



5.500 MM TISSUE PAPER MACHINE FOR SALES



GENERAL DATA

- Manufacturer: BELOIT
- Year: installed in 1975
- Upgrades:
 - o Hood in 1989
 - o QCS in 1991
 - o DC sectional drives in 2010
 - o Steam and condensate System 2008
- Design speed 1.500 mpm
- Production speed 1.100 mpm
- Product produced: Hankies & HHT, 1 layer
- Estimated capacity: 45.000Tons/yr
- Grammage manufactured: from 17.5 to 35 gsm (Tests 40 gsm)
- Paper width at the pope reel: 5.500mm
- Paper width after the winder: 5.400 mm

1. STOCK PREPARATION

- Manufacturer: VOITH
- Three lines for Long Fiber, Short Fiber and Broke.
- 2 High Density Cleaners
- 3 VOITH 1SDM refiners (3 motors of 350 kW)
- Low consistency Cleaner Battery
- 1 Deflaker 1EK
- Polydisc filter



2. TISSUE MACHINE HEADBOX

- Manufacturer: BELOIT
- Year: 1975
- Hydraulic
- Lip width 5.525mm
- One Layer
- Manual lip Profile adjustment
- Major upgrade of manifold (2000)

WIRE SECTION

- Inclined wire
 - Suction Breast Roll diameter 1.230 mm,
 - Stainless Steel
 - New in 1990
- Additional rolls for wire configuration
- Pneumatic guiding rolls

PRESS SECTION

- Transfer vacuum box from the wire section to the press section
- BELOIT Felt Technology with two presses:
 - 1 Vacuum roll against Yankee ▪ Diameter 900 mm
 - Nip pressure limit at 79Nm
 - 1 Blind roll against yankee) ▪ Diameter: 700 mm
 - Nip pressure limit at 79Nm
- Pneumatic guiding rolls
- Two Vacuum boxes and High/Low pressure standard Showers for Felt conditioning

YANKEE CYLINDER

- Beloit Yankee Cylinder
- Cast Iron
- Ribbed type
- 5 internal condensate collectors
- Main dimensions:
 - Face width 5969 mm
 - Diameter 4854 mm
 - Maximum working Pressure: 7,24bar
 - Operating Pressure: 6,34 bar
- Last Inspection performed by authorities on yr.2015
- Shell now protected with rubber cover to avoid any potential damage
- Crepping/Skinning and Cleaning standard doctor system



- Holder type upgraded for the Crepping blade to Conformativ/201.
- Standard Rigid holder for Skinning and cleaning ones.
- Running with ceramic blades in 2015

HOOD

- Manufacturer Brunschweiler
- Year: 1989
- Separated Air circulating Hoods Wet End and Dry End
- Two gas burners
- Maximum working Temperature 400°C
- Operating temperature 340°C
- Profile control with pneumatical automatic dampers, 14 units
- Recirculation Fans Drive with 2x400Kw, High Voltage 6KV
- Hydraulic speed drive
- Heat Exchangers out of service and partially dismantled.

QCS SYSTEM

- Manufacturer: ABB
- Model: 1180
- Upgraded form old technology in 1993
- Nuclear sensor available

POPE REEL

- Conventional POPE reel
- Maximum sheet width: 5.400 mm
- Maximum reel diameter: 2.500 mm
- Spools of core diameter: 403 mm
- Single middle slit (rotating blade)
- Manual handling of core shafts, with pneumatically system to feed and keep it on Pope
- No drum extractor available

DRIVES

- DC motors and DC drives
- Most of the motors from year 1975, some upgraded (reel spool and pope) year.2010
- All the DC sectional drive upgraded year.2010 to ABB

POWER SUPPLY

- From dry transformers 6,3KV/0,5KV

CONDENSATE SYSTEM

- Upgraded in 2008 by Brunnschweiler
- Direct loop to boiler house at 11 bar



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