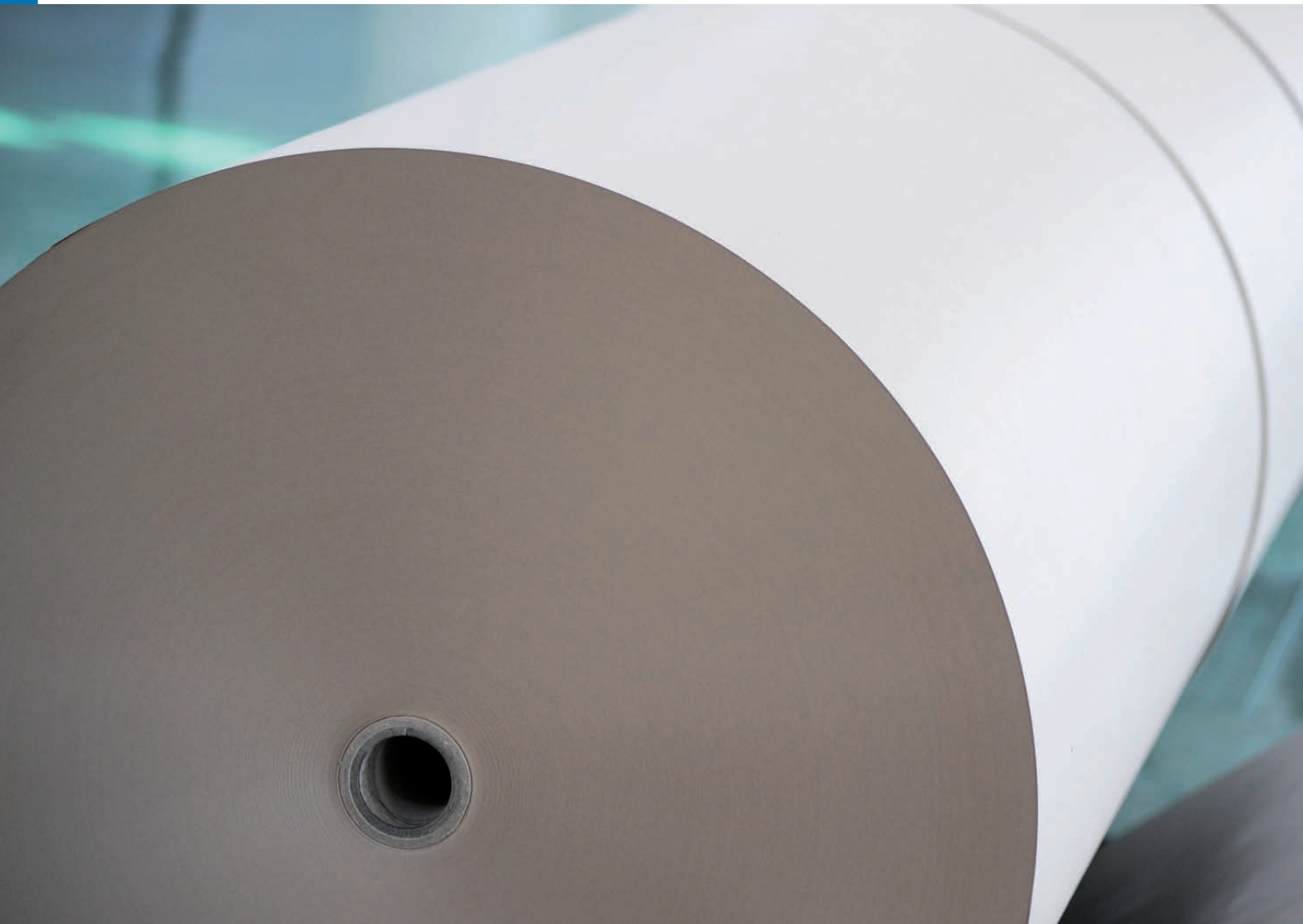


# Hebei Yongxin Paper

Complete ANDRITZ packaging paper line



# The challenge: reduced risk and best performance for an integrated production line

Hebei Yongxin Paper, a leading manufacturer of high-quality packaging paper products in Tangshan, Hebei Province, China, selected ANDRITZ as its single supplier to get a high-quality production line: unified design - from stock preparation to the reel including a winder and complete plant automation - and guaranteed performance were part of the scope of supply.

*'The start-up was very smooth thanks to ANDRITZ's advanced technology and our good cooperation with ANDRITZ. We have every confidence that the new line will meet the growing demand for packaging paper in the northern part of China'*

Wu San Luo, General Manager of Hebei

## Successful start-up

- 31st of March, 14:08 first OCC on pulper feeding conveyor, 16:30 first stock in storage tower
- 1st of April first stock on wire
- 4th of April first paper in film press pulper
- 6th of April first full sheet on the reel
- 9th of April first complete parent rolls finished
- 10th of April first roll cut

## THE MACHINE

The *PrimeLine* paper machine has a wire width of 6.2 m and a design speed of 1,100 m/min. It will produce over 400,000 t of kraftliner and linerboard per year in a basis weight range of 100 - 200 g/m<sup>2</sup>.

The machine concept includes head-boxes with dilution control and a 3-layer fourdrinier former, *PrimeForm SW*, in cantilever design and a double shoe press, *PrimePress X Twin*.

The complete dryer section (pre-drying section of eight groups and after-drying section of three groups) is partly single- and double-tier and is equipped with a calender, a film press and an air turn.

The *PrimeReel* is used for winding parent rolls up to max. 3.6 m diameter.

# From the first piece to the last - a **complete** ANDRITZ solution



Complete stock preparation plant



Film press, calender, double shoe press



Complete plant automation

## STOCK PREP

The machine is furnished with pulp from a 350 t/d AOCC line, 1,000 t/d LOCC line and UKP line for the top ply. Both OCC lines comprise a low consistency state-of-the-art low power FibreSolve pulping system followed by high-density cleaners, coarse screens, fractionator, forward and reverse cleaners, fine screens, dispersion, thickening and refining. The 200 t/d UKP line provides pulp for the top ply. The three separate approach systems include a slotted screening system. The save-all and broke system, including under machine pulpers, were also supplied by ANDRITZ.

## FINISHING

The *PrimePress X Twin* (double shoe press) ensures efficient, but gentle dewatering, while saving bulk. The Hard-Nip Calender smooths the liner in an optimum way. To ensure that the fresh coated, wet liner can be deflected without touching any rollers, a *PrimeAir Glide* was included. To reduce downtime and increase operator safety throughout the whole liner machine three *PrimeFeeder* tail threading systems were installed. High operator safety convinced the customer of this product.

## AUTOMATION

ANDRITZ Automation provided the complete DCS system for the entire production line including fiber preparation, the paper machine, the dryer and paper finishing. The service included start-up, commissioning and remote maintenance. All installation equipment meets the high level of ANDRITZ automation. Such high level automation gives the customer the best opportunity to easily monitor the whole plant.



# PrimeLine paper machine at Hebei

## Technical data overview



### Hebei Yongxin Paper

Hebei Yongxin Paper is the leading packaging paper manufacturer in Tangshan, China. With the new ANDRITZ line Hebei will become the largest containerboard producer in Northern China.

### Joint efforts for an efficient project

Technologies, competence and deliveries from various locations within the ANDRITZ Group were merged into a successful project. ANDRITZ AG, Graz, Austria took overall responsibility for process design, engineering, manufacturing of key components, project management and performance. ANDRITZ Technologies Ltd., Foshan, contributed with the delivery of main parts of the stock preparation lines, comprehensive framing sections, drying cylinders, rolls and air handling systems.

### Key data of the machine

Start up year / country	2009 / China
Wire width	6,200 mm
Drive speed	1,100 m/min
Design speed	1,100 m/min
Product	high-quality kraftliner, linerboard
Furnish	100% OCC (different grades)
Basis weight at reel	100 - 200 g/m <sup>2</sup>

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