reliability.

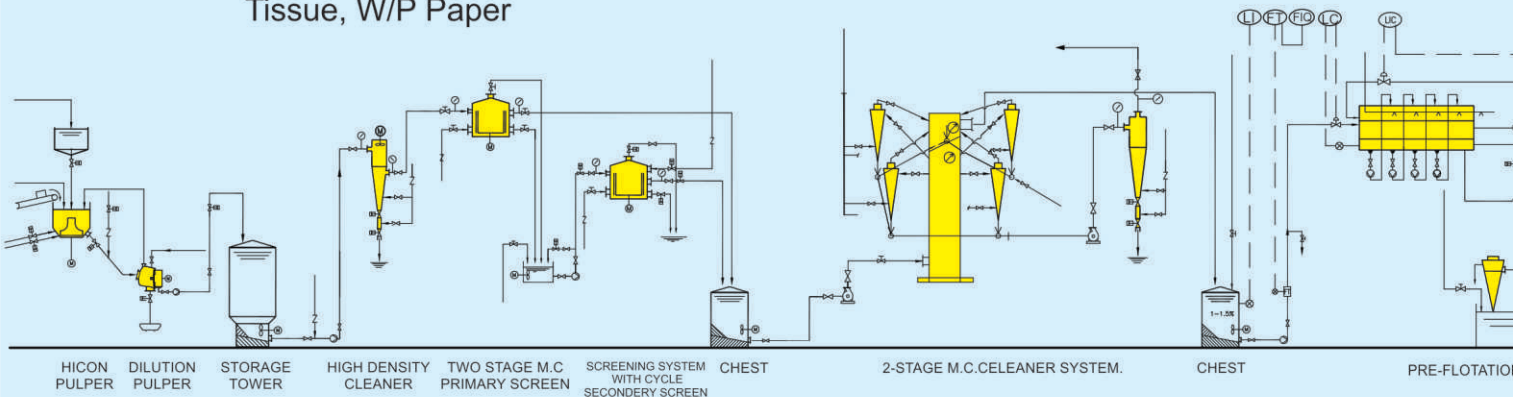
PRINCIPLE OF OPERATION :

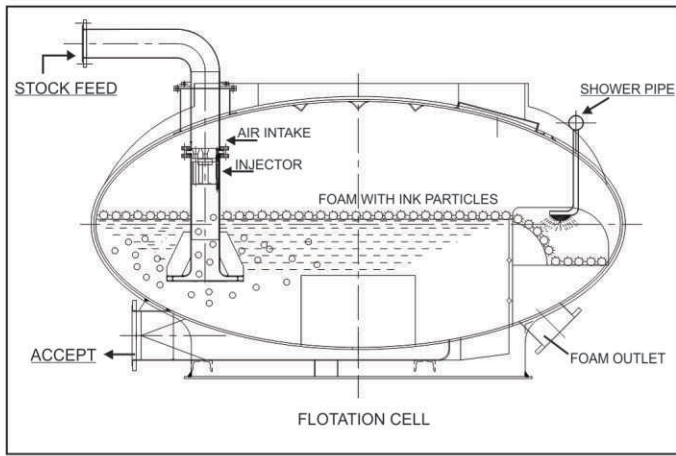
The Parason De-inking cell consists of number of cells in series with elliptical cross section with a baffle extending over the entire length to separated suspension chamber. Air (at the atmosphere pressure) and pulp stock to be de-inked is introduced into the cell chamber through injectors. Flow through nozzles generated vacuum which sucks in the necessary process and generates micro turbulence resulting in widely ranging bubble sizes enabling efficient removal of an equally wide range of particles size. This enhances brightness to a high degree and reduces dirt specks and stickies efficiently. The injectors optimize the quantity of the air injected and the size of the bubbles generated.

The pulp stock freed from ink is pumped from the bottom of one cell to the next cell. The ink laden foam overflows to the foam chamber with the help of motorised paddle.

TYPICAL SYSTEM

Furnish: Waste paper
Product: Newsprint, Tissue, W/P Paper



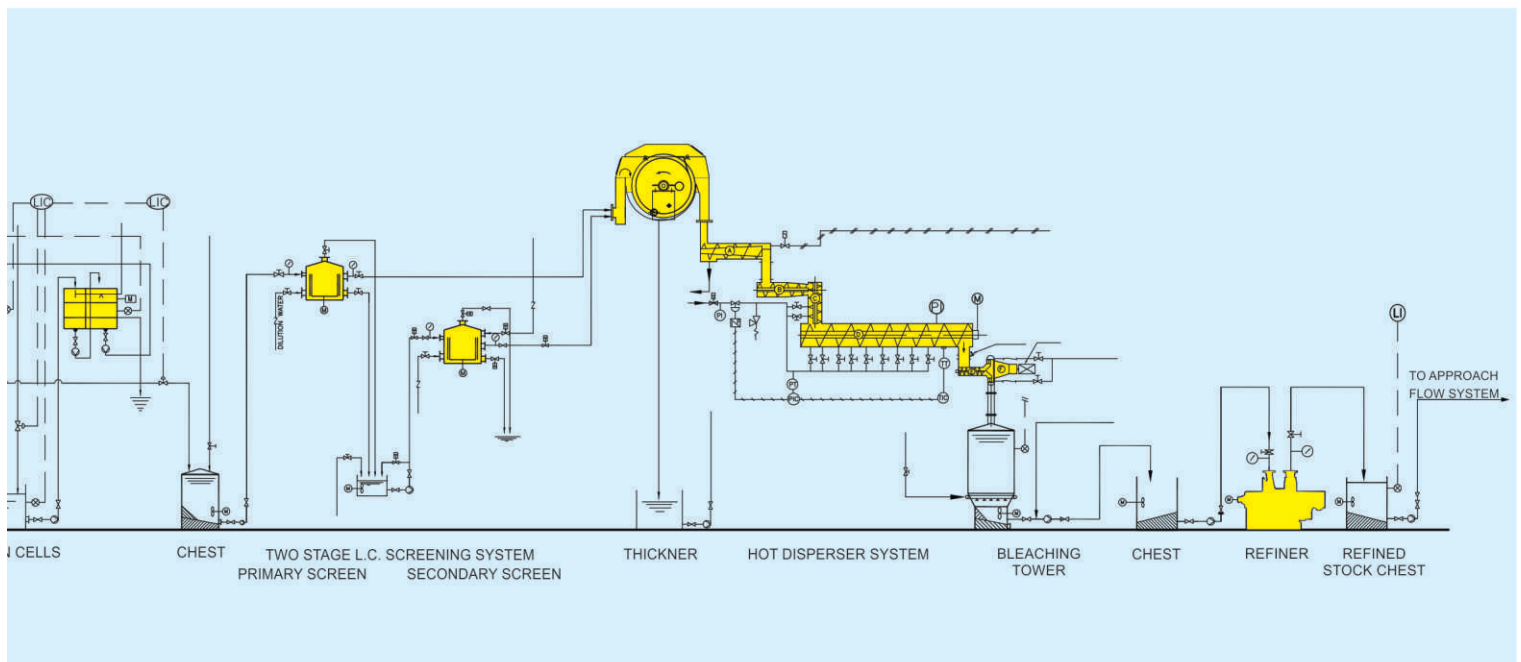


Salient features of the PARASON DE-INKING CELL

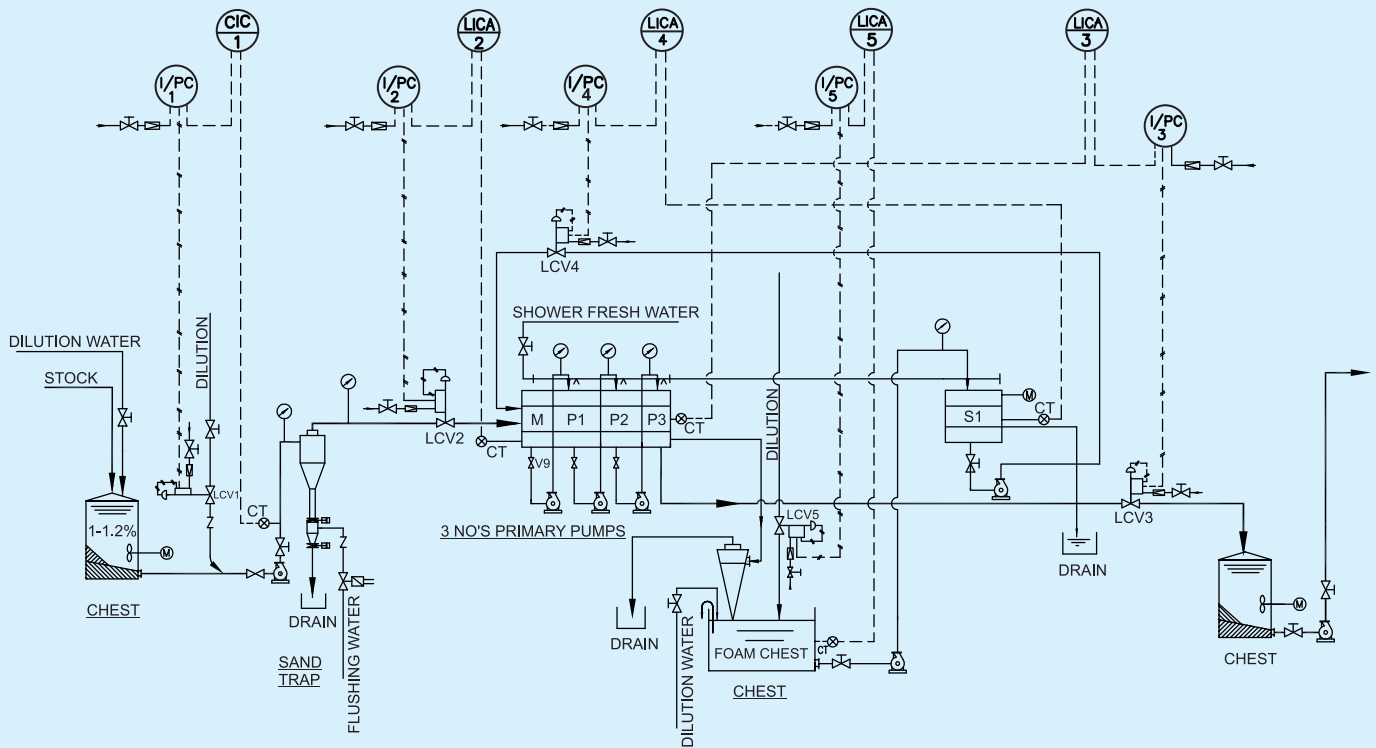
- ◆ Highest possible degree of brightness is achieved.
- ◆ Improved optical cleanliness in recovered paper stock.
- ◆ No sizing restrictions.
- ◆ Single level control loop operation.
- ◆ Optimized flotation yield at secondary stage without loss of brightness and cleanliness.
- ◆ Very low fiber loss in the de-inking process as the foam is treated in a cascade process.
- ◆ High percentage of ash in reject resulting in low fiber losses.

Flotation process operated a continuous mode and helps to remove ink particles efficiently. Since the cells are interconnected by opening only level control system is required for entire flotation machine.

The primary flotation stage ensure highest possible stock purity and the secondary stage optimized flotation yield without an loss of brightness and cleanliness. A De-aerator cyclone removal air from the stock and usable fiber are recovered from the foam



PROCESS AND INSTRUMENTATION



----	ELECTRICAL SIGNAL LINE 4 TO 20 mA	⊗	MANUEL VALVE
—•—•—	PNEUMATIC SIGNAL LINES 0.2–1.0KG/CM ²	⊗	TRANSMITER
⊗	AIR FILTER REGULATORS WITH OUTPUT GAUGE	⊖	INDIATING CONTROLLER FOOT MOUNTED
→	FIELD AIR SUPPLY 7 Kg/CM ²	○	I/P CONVERTER FIELD MOUNTED
⊕	CONTROL VALVE WITH POSITIONER	⊕	PUMP
Z	NON RETURN VALVE	⊙	PRESSURE GAUGE (PULP)
⊗	SHUT OFF VALVE	⊗	ELECTRICALLY ACTUVATED VALVE

- ◆ Throughput depends on pulp grade, consistency & specified technological properties
Hydraulically attainable maximum throughput are substantially higher.
upon request data will be indicated after our engineers have studied your requirements.
- ◆ Due to constant research and development specifications are subject to change

WE OFFER HI-QUALITY CONSTRUCTION OF MACHINERY AND COMPREHENSIVE SYSTEMS ENGINEERING, WE SOLVE EACH RECYCLING TASK QUITE INDIVIDUALLY.



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Parason... Leader in stock preparation