



INCREASE SERVICE LIFE, REDUCE INSTALLATION TIME AND COST

Modular CDI Disc Filter Center Shaft

EASY REPLACEMENT OPTION

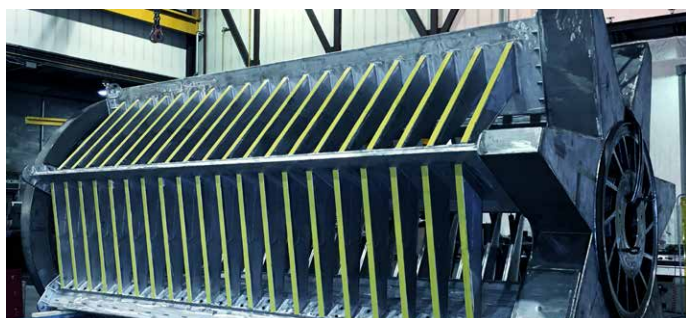
The disc filter is crucial in stock prep operations, serving as both a thickener and a white-water save-all unit. The Celleco® CDI Disc Filter, widely used in North America, features a unique center shaft design with 7 filtrate collection veins feeding a star chamber.

However, the original OEM center shaft design creates extra stress at key points, increasing the risk of cracking, downtime, and expensive, difficult replacements due to its one-piece construction.

The innovative ANDRITZ Modular CDI Center Shaft uses a bolted modular design, reducing stress, simplifying installation, cutting maintenance costs, and improving reliability for disc filter operations.

Modular shaft solution

The one-piece OEM design of the Celleco CDI center shaft causes stress at critical weld points and can lead to cracking and ultimately failure. The ANDRITZ Modular CDI Center Shaft utilizes a bolt-on method for the construction of the center shaft. By bolting the filtrate veins to the floating bearing ring and star collection chamber, we ensure excellent concentricity and the elimination of residual stresses common to a single-weld fabrication.



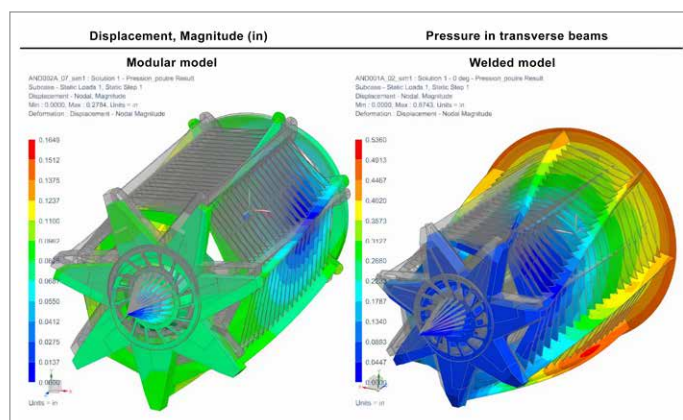
CDI 5M Modular Center Shaft complete assembly

BENEFITS

- Reduces residual stresses for longer service life
- Lowers installation costs and time
- Fits in tight spaces



ANDRITZ Modular CDI Center Shaft with mounted sectors



Finite Element Analysis (FEA) of modular vs. one-piece design

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ANDRITZ

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