

# John Wilkie Papermill Services Ltd

Maryfield, Manse Lane, St Fillans, Perthshire, UK. PH6 2NF

Tel 0044 (0)1764 685267 email [jw@wilkiemaryfield.co.uk](mailto:jw@wilkiemaryfield.co.uk)

[www.johnwilkiepms.co.uk](http://www.johnwilkiepms.co.uk)

In Conjunction with  
Hilco Global APAC

Tel 0061 412 389090 email: [ascharer@hilcoglobal.com](mailto:ascharer@hilcoglobal.com)

## TMP

The TMP Pulp Mill had a capacity in the order of 1000 ADT pulp/day.

## Four chip bins



## Screw presses



Two Kvaerner stainless steel screw presses: model SP100SL with motor/gearbox drives.

## Disc Filters



Two Dorr Oliver disc filters, model 15 ft x 11.5 mtrs long, serial numbers 11376-1 and 11376-2. Year 1996. GL&V conversion in 1996.

Directors: John Wilkie, Christine Wilkie B.Sc. B.Acc.(Hons), C.A.

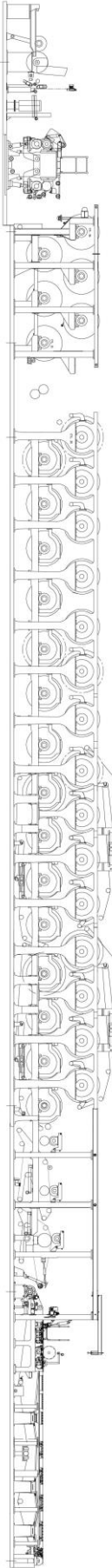
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## Pressure screens

Andritz Sprout Bauer	model: PSV-2900-year 1996 Hooper PSV 11	number	197218
Andritz Sprout Bauer	model: PSV-2900-year 1996 Hooper PSV 11	number	197216
Andritz Sprout Bauer	model: PSV-2900-year 1996 Hooper PSV 11	number	197219
Andritz Sprout Bauer	model: PSV-2900-year 1996 Hooper PSV 11	number	197217
Andritz Sprout Bauer	model: PSV-2900-year 1996 Hooper PSV 11	number	197220
Andritz Sprout Bauer	model: PSV-2900-year 1996 Hooper PSV 11	number	197212



Dorr Oliver Canada Dorcan DSM bow screen number 11451-8 stainless steel  
Dorr Oliver Canada Dorcan DSM bow **screen number** stainless steel

## Sludge presses

Two Andritz stainless sludge presses outside of TMP plant.

## Motors 11Kv Toshiba

740060	P1 Line 1 primary	refiner no 3368	serial number 9613009
740160	P2 Line 2 primary	refiner no 9975	serial number 9613007
740080	S1 Line 1 Secondary	refiner no 9972	serial number 9613004
740180	S2 Line 2 Secondary	refiner no 9976	serial number 9613008

740285	R1	Rejects refiner 1	9974	serial number 9623006
740305	R2	Rejects refiner 2	9973	serial number 9613005
Spare			9971	serial number 9613003

## Spare stator

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## Motor details

Make Toshiba, year 1996, type TABL, form RCCN, specification IEC-34-1 (1994).  
Cooling temp 40 Deg C. Continues rating, Rated power 15 MW, Rated current 850A,  
Frequency 50 Hz, power factor 0.95, Phase 3 AC, Sator armature voltage 11 Kv.  
Stator winding insulation class F, Connection Star, RPM 1500, Rotor field 115v, rotor field  
currency 552A, Rotor winding class F, AC rotor field excitation full load 9.9A,  
AC rotor field excitation no load 3.0 A. 4 Poles.

## Refiners



Sunds Defibrator model RGP-CD/70 number 4831-year 1988  
Sunds Defibrator model RGP-CD/70 number 4832-year 1988  
Sunds Defibrator model RGP-CD/70 number 4833-year 1988  
Sunds Defibrator model RGP-CD/70 number 4835-year 1988  
Sunds Defibrator model RGP-CD/70 number 4836-year 1988  
Sunds Defibrator model RGP-CD/70 number 4837-year 1988

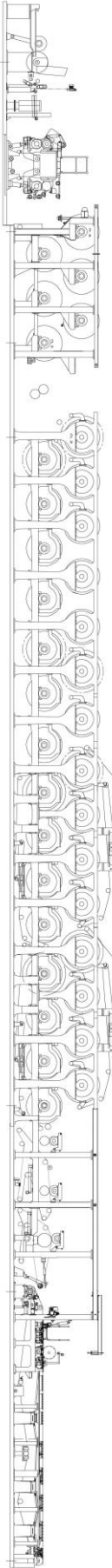
## Motors 11Kv Toshiba

740060	P1 Line 1 primary	refiner no 3368	serial number 9613009
740160	P2 Line 2 primary	refiner no 9975	serial number 9613007
740080	S1 Line 1 Secondary	refiner no 9972	serial number 9613004
740180	S2 Line 2 Secondary	refiner no 9976	serial number 9613008
740285	R1	Rejects refiner 1	9974 serial number 9623006
740305	R2	Rejects refiner 2	9973 serial number 9613005
Spare			9971 serial number 9613003

## Spare stator

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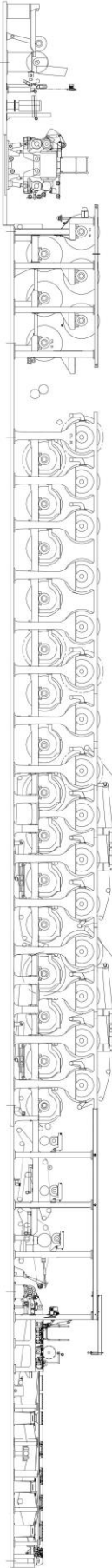
**Pressure screens**



Three Andritz Sprout Bauer pressure screens model PSV 2900, year 1996.  
 Number 197216 model HOOPER model PSV 2900  
 Number 197218 model HOOPER model PSV 2900  
 Number 197219 model HOOPER model PSV 2900  
 Number 197217 model HOOPER model PSV 2900  
 Number 197220 model HOOPER model PSV 2900  
 Number 197212 model HOOPER model PSV 2900

**Screens**

Ahlstrom model Micra- Screen T number 9658021/1-year 1996  
 Ahlstrom model Micra- Screen T number 9658021/2-year 1996  
 Ahlstrom model Micra- Screen T number 9658021/3-year 1996  
 Ahlstrom model Micra- Screen T number 9658021/4-year 1996



## RMP Plant



RMP plant: in the order of 300 ADT pulp/day.

## Refiners



Sprout Bauer  
Sprout Waldron  
Sprout Waldron  
Sprout Bauer  
Sprout Bauer model 21535A SERIAL NUMBER d3375A900  
Sprout Bauer

## Disc filters



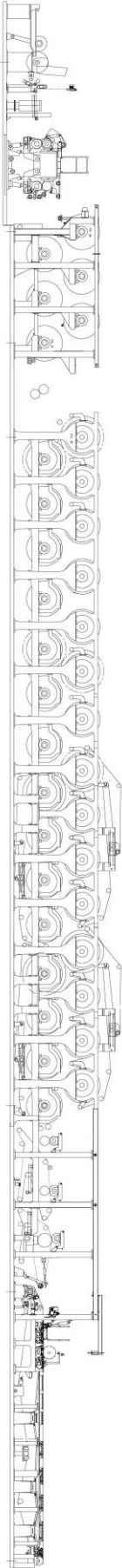
Two-disc filter stainless steel, maker Beloit Polydisc series 5000 each with 18 discs.  
Years of manufacture 1993.

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## Screw press



Screw press manufacture FKC model SHX-1350 serial number M-2344-year 2006

## Pressure screens



Three Andritz Sprout Bauer pressure screens model PSV-3900, year 1996.

Number 197215 model HOOPER PSV 11

Number 197213 model HOOPER PSV 11

Number 197214 model HOOPER PSV 11

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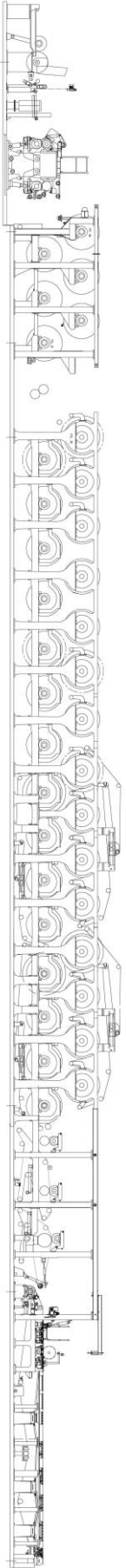
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## PAPER MACHINE APPROACH FLOW

### Stock Preparation

Three stage screening system.

### Screens Lamort

Primary SPH17 with holes 2.38 mm  
Secondary SPN8 with slots 0.40mm with 3.6 mm spacing  
Tertiary SPN4 with slots 0.40mm with 4.0mm spacing

### LD Cleaners

Four stages, make: Richard Berg 1 +2 +3 and reject.  
Model RB6 1 + 2 +3 Celleco 4<sup>th</sup> and reject.

### Deculator

Clark and Vicario

### Refiners

Post refining.  
Kraft pulp refiner Jylhavaara model DD900 with 1070 Hp (800 Kw) motor.  
Mechanical pulp Jylhavaara model DD100E1 with 1670 Hp (1250 Kw) motor.

### Available documentation:

Paper Machine 3 Elevation Drawing  
NST PM Front Side Elevation-Model  
NST Machines Tasman Paper PM Historic data 2001 (which has more details on the machine)  
Voith duoformer data  
PM3 Winder data sheet dynamic model  
PM3 winder drive list  
PM3 winder HMI screens  
PM3 Winder upgrade parts list  
Photos of PM3

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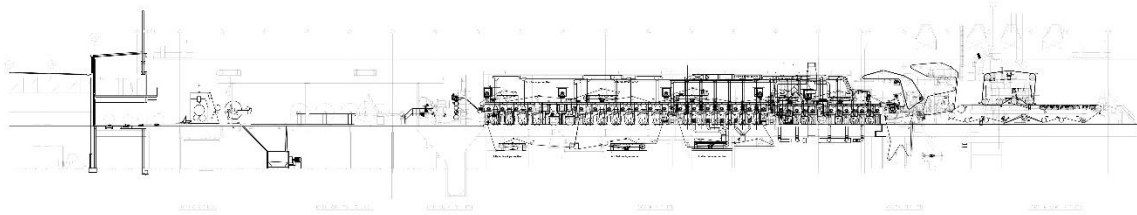
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## Paper Mill DD



### Voith PM3 Design Data

Dryer Section	Newsprint 45 g/m <sup>2</sup>
Design width	7400 mm
Operating Speed Max	1150 m/min
Design Speed	1350 m/min
Balancing Speed	1350 m/min
Paper width trimmed	6940 mm
Wire tension single	3 kN/m

Paper machine right hand drive from the flowbox. Basement design.  
DCS Bailey manufacture.

### Wire section: Cantilevered

Wire speed 1050 m/min  
Couch trim width 7010mm

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Valmet flowbox model Sym Flow

Year 1985

Slice control ABB

Slice actuator type Linear stepper motor, smart weight with 58 slice actuators

Valmet top Former model Sym former R

## Press section

Configuration: Twin plus Third

Manufacture Beloit Walmsley

Type: non cantilevered

Year: 1975

Rolls and covers: Suction pick up stainless shell  
1<sup>st</sup> press suction with poly cover  
2<sup>nd</sup> press Beloit CC roll stainless G roll  
3<sup>rd</sup> press Beloit CC stainless G roll  
2 + Granite rolls Twinver and 3<sup>rd</sup> press

Devron Measurex Steam box on 1<sup>st</sup> press with 48 actuators

## Dryer sections

Manufacture Beloit Walmsley, year 1975. Machine hood Beloit manufacture.

Dryers with enclosed hood, A/F bearings, central lubrication system. Closed gear drive.

Steam pressure to the 5 section of dryers was 50psi, rated 125 psi, with a 150psi Thermocompressor.

Configuration of dryers:

1<sup>st</sup> section 7 dryers unorun

2<sup>nd</sup> section 6 dryers unorun

3<sup>rd</sup> section 14 dryers conventional

4<sup>th</sup> section dryers conventional

Breaker stack gap 6 meters. No rolls or dryers

5<sup>th</sup> section 8 dryers conventional

All dryers bolted cylinder ends

CD control VIB

VIB water spray with 79 actuators located at the breaker stack near 42 dryers.

Blowbox manufacture Valmet. Total blowboxes 8 and locations 1<sup>st</sup> and second unorun.

## Basement

Dry end basement pulper.

## Scanner

QCS Scanner was ABB 1190 (from memory) and controlled colour, calliper (calcoil), moisture (steam box) & basis weight (headbox slice).

DCS was Bailey.

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## All felts and wires with auto guide systems.

### Calender

Online conventional hard calender. Beloit manufacture, Queen driven roll, Number of rolls: 5 year 1975, profile control Calcoil 4000 on three rolls. Transphase steam showers on top roll 5<sup>th</sup> and 4<sup>th</sup> roll.

### Horizontal reel up

Beloit manufacture, paper trim width 6850 mm, automatic reel transfer. Tail transfer system.

2013. PLC Allen Bradley. PM computer ABB 1190 SMART PLATFORM AVANT. Year 1993

### Scanner

QCS Scanner: ABB 1190 Avant, controlled colour, calliper (calcoil), moisture (steam box) & basis weight (headbox slice).

DCS: Bailey model Network 90, two operation stations, at wet end (again from memory), not sure of model.



### Roll splitter

Voith roll splitter. 50" roll diameter x 84" width, hydraulic operation, year 1993.

### Rewinder



Jagenberg Vari Float, model 90, year 1996, 7000mm roll width, 1500 mm rewind diameter, Allen Bradley drive, 2600 m/min speed, shaftless rewind, 13 auto knife setting, auto core loading, twin motor drive. Upgrade 2013. Fixed unwind for reel shells from the paper machine.

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## Machine drive



Harland Simons analogue drive, year 1975, sectional electric drive.

## Paper roll wrap system



Lamb -Grays Harbour, capacity up to 2500 reels/24 hrs., paper wrap.  
Trancel roll handing system year 1996.

NB: Various **spare rolls** are available from the paper machine.  
List available on request.

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

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