

# BELZONA EXTENDS THE LIFE OF THIS SCREW PRESS

ID: 288

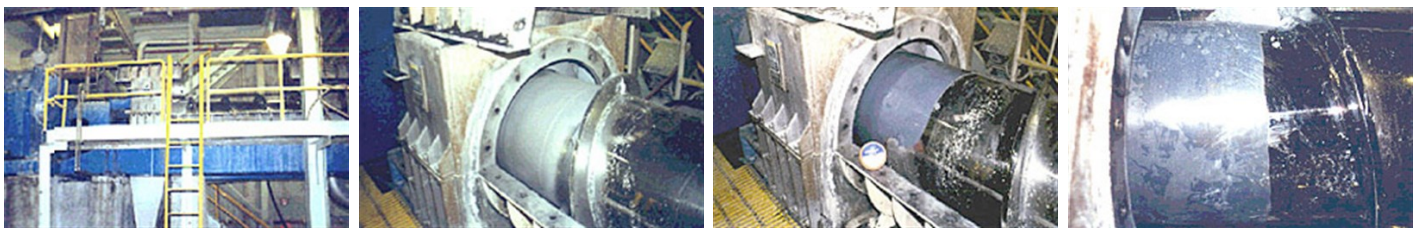
Industry: *Pulp & Paper*  
Application: *SHM-Solids Handling Machinery*

Customer Location: *Paper mill in Wisconsin, U.S.A.*  
Application Date: *1999*

Substrate: *Steel*  
Products: *\* Belzona® 1311 (Ceramic R-Metal) ,*  
*\* Belzona® 1321 (Ceramic S-Metal) ,*

## Problem

*The Andritz Screw Press is used to remove water and thicken the pulp stock. The screw shaft on this machine lost nearly half of its 7/8" wall thickness due to abrasion from the fiber as it is pressed against the screw.*



## Photograph Descriptions

- \* Overall view of the Andritz screw press ,
- \* Surface preparation by grit blasting ,
- \* Finished application ,
- \* After 6 months of operation ,

## Application Situation

Shaft wall thickness of an Andritz Screw Press.

## Application Method

The application was carried out in accordance with Belzona Know-How System Leaflet SHM-14.

## Belzona Facts

The shaft had previously been resurfaced by welding at a cost of \$12,000, but only lasted 18-months. The manufacturer recommends that the screw only be welded once and then replaced at a cost of \$80,000. After 6 months of service, over 75% of the top 0.040" layer of Belzona was still intact

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

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