



VanTek No. 201 – 4.8m Coated Printing & Writing PM

GENERAL:

Metso, rebuilt 1992 & 2010

Trim width 4.8m
Max speed: 750 m/min
Capacity: 110,000 tons/year
Grades: Coated woodfree/freesheet
Basis weight: 60 g/sq.m coated (base weight 37 g/sq.m) to 250 g/sq.m

Stock Prep:

Voith Batch pulper

- 45 cubic meters, 315 kW motor, 900 rpm, Cellwood Grubbens rotor, V-belt driven

Voith Swing conical refiners (2)

- Model 2RS, 325 kW motor, 6kV

Bolton Emerson refiner

- Model 202, 285 kW motor, 380V, Claflin conical refiner

Voith Disc Refiner

- Model TF2E, 500 kW motor, 6kV

Jylhavara Conical refiner

- Model JC01, 200 kW motor, 900 rpm

Jylhavara Conical refiner

- Model JC01, 200 kW motor, 900 rpm

Ahlstrom Screen for broke

- MODUScreen F0, primary screen, slot width 0.15mm

Ahlstrom Screen for broke

- MODUScreen F0, 2nd screen, slot width 0.15mm

Clark & Vicario Deculator

- accept receiver dia 1.8 x 6.5m, 1st & 2nd stage receiver

Ahlstrom Cleaner Stage 1

- AHL Cleaner RB 300

Ahlstrom Cleaner Stage 2

- AHL Cleaner RB 300

Escher Wyss Cleaner Stage 3

- HC5-TB3

Escher Wyss Cleaner Stage 4

- HC5-TB3, with fibre saving

(2) Ahlstrom Approach Screen

- Bird Centriscreen MB14, slot width 1.25mm, screens in parallel

KMW Secondary Screen

- Bird centriscreen MB10, slot 0.2mm

Metso Tertiary Screen

- TAP25, slot width 0.15mm

Paper Machine:

Headbox:

- Metso Symflo, Max 51,000 l/min, 5130mm wide, 54 zones, Jetmatic profile control

Fourdrinier:

- Wartsila (Metso), 5300mm wide, well equipped with ceramic foils and suction boxes

Forming Roll:

- NEF, 1200mm dia, including drop unit

Breast roll:

- Voith Duo-shake, carbon fiber breast roll

Press Section:

- 1st press – Wartsila (Metso) suction roll, nip 75 kN/m, suction pick-up roll in group
- 2nd press – Kusters S roll, nip 90 kN/m, PU-roll blind drilled & grooved
- Center rolls – Stowe Woodward/Voith Ceramic coveret rolls, 1st and 2nd nip
- Smooth press – Wartsila (Metso), max 25 kN/m (normal 5-10), rubber coveret rolls

Vacuum system:

- Nash; 1xCL3000, 4xCL6000, & 1xCL6000(spare)

Pre-Dryers:

- Wartsila (Metso) – 32 cylinders 1500mm dia, 4 groups;
1st single felted, balance double felted



Post-Dryers:

- Wartsila (Metso) – 5 cylinders 1500mm dia. 5 bar steam pressure
Upper & lower group heat control

On-line coater:

- UMV – HSM wire application rolls of 12 – 19 g/sq.m each side
Supply loop each side

Infra-red dryer:

- Marsden – 2 rows; 1 MW natural gas-fired

Air turn:

- Spooner, right after Infra-red dryer

Hood Heat Recovery:

- E.V.Group – 2 columns each 4 MW for pocket air & district heating

Machine Calender:

- Kusters – 1 nip soft/soft, 180 kN/m, MHV roll for profile control

Reel-Up:

- Walmsley – 21 tonnes capacity, 10 spools, full automatic hydraulic

DCS:

- ABB – Advant 500

QCS:

- ABB – Smart Platform Scanners, SC 2 before HSM, 1 before Reel

Fail Detector:

- ABB/Ulma – for paper defects

Web Break Analysis:

- Papertech – Camera System, 10 cameras

Winder:

- Jagenberg – Vari-Dur 55-18, 2-drum, 1800m/min, 4800 mm max width
PU-covered rider roll, Tidland knives