4400 MM DECKLE SUCTION FORMER PAPER MACHINE

For more information contact john@linnmachinery.com
Paper Machine - Specification

Daily Production: up to 350 Tpd
Deckle: 4400 mm
Max operating speed: 500 m/min
Basis weight range: 90-220 g/m²
Product: Testliner & fluting
Raw material: Waste Paper

The paper machine has had a significant amount of capital improvement made from 1999.

It has a high level of process control and monitoring systems and large parts of the electrical distribution system had been upgraded in the last 5 years before in was closed during late 2012.
Stock Preparation – 2 Pulpers 500 Tpd

Pulping line 1
Stock Preparation – 2 Pulpers 500 Tpd

Pulping Line 1

- 1997 Pulper UP8 - 45 m3/ Andritz/ Screen plate holes 14 mm, Rotor 5 Wings/ Motor 500 kW/ 1500 rpm
- 2008 Converyer PB-1500x23375 /FMW
- 2010 Cutter DW 700/Lohse
- 2003 Reject Pump 2/350 / GW Fasertechnik / Motor 45 kW/1500 rpm
- 2003 Junk – Screen 17 /GW Fasertechnik/ Screen plate holes 22 mm / Motor 75 kW/ 1500 rpm
- 1997 Reject – Sorting Drum F 02/ Andritz/ Holes 16 mm / Motor 5,5 kW/ 1500 rpm
- 1984 Turbo separator STS30 /Voith/ Screen plate holes 2,4 mm, Rotor 3 wings/ Motor 200kW/ 1500 rpm
- 2008 Heavy Dirt Separator QFA HSC3 / Qualifiber/ throughput 1500-2500 l/min
- 1984 Turbo separator ATS21 /Voith/ Screen plate holes 2,4 mm, Rotor 3 wings/ Motor 200kW/ 1500 rpm
- 2003 Heavy Dirt Separator SS1 1500 / GW Fasertechnik/ throughput 1500-2500 l/min
- 2008 QFA Last Hole Screen ‘S’ / Qualifiber / Screen plate: holes 2,4 mm, Rotor: 3 wings, Screen cylinder: holes 2,4 mm / Motor 75 kW/1500 rpm
Stock Preparation – 2 Pulpers 500 Tpd

Pulping line 2
- 1986 Pulper HV-36 -004 - 36 m³ / Papcel incl. Conveyer / Screen plate holes 18 mm, Rotor 8 wings / Motor 250 kW / 600 rpm
- 1984 Turboseparator ATS21 / Voith / Screen plate holes 2,6 mm, Rotor 3 wings / Motor 200kW / 1500 rpm
- 2012 Heavy Dirt Separator QFA HSC2 / Qualifiber / throughput 1500-2500 l/min
- 1969 Double Disk Deflaker 2E / Voith / Motor 160kW / 1500 rpm
Sand Preparation – Fractionation/Refining

Fractionation
- 1997 Fractionator Omnifractor OF8 / Voith Sulzer/ Screen cylinder slots 0,25 mm / Motor 200 kW/ 1000 rpm
- 2008 Fractionator QFA Fiberfractor 2 / Qualifiber/ Screen cylinder slots 0,25 mm, Multifoil rotor / Motor 75 kW/ 1500 rpm

Refining
- 2004 2x Refiners Twin Flo TF2E / Voith / Motor 500 kW/ 1500 rpm
Stock Approach – Cleaning/Screening

Cleaning
- 2001 Cleaning system Cleanpac CLP700LD/FMZ – 5 Stages / (Number of Cleaners 29/16/6/3/1)

Screening
- Screen Vertikalsichter VS21/ Screen cylinder slots 0,25 mm / Motor 37 kW/ 1500 rpm
- Screen Minisorter ES 11/ Screen cylinder slots 0,25 mm / Motor 22 kW/ 1500 rpm
Fibre Recovery

- 2004 - Thickener AKSE 300/10 / Kufferath / Motor 75 kW/ 1500 rpm
- 1998 Krofta Supercell 27/ Krofta / max. 312 m3/h at 2200 mg/l
- 2002 Sludge thickener AKSE-S 175/03 with Flocculation reactor / Kufferath
- 2002 Sludge press AKUPRESS BX400LL/ Kufferath / Motor 30kW/ 1500 rpm
- 2000 Waste press, AKUPRESS A500 1-15 / Kufferath
Paper Machine - Forming

- 6x Suction formers Escher Wyss / Motor 37 kW/1500 rpm
- 1x Former inlet ‘Schwedt’ (reconstruction UTG/2004)
- 2x Former inlet with dilution water CD weight profile control (2006, 2007 – Float Lip Former/Voith)
- 3x Former inlet Escher Wyss (reconstruction UTG/2004)
- 6x Drive system from ABB, 1998, AOS station (6pcs) /Motor 37 kW/1500 rpm
- 6x Vertical sorter Bird M30 / Ahlström 1986 / Screen cylinder slots 0,35 mm / Motor 37 kW/ 1500 rpm
- 6x Mixing pump S250-430.6/ Andritz / Motor 132 kW/1500 rpm
- 2x Pump for dilution water S125-400.6 / Andritz 2006 / Motor 55 kW/1500 rpm
- Vertical sorter QFA Preassure screen 1 / Qualifieber 2008 / Screen cylinder slots 0,15 mm / Motor 22 kW/1500 rpm
Paper Machine - Press

1\textsuperscript{st} Press - Double zone vacuum nip press. 50,70 (100) kN/m
  • Rebuilt PAMA – 2001/ UMW – 2007
  • ABB Drive 1998, AOS station

2\textsuperscript{nd} Press - 140kN/m
  • Rebuilt UMW -1999
  • ABB Drive 1998, AOS station

3\textsuperscript{rd} Press - 190 kN/m
  • Rebuilt Karhula 1986
  • ABB Drive 1998, AOS station
Paper Machine - Dryer Section

- 51 drying cylinders, diameter 1500 mm, 3 bar
- 1st section – slalom – 11 dry cylinders
- 2nd section – 12 dry cylinders
- 3rd section – 14 dry cylinders
- 4th section – 14 dry cylinders
- Pressure cleaning of wires – Multi jet (2 positions in drier sections) - M Clean 2007
- CD moisture profile control VIB, 1995
- ABB measuring frame – ABB – QCS
- Drive system from ABB, 1998, AOS station /4x Motor 90 kW/1500 rpm
- Totally enclosed hood with heat recovery
- Sensodec vibration analysis on +50%
- Central cylinder oil lubrication system.
- Felt roll grease lubrication system.
Paper Machine - Reel Up/Winder

Pope reel winder
- 1979 Drive system from ABB,
- 1998 AOS station /1x Motor
  75kW/1500 rpm

Rewinder
Fampa -1980 /2x Motor
132kW/1500rpm, 1x Motor
136kW/1000rpm
General Information

- Very high level of process control and monitoring using Allen Bradley PLC system.
- Ongoing electrical switch room upgrade project.
- Large number of spare parts and clothing.
- Paper machine ran until December 2012.
- Process drawings available.
- Paper machine profile drawing available.
- Copies of process control screens available.

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General Information

FOR GENERAL INFORMATION WE HAVE TO INFORM YOU OF THE FOLLOWING:

This schedule has been prepared solely for the guidance of prospective purchasers and in no way constitutes, and at no time will it be deemed to constitute, an offer or contract or any part of an offer or contract. Additionally, no warranty is given to the accuracy of any measurement, specification or other details whatsoever given within this document.

Whilst every reasonable effort has been made to verify any statement, description or comment made within the document, for avoidance of doubt it is emphasised that the purchaser must make their own enquiries and satisfy themselves.

Please note that all offers are made as lying and subject to contract.

Further technical details, photographs and videos may be available on request.

If you have any specific requirements for paper making machinery or wish to sell your spare or redundant machinery then please contact us on john@linnmachinery.com

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