

## **Press Section Modification for FBB / SBS Grades**

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The press section on the board machine BM 2 at Iggesund Workington was one of the oldest sections of the machine and the bottle neck for the production. After several evaluations which concept could fulfil the new requirements Iggesund Workington decided for ANDRITZ to install a complete new press section with a configuration of a double felted Jumbo press roll for the first press nip, double felted shoe press (PrimePress X) for the second press nip followed by a un-felted smoothing press on the last press nip position.

Today straight through press sections for cartonboard production is the favoured arrangement for the multi-layer board grades with high basis weights. The pay-back calculation of a project is nowadays not only calculated over more production but also lower energy consumption, adaption needed for civil construction during the rebuild phase influences the total project investment. Furthermore the technology concept must fulfil the quality requirements in aspect of surface smoothness and bending stiffness at reel.

With this presentation Iggesund Workington and ANDRITZ will introduce why the first press nip was equipped with a jumbo press roll and how the new press section can reduce energy for machine speeds where no nip dewatering is available. Today the press section should have maximum flexibility for using different felt designs like seam or seamless felts. The state-of-the-art solution for new board and paper machines is to use cantilever beams to get seamless felts into the machine. In the case of Iggesund Workington the framing design considers working without cantilever beam for seamless felts.