

Beloit's unique pressurized design delivers unmatched removal efficiency.

Beloit introduces a new generation of technology for deinking systems: our Pressurized Deinking Module (PDM). It features pressurized flotation that removes the widest possible range of ink particle sizes with minimum rejects. That means maximum yield for your deinking operation.

PDM transforms flotation technology.

The innovative PDM improves conventional flotation technology with three unique functions. (1) A dedicated mixing zone maximizes ink attachment. (2) The escaping air removes the inky rejects. (3) Totally enclosed design concept eliminates atmospheric pollution and enhances mill housekeeping.

Three separate stages optimize deinking performance.

First, high pressure aeration produces a wide spectrum of air bubbles which are introduced into the chamber. Secondly, the dedicated, intensive mixing maximizes both the collision frequency and attachments of the ink particles and air bubbles. Finally, in the separation

zone, the ink particles are carried away in the rejects, and the cleaned stock enters the accepts. The results: maximum ink removal efficiency at a wider ink particle size spectrum.

Beloit's investment in research produces a fundamental understanding of deinking mechanisms.

The revolutionary PDM concept is the result of Beloit's three-step approach to deinking system research: (1) We pioneered the development of analytical techniques to identify and quantify ink particles. With Automatic Image Analysis system we can measure the performance of deinking units and systems. (2) This data

