SUBJECT:	OJIFS KINLEITH MILL PAPER MACHINE SPECIFICATIONS

S: > PM6 > PM6 EQUIPMENT AND PROCESS LISTING

Contents

#PAPER MACHINE 4
BASIS OF DESIGN 4
STANDARD OPERATING DATA 5
FORMING SECTION 6
BASE PLY DRIVE: 6
TOP PLY DRIVE: 7
HEADBOX TOP PLY 7
HEADBOX BASE PLY 8
HEADBOX DILUTION CONTROL SYSTEM 8
HEADBOX DILUTION SUPPLY 9
PRESS SECTION 9
FIRST PRESS 9
DRIVES: 10
SECOND PRESS 10
DRIVES: 11
DRYING CYLINDERS 11
CYLINDERS x 61 (ORIGINAL) 11
CYLINDERS x 10 (UPGRADE) 12
DRIVES: 12
STEAM SECTION 15
SEPARATORS 15
THERMO-COMPRESSORS 19
ROOF FANS 22
Hood Supply/Exhaust Fans 22
Other Supply/Exhaust Fans 24
Pocket Vent/Blowbox Fans 25
Misc Fans 27
Vacuum Blowers 29
CALENDAR 30
POPE REEL 31
STOCK PREP 32
HD 13 SUPPLY (KRAFT) 32
HD 14 SUPPLY (KRAFT) 33
HD 9 SUPPLY (NSSC) 33
HD 11 SUPPLY (BLEACHED HW) 33
HD 15 SUPPLY (RECYCLED) 34
TOP PLY LD CHEST: 34
TOP PLY INTERMEDIATE CHEST 34
TOP PLY BLEND CHEST 34
TOP PLY M/C CHEST 35

BASE PLY NSSC CHEST 35
BASE PLY RECYCLED LD CHEST 35
RECOVERED STOCK CHEST 36
BASE PLY LD CHEST 36
BASE PLY BLEND CHEST 36
BASE PLY M/C CHEST 37
TOP PLY KRAFT REFINERS 1 & 2 37
TOP PLY KRAFT REFINERS 3 & 4 38
TOP PLY KRAFT TICKLER REFINER 38
NSSC REFINERS 1 & 2 39
BASE PLY KRAFT REFINERS 1 & 2 40
BASE PLY TICKLER REFINERS 40
BASE PLY TICKLER REFINER 1 & 2 41
APPROACH SYSTEM 41
BASE PLY PRIMARY SCREENING 42
BASE PLY SECONDARY SCREENING 43
BASE PLY TERTIARY SCREENING 43
TOP PLY PRIMARY SCREENING 44
TOP PLY SECONDARY SCREENING 44
BASE PLY CLEANING 45
BASE PLY PRIMARY CLEANING SYSTEM 45
BASE PLY SECONDARY CLEANING SYSTEM 46
BASE PLY TERTIARY CLEANING SYSTEM 46
BASE PLY QUATERNARY CLEANING SYSTEM 47
BASE PLY QUINTERNARY CLEANING SYSTEM (FIBREMIZER) 47
TOP PLY CLEANING 48
TOP PLY PRIMARY CLEANING SYSTEM 48
TOP PLY SECONDARY CLEANING SYSTEM 49
TOP PLY TERTIARY CLEANING SYSTEM 50
TOP PLY QUATERNARY CLEANING SYSTEM 50
TOP PLY QUINTENARY CLEANING SYSTEM (FIBREMIZER) 50
PULPERS/REPULPERS 51
HARDWOOD PULPER 51
COUCH PIT REPULPER 52
PRESS PIT REPULPER 53
DRY END REPULPER 54
REPULPER 55
POLYDISC SAVEALL 56
SAVEALL 56
SAVEALL DRIVES 57
SAVEALL PUMPS 57
BROKE SYSTEM 58
VACUUM SYSTEM 58
WIRE BOX TOP/BASE PLY VACUUM PUMP #1 59
WIRE BOX BASE PLY VACUUM PUMP #2 59
COUCH ROLL VACUUM PUMP #3 59

COUCH ROLL VACUUM PUMP #4 59
VACUUM BOX VACUUM PUMP #5 60
VACUUM BOX VACUUM PUMP #6 60
VACUUM BOX VACUUM PUMP #6 60
SUCTION PICK UP #8 AND 2ND PRESS #9 VACUUM PUMPS 61
1ST PRESS TOP/BOT PRESS FELT #10 AND TRIVAC #11 VACUUM PUMPS 61
VACUUM SUMP #1 EXTRACT PUMPS 61
VACUUM SUMP #2 EXTRACT PUMPS 62
WINDER 62
WINDER 62
WINDER DRIVES: 63
CORE CUTTING 63
ROLL HANDLING 63
KICKER & CUSHION ROLL STOPS 63
REEL STENCILLER 64
STRAPPER 64
LOWERATOR 64
PROFILING 65
QCS SCANNER 65
CALLIPER PROFILER 65
MOISTURE PROFILER 66
REEL CHANGEOVER SYSTEM 66
TAIL FEED SYSTEMS 68
SHOWER WATER FILTERING SYSTEMS 68
STRAINER 68
BACKFLUSH FILTERS 68
WATER SYSTEM PUMPS 69
TRIMJET SYSTEMS 75
ADDITIVE SYSTEMS 75
PAC System 75
Starch 75
Starch Spray 75
Dilute Alum 75
ASA Size 75
Calcium Carbonate 75
Dilute Acid 75
Dye System 75
Defoamer 75
Silica Retention Aid (Top Ply Only) 75
Barrier Chemical (Zenix) 75
HYDRAULIC AND LUBRICATION POWER UNITS 76
SPOOLS 77
WIS & WMS 78
SAFETY CAGING 78
DRYER CAGING 79
CLOTHING 79

MACHINE ROLLS.....82

Note
Not included in the sales: Buildings and essential Mill services (air-water-power, etc) including structures supporting the services such as but not limited to pipe bridges, supports, cable trays, etc. To be identified on site

#PAPER MACHINE

Paper machine, final sheet width 6333mm with two ply Fourdrinier forming section, one conventional press and one extended nip press, 72 dryer cylinders, single nip soft roll above heated roll calendar, Windrum-M, fully automated winder, strapping line and lowerator and a 400 ODMTPD Recycle Facility



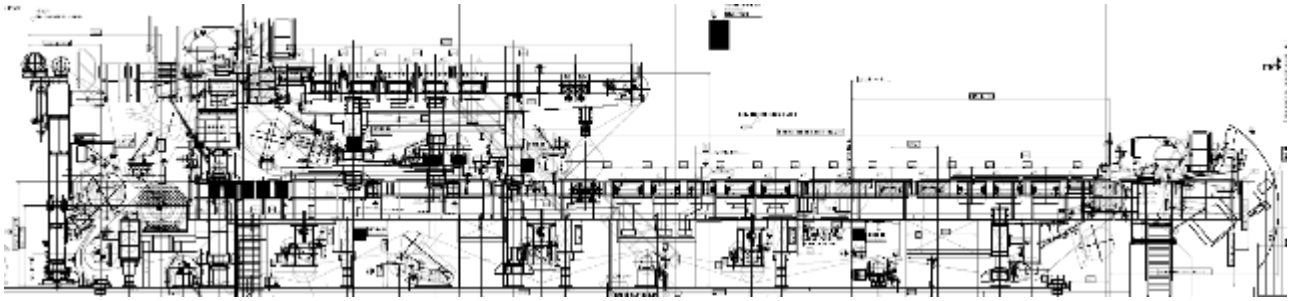
BASIS OF DESIGN

Hand:	Machine and Base Ply Fourdrinier:- Drive on right side from Headbox Top Ply Fourdrinier:- Drive on left side from flow box
Drive:	Gear Drive, A-C variable Frequency
Wire Width:	6900mm
Headbox Pond Width:	6722mm
Sheet Width after Couch:	6650
Sheet Width at Pope:	6333- 6483
Trim of Winder:	Design-6350 (Min-6300, Max-6400)
Speed:	390 – 850mpm. Balanced for 900mpm (new). Operating at 800mpm
Basis Weight Range:	115 – 337gsm (Kraft Liner, SC Medium, RF Medium, WT Liner)
Capacity:	Best of 340,000 ADT per annum
Total Steam Usage:	130,250 kg/h (Including Water and Air heating)
Total Effluent:	1.4mtpd

STANDARD OPERATING DATA

	Basis Weight	Speed (m/Min)		100% Day	Base Ply	Top Ply	Steam Use	Base Ply				Top Ply		
Grade	GSM	Stretch	Target	ADT/D	GSM	GSM	T/ADT	Kraft	NSSC	Recyc	Broke	Kraft	Bl SW	Bl HW
White Top Liner	150	656	649	854	75	75	2.2-2.6	70		20	10		40	60
	175	663	656	982	100	75	2.2-2.6	70		20	10		40	60
	200	633	623	1025	125	75	2.0-2.5	70		20	10		40	60
	275	451	439	1005	200	75	2.0-2.5	70		20	10		40	60
Kraft Top Liner	115	800	795	825	85	30	1.6-2.0	15		65	20	100		
	120	799	795	850	90	30	1.6-1.9			90	10	100		
	125	797	794	896	95	30	1.6-1.9			90	10	100		
	140	797	793	1006	110	30	1.5-1.8		10	70	20	100		
	145	792	789	1030	115	30	1.5-1.7			90	10	100		
	150	788	784	1038	120	30	1.5-1.7			90	10	100		
	155	788	784	1038	125	30	1.5-1.7		10	70	20	100		
	175	770	764	1213	145	30	1.4-2.0		10	70	20	100		
	200	752	744	1229	165	35	1.7-2.0			90	10	100		
Kraft Linerboard	125	800	797	894	87	38	1.7-2.0	47	14	27	12	100		
	140	797	796	980	98	42	1.7-2.0	47	14	27	12	100		
	150	798	795	1076	105	45	1.7-2.0	47	14	27	12	100		
	165	786	781	1168	115	50	1.7-2.0	47	14	27	12	100		
	175	778	772	1199	122	53	1.7-2.0	47	14	27	12	100		
	186	740	732	1198	130	56	1.7-2.0	47	14	27	12	100		
	200	691	681	1229	140	60	1.7-2.0	47	14	27	12	100		
	205	673	665	1229	143	62	1.7-2.0	47	14	27	12	100		
	225	614	602	1204	157	68	1.7-2.0	47	14	27	12	100		
	275	484	477	1147	179	96	1.7-2.0	36	16	34	14	100		
	300	428	421	1125	195	105	1.7-2.0	35	16	35	14	100		
	337	375	368	1002	207	130	1.7-2.0	35	16	35	14	100		
Kraft Bag	125	796	791	890	81	44	1.7-2.0	70		20	10	100		
Bag Stock	115	800	795	825	85	30	1.6-2.0	47	14	27	12	100		
Semichem Fluting	120	767	762	812	100	0	1.7-2.1	36	28	26	10			
	127	760	757	859	100	0	1.8-2.1	36	28	26	10			
	140	748	748	950	100	0	1.5-2.1	25	35	30	10			
	150	742	737	991	100	0	1.5-2.0	25	35	30	10			
	160	727	719	1013	100	0	1.7-2.0	25	35	30	10			
	180	662	654	1029	100	0	1.6-2.0	25	35	30	10			
	200	597	590	1000	100	0	1.7-1.9	25	35	30	10			
Recycled Fluting	112	770	765	760	100	0		10	10	70	10			
	120	769	765	812	100	0		10	10	70	10			
	160	750	750	740	100	0		15	15	60	10			

FORMING SECTION



BASE PLY DRIVE:

Top Couch Roll:

Motor: Reliance, DL2508, 575V/75kW/4P
G/Box: Valmet SIG-225, 4.118:1

Couch Suction Roll:

Roll: Black Clawson 54”/Valmet
Dia: OD-1371.6mm, ID-1245mm
Width: Bearing Centres-307.984, Shell-7058mm, Max Suction-6800
Motor: Reliance, 9450, 575V/530kW/4P
G/Box: Valmet S2G-315K, 7.843:1

Return Roll:

Motor: Reliance, DL2508, 575V/75kW/4P
G/Box: Valmet SIG-225, 3.579:1







NOTE: Decommissioned Lump-breaker Roll

TOP PLY DRIVE:

Top Ply Return Roll:

Motor: Reliance, D315S, 575V/355kW/4P
G/Box: Valmet SIG-225, 3.579:1

Top Ply Roll Turning:

Motor: Reliance, 9450, 575V/530kW/4P
G/Box: Valmet SIG-280, 5.0:1





HEADBOX TOP PLY



Make:	Valmet
Model:	SYMFLO T
Slice Width:	6722mm
Slice Flow:	Min- 916l/s, Max-1816l/s, Design-1350l/s
Slice Adjustor Type:	JETMATIC MTD Actuators
Slice Adjuster Number:	89
Slice Adjuster Pitch:	75mm

HEADBOX BASE PLY





Make: VALMET
Model: SYMFLO TD
Slice Width: 6722mm
Slice Flow: Min- 1100l/s, Max-2200l/s, Design-1683l/s
Slice Adjustor Type: JETMATIC MTD Actuators
Slice Adjuster Number: 89
Slice Adjuster Pitch: 75mm
Dilution Control: 112 points/60mm Zone Width

HEADBOX DILUTION CONTROL SYSTEM



Make: ABB
Model: XP2
Number of Actuators: 112
Actuator Pitch: 60mm

HEADBOX DILUTION SUPPLY

Base Ply Headbox Dilution Pump

Motor: Reliance, D315E, 415V/220kW/4P

Pump: AHLSTROM ZPP 21-300, 436l/s, 31m

Base Ply Headbox Dilution Screen

Motor: POPE, D280M, 415V/55kW/6P

Pump: Black Clawson UV 400




PRESS SECTION




FIRST PRESS

Type:	Two Roll Straight Press
Top Roll:	Black Clawson, FP463
Bottom Roll:	Black Clawson, FP465
Suction Pick Up Roll:	
Make:	VALMET
Dia:	OD 1010mm, ID 990mm
Width:	Shell-6982mm, Perf-6807.2mm, Suction-Max-6682mm/Min-6382mm




DRIVES:

Suction Pick Up Roll:
- Motor: Reliance, DL2508, 575V/75kW/4P

Top Press Roll Drive:
- Motor: Reliance, 9450, 575V/530kW/4P
- Gearbox: Valmet, S1G-3155K, 7.843:1

Bottom Press Roll Drive:
- Motor: Reliance, 9450, 575V/530kW/4P
- Gearbox: Valmet, S1G-3155K, 7.843:1





SECOND PRESS

Type: Shoe Press

Top Roll:
- Make: Valmet Sym-Belt
- Belt Dia: ID 1425mm, OD 1510mm
- Belt Length: 7700mm (min 7680, Max 7880)

Bottom Roll:
- Make: VALMET SYM ZL Roll
- Dia: 1160mm
- Width: Shell 7200mm, Nip 7000mm
- Weight: 43000kg
- Cover: Variolastic 15 +/- 3 P&J
- Gear Ratio: 6.261:1

Suction Transfer Roll:
- Make: VALMET
- Dia: OD 1010mm, ID 990mm
- Width: Shell-6982mm, Perf-6807.2mm, Suction-Max-6682mm/Min-6382mm





DRIVES:

Suction Transfer Roll:

Motor: Reliance, DL2508, 575V/75kW/4P

Sym-Belt Drive:

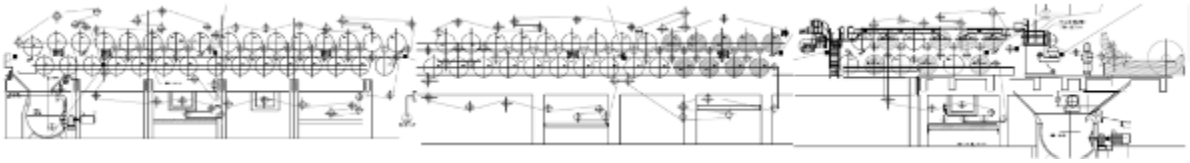
Motor: Reliance, 9450, 575V/530kW/4P x 2

Gearbox: Valmet, S1G-225K, 1.023:1





DRYING CYLINDERS





CYLINDERS x 61 (ORIGINAL)

Make: Black Clawson
Diameter: 1524 mm (60”)
Face Width: 6756.4mm (266”)
Design Code: BS1452 – 1961 Tested to ASME Code
Operating Pressure: 0 – 863 kPag
Hydro Test Pressure: 1293 kPag (original hydro was 1725 kPag)
Design Temperature: 0 – 180 ^{0}C

CYLINDERS x 10 (UPGRADE)

Make: Valmet
Diameter: 1524 mm (60")
Face Width: 6756.4mm (266")
Design Code: ASME Section 1-1995 Edition
Operating Pressure: 0 – 863 kPag
Hydro Test Pressure: (original hydro was 1725 kPag)
Design Temperature: 0 – 180 ^{0}C

DRIVES:

1st Section: (Cyls 2-5) #1 Felt Driven
Motor: Reliance, DL2515, 415V/110kW/4P
VSD: ABB
G/Box: VALMET, S2G-250, 7.059:1



2nd Dryer: (Cyls 6-15)
Motor: Reliance, D315E, 415V/220kW/4P
VSD: ABB
G/Box: VALMET, S2G-250, 7.059:1

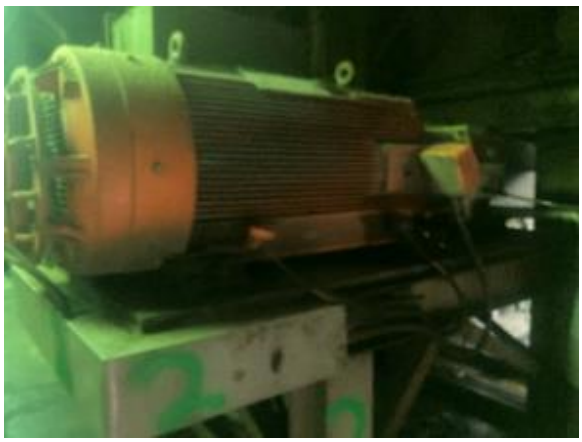


3rd Dryer: (Cyls 16-31) 32-35 Undriven
Motor: Reliance, D315M, 415V/335kW/4P
VSD: ABB
G/Box: VALMET, S2G-250, 7.059:1



4th Dryer: (Cyls 36-47)

Motor: Reliance, D315E, 415V/335kW/4P
VSD: ABB
G/Box: VALMET, S2G-250, 7.059:1



5th Dryer: (Cyls 48-59)

Motor: Reliance, D315E, 415V/335kW/4P
VSD: ABB
G/Box: VALMET, S2G-250, 7.059:1



6th Dryer: (Cyls 60-61)

Motor: Reliance, DL2508, 415V/75kW/4P
VSD: ABB
G/Box: VALMET, UNIG 200K 4.952:1



7A Dryer (Cyls 62-63) 64-65 Undriven
Motor: Reliance, DL2508, 415V/75kW/4P
VSD: ABB
G/Box: VALMET, UNIG 200K 4.952:1



7B Dryer (Cyls 66-71)
Motor: Reliance, D315E, 415V/335kW/4P
VSD: ABB
G/Box: VALMET, S2G-250, 7.059:1



STEAM SECTION

SEPARATORS

Vacuum Separator #0:
Condensate Pump:
Motor: CMG, D132S, 415V/5.5kW/4P
Pump: GOULDS 3196MT, 130GPM, 45ft
Vacuum Pump:
Motor: CMG, D180M, 415V/18.5kW/4P
Pump: NASH H5





Condensate Separator #1:
Condensate Pump:
Motor: CMG, D100L, 415V/2.2kW/4P
Pump: GOULDS 3196MT




Vacuum Separator #2:

Condensate Pump:
Motor: CMG, D100L, 415V/2.2kW/4P
Pump: GOULDS 3196MT





Vacuum Separator #3:
Condensate Pump:
Motor: CMG, D112M, 415V/4kW/4P
Pump: GOULDS 3196MT, 160GPM, 45Ft





Vacuum Separator #4:
Condensate Pump:
Motor: CMG, D100L, 415V/2.2kW/4P
Pump: GOULDS 3196MT, 95GPM, 45ft




Vacuum Separator #5:
Condensate Pump:
Motor: CMG, D100L, 415V/2.2kW/4P
Pump: GOULDS 3196MT, 95GPM, 45ft




Vacuum Separator #7T:
Condensate Pump:
Motor: CMG, D100L, 415V/2.2kW/4P
Pump: GOULDS 3196MT, 45GPM, 45ft




Vacuum Separator #7B:
Condensate Pump:
Motor: CMG, D100L, 415V/2.2kW/4P
Pump: GOULDS 3196MT, 45GPM, 45ft




Vacuum Separator #8:
Condensate Pump:
Motor: ASEA, D225S, 415V/37kW/4P
Pump: GOULDS 3175SMT, 400GPM, 116ft
Desuperheater Pump:
Motor: CMG, D160M, 415V/15kW/2P
Pump: SUNSTRAND P2-ENP-50, 4.4m^3/Hr, 249.4m





THERMO-COMPRESSORS

Thermo-Compressor #1
Make: Schutte & Koerting
Size: 4x4x2



Thermo-Compressor #2
Make: Schutte & Koerting
Size: 5x5x3



Thermo-Compressor #3
Make: Schutte & Koerting
Size: 6x6x4



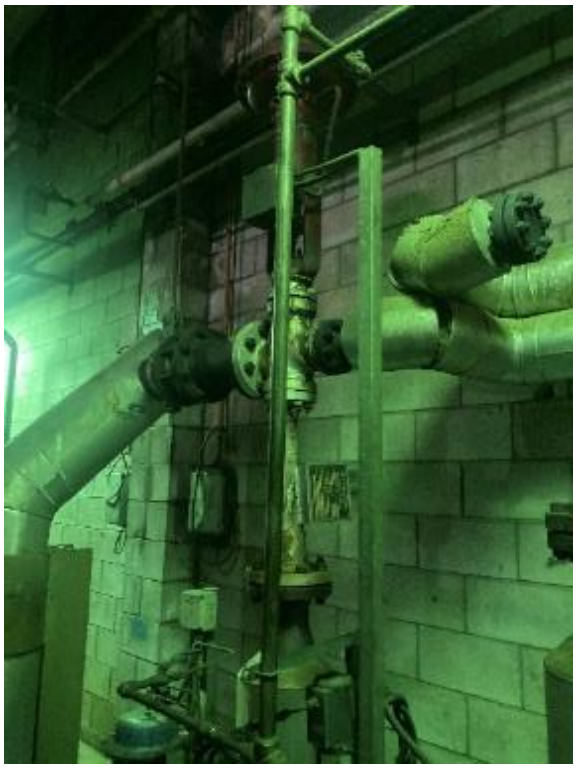
Thermo-Compressor #4
Make: Schutte & Koerting
Size: 6x6x4



Thermo-Compressor #5
Make: Schutte & Koerting
Size: 5x5x3



Thermo-Compressor #6
Make: Schutte & Koerting
Size: 4x4x2



Thermo-Compressor #7 Bottom
Make: Schutte & Koerting
Size: 4x4x2



ROOF FANS

Hood Supply/Exhaust Fans

Fourdrinier Headbox Exhaust Fan

Motor: POPE, D225S, 415V/37kW/4P

Fan: Thermal System Group, 402 BC, Belt Drive



Fourdrinier Wire Exhaust Fan

Motor: CMG, D280S, 415V/75kW/4P

Fan: Thermal Systems Group PG 600, Belt Drive



Wet End Hood Exhaust Fan

Motor: 7.5kW, 4P, Belt Drive



Hood Exhaust Fan #1

Motor: CMG, D280S, 415V/90kW/4P

Fan: PMCA 160, Belt Drive



Hood Exhaust Fan #2

Motor: CMG, D280S, 415V/90kW/4P – Belt Drive



Hood Exhaust Fan #3

Motor: CMG, D250M, 415V/55kW/4P – Belt Drive



Hood Exhaust Fan #4

Motor: CMG, D160L, 415V/15kW/4P – Belt Drive



Hood Exhaust Fan #5

Motor: CMG, D25SM, 415V/37kW/4P – Belt Drive



Other Supply/Exhaust Fans

Top Ply Flume Exhaust Fan

Motor: POPE, D225S, 415V/37kW/4P

Fan: Thermal Systems Group BC 402, Belt Drive



Roof Air Fan

Motor: CMG, D200L, 415V/30kW/4P

Fan: POWERMAN B265-60, Belt Drive



Dry End Pulper Exhaust Fan

Motor: CMG, D280M, 415V/110kW/4P

Fan: Twin City 3294, Blet Drive



Pocket Vent/Blowbox Fans

Blow Box Supply Fan

Motor: POPE, D225S, 415V/45kW/4P

Fan: IPSCO PLR Size 24, Belt Drive



Pocket Vent Fan #1

Motor: POPE, D315M, 415V/132kW/4P

Fan: IPSCO PLR Size 44, Belt Drive



Pocket Vent Fan #2

Motor: POPE, D315M, 415V/132kW/4P

Fan: IPSCO PLR Size 44, Belt Drive



Pocket Vent Fan #3

Motor: ABB, D355L, 415V/200kW/4P

Fan: IPSCO PLR Size 54, Belt Drive



Misc Fans

1st Press Web Stabiliser Fan

Motor: CMG, 415V/5.5kW/4P

Fan: ASEL 600/RB75



2nd Press Air Shower Doctor Fan (Decomissioned)

Motor: ASEA, D, 415V/5.5kW/2P



CalCoil Cooling System Fan

Motor: POPE, D132S, 415V/5.5kW/4P

Fan: Thermal Systems Group BR-165



Winder Cooling Fan

Motor: POPE, D180L, 415V/22kW/4P

Fan: Twin City BC 330



Dry End Ventilation Fan

Motor: CMG, D200L, 415V/22kW/6P



Paper Store Ventilation

Motor: ABB, D280M, 415V/90kW/4P

Fan: Powerman, B265-60” Belt Drive



Vacuum Blowers

Top Ply Fourdriner Vacuum Fan

Motor: WEG, D250M, 415V/55kW/2P

Fan: ABB Flakt HBSR 20/675, Belt Drive



Base Ply Fourdriner Vacuum Fan

Motor: ASEA, MBRF26, 415V/90kW/4P

Fan: ABB Flakt HBSR 20/675, Belt Drive

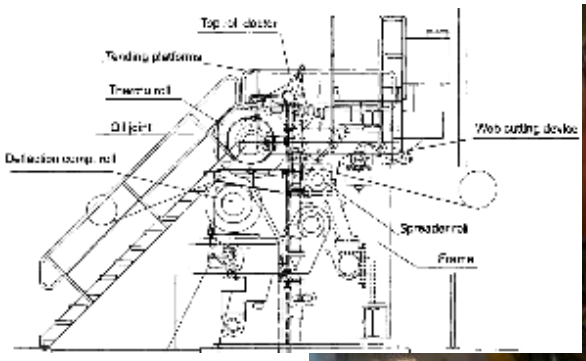


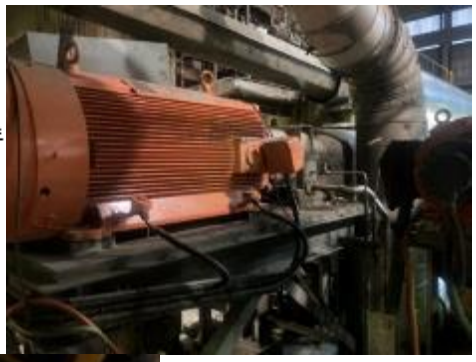
CALENDAR

Make:	VALMET
Model:	OPTIHARD 6483
Top Thermo Roll Diameter:	1016mm
Top Thermo Roll Face Width:	6733mm
Bottom Soft Roll Diameter:	Shell-760mm, Covered-791mm
Bottom Soft Roll Face Width	6605mm, Cover-6592mm
Bottom Soft Roll Material:	Hunt & Muscroft/Voith Composite
Max Supply Oil Temp:	200 Deg C
Design Speed:	900m/min
Linear Load:	Max-130kN/m, Min-20kN/m
Bottom Roll	
Motor:	Reliance, D315E, 415V/335kW, 4P
G/Box:	Valmet, SIG 225K 4.118:1
VSD:	ABB
Top Roll	
Motor:	Reliance, DL2508, 415V/75kW, 4P
G/Box:	Valmet, CIG 200K 5.26:1
VSD:	ABB











POPE REEL

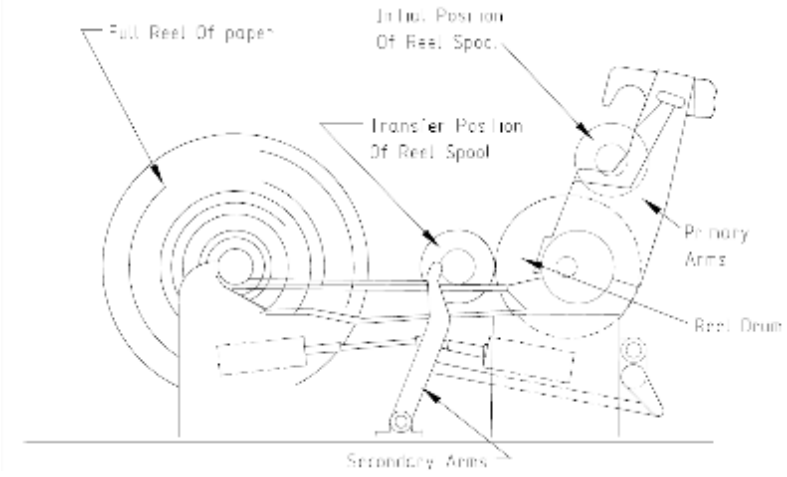
Make:	BLACK CLAWSON
Model:	48” AUTOFLYTE REEL- Water Cooled
Balanced Speed:	175RPM
Roll Dia:	1219.2mm, Dia @ Centre of Crown 1220.8mm
Roll Face Width:	6604mm
Drive:	
Motor:	Reliance, D315E, 415V/335kW/4P
G/Box:	Valmet, 52G 250, 7.571:1
VSD:	ABB



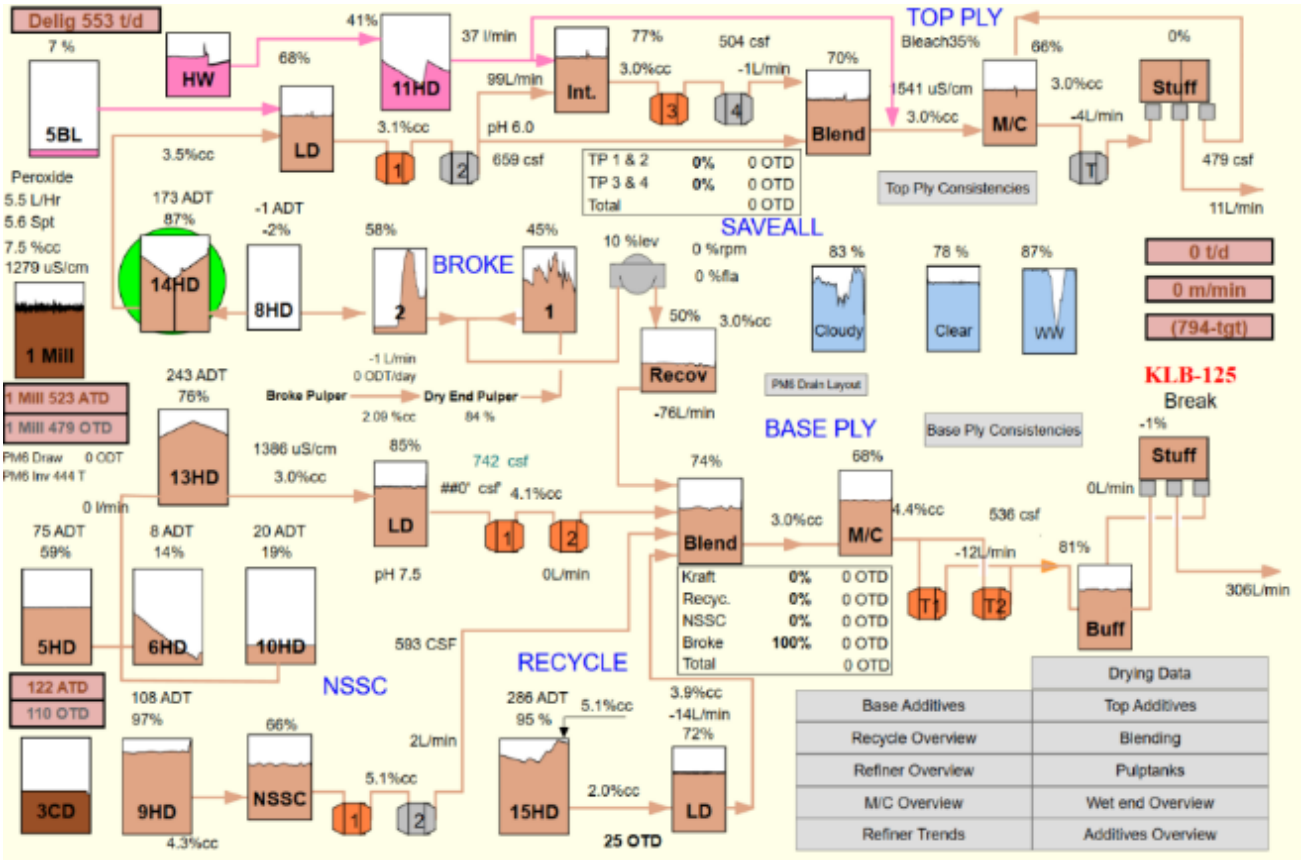








STOCK PREP



HD 13 SUPPLY (KRAFT)

HD 13 Feed Pump:

Drive: POPE, D315S, 415V/110kW/4P

Pump: AHLSTROM APP44-150, 124l/s, 51m

HD 13 Agitator Unit

Drive: POPE, D355L, 415V/200kW/6P

G/Box: FALK, 2100Y1L, 4.19:1

Agit: Chemineer, 80PB1I, 3 Blade MAXFLO Mark II





HD 14 SUPPLY (KRAFT)

HD 14 Feed Pump:

Drive: POPE, D315M, 415V/132kW/4P

Pump: AHLSTROM APP53-100, 73l/s, 73.2m

HD 14 Agitator Unit

Drive: CMG, D315M, 415V/110kW/6P

G/Box: FALK, 2100Y1L, 4.19:1

Agit: Chemineer, 70PB1I




HD 9 SUPPLY (NSSC)

HD 9 Feed Pump:

Drive: CMG, D250M, 415V/75kW/4P

Pump: GOULDS 3175S, 96l/s, 20.8m

HD 9 Agitator Unit

Drive: POPE, D315L, 415V/150kW/6P

Agit: HYMAC CA/54-E, 54” Dia, Size ‘E’ – Belt Drive




HD 11 SUPPLY (BLEACHED HW)

HD 11 Feed Pump:

Drive: CMG, D250M, 415V/75kW/4P

Pump: GOULDS 3175S, 96l/s, 20.8m

HD 11 Agitator Unit

Drive: POPE, D315S, 415V/175kW/6P

Agit: JONES 4522 – Belt Drive




HD 15 SUPPLY (RECYCLED)- As per Wastepaper Plant Document

TOP PLY LD CHEST:

Top Ply LD Chest Pump:

Drive: Marathon, D315S, 415V/75kW/6P

Pump: AHLSTROM APP53-150, 98.6l/s, 30.3m

Top Ply LD Chest Agitator Unit

Drive: POPE, D315S, 415V/150kW/4P

Agit: Chemineer 60PB1Z – Belt Drive




TOP PLY INTERMEDIATE CHEST

Top Ply Intermediate Chest Pump:

Drive: POPE, D280S, 415V/45kW/6P

Pump: AHLSTROM APP44-150, 83.1l/s, 28.4m

Top Ply Intermediate Chest Unit

Drive: POPE, D315M, 415V/150kW/6P

Agit: Chemineer 60PB1Z – Belt Drive




TOP PLY BLEND CHEST

Top Ply Blend Chest Pump:

Drive: POPE, D280M, 415V/55kW/6P

Pump: AHLSTROM APP51-250, 161.9l/s, 21.1m

Top Ply Blend Chest Agitator Unit

Drive: POPE, D315M, 415V/110kW/6P

Agit: Chemineer, 60PB1Z – Belt Drive




TOP PLY M/C CHEST

Top Ply M/C Chest Pump:

Drive: POPE, D315M, 415V/90kW/6P

Pump: AHLSTROM APP44-200, 161.8l/s, 30m

Top Ply M/C Chest Agitator Unit

Drive: POPE, D315M, 415V/110kW/6P

Agit: Chemineer, 50PB1Z – Belt Drive




BASE PLY NSSC CHEST

Base Ply NSSC Chest Pump:

Drive: POPE, D315M, 415V/32kW/4P

Pump: AHLSTROM APP53-200, 134.6l/s, 57.3m

Base Ply NSSC Chest Agitator Unit

Drive: ASEA, MBRF29S, 415V/160kW/6P

G/Box: DAVID BROWN, NH12 5.063:1

Agit: JONES DD55-A-237




BASE PLY RECYCLED LD CHEST

Base Ply Recycle LD Chest Pump:

Drive: POPE, D280S, 415V/75kW/4P

Pump: AHLSTROM APP44-150, 100.4l/s, 37m

Base Ply Recycle LD Chest Agitator Unit

Drive: POPE, D315S, 415V/132kW/4P

Agit: Chemineer 50PB1Z – Belt Drive




RECOVERED STOCK CHEST

Base Ply Recovered Stock Chest Pump:

Drive: POPE, D225M, 415V/30kW/6P

Pump: AHLSTROM APP43-250, 142.7l/s, 11.9m

Base Ply Recovered Chest Agitator Unit

Drive: CMG, D250M, 415V/75kW/4P

Agit: Chemineer 40PB1S – Belt Drive




BASE PLY LD CHEST

Base Ply LD Chest Pump:

Drive: POPE, D315M, 415V/110kW/6P

Pump: AHLSTROM APP53-200, 197l/s, 37.4m

Base Ply LD Chest Agitator Unit

Drive: POPE, D355L, 415V/185kW/6P

Agit: Chemineer, 60PB1Z – Blet Drive




BASE PLY BLEND CHEST

Base Ply Blend Chest Pump:

Drive: POPE, D315M, 415V/110kW/6P

Pump: AHLSTROM APP52-350, 372l/s, 20.4m

Base Ply Blend Chest Agitator Unit

Drive: POPE, D355L, 415V/185kW/6P

Agit: Chemineer, 60PB1Z – Belt Drive




BASE PLY M/C CHEST

Base Ply M/C Chest Pump:

Drive: POPE, D315L, 415V/150kW/6P

Pump: AHLSTROM APP53-300, 347l/s, 19m

Base Ply M/C Chest Agitator Unit

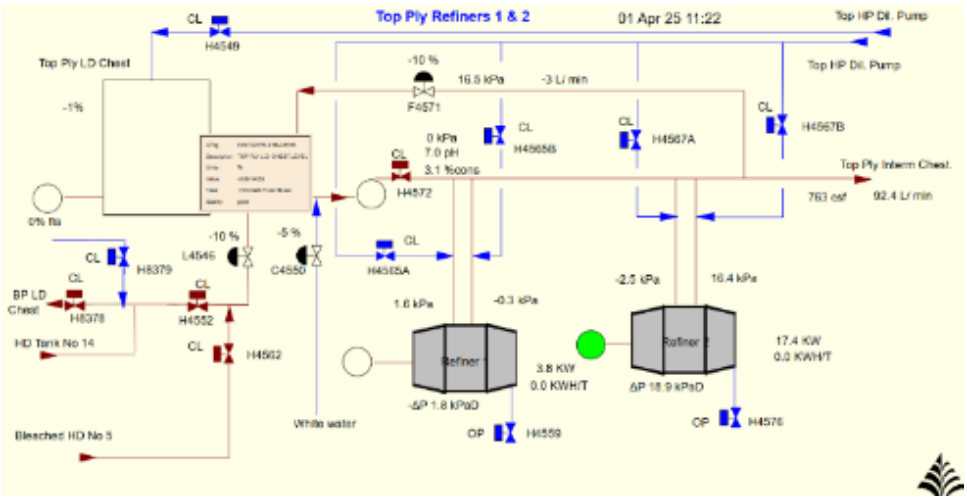
Drive: POPE, D315L, 415V/185kW/4P

Agit: Chemineer, 60PB1Z – Belt Drive





TOP PLY KRAFT REFINERS 1 & 2



Refiner 1:

Motor: EMC, 12L5225, 3.3kV/1300kW/12P

Refiner: JONES DD 4600 Series 42”

Refiner 2:

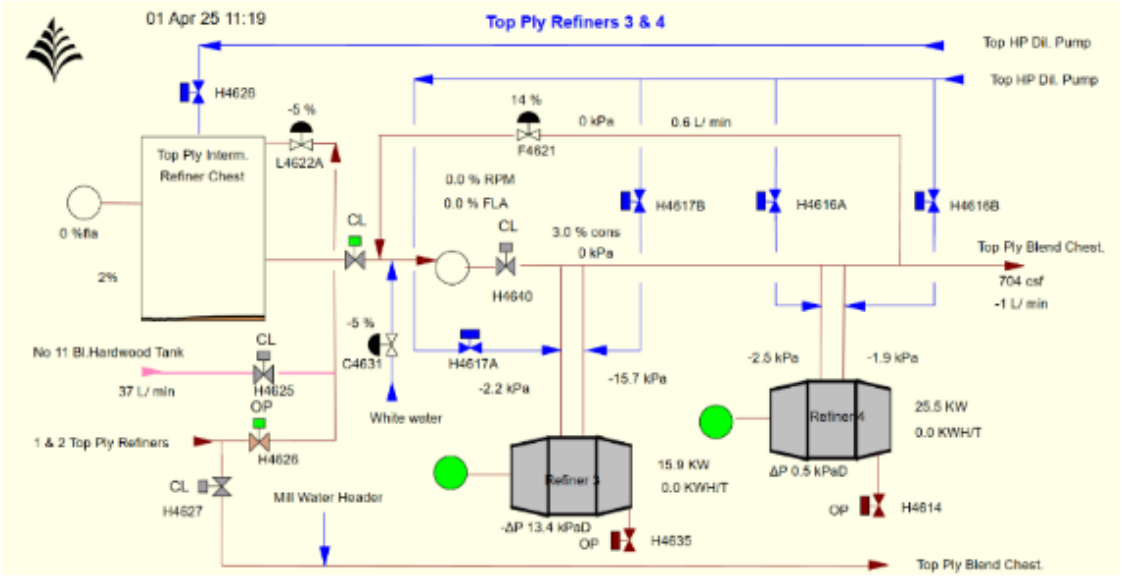
Motor: EMC, 12L5225, 3.3kV/1300kW/12P

Refiner: JONES DD 3300 Series 42”





TOP PLY KRAFT REFINERS 3 & 4



Refiner 3:

Motor: EMC, 12L5225, 3.3kV/1300kW/12P

Refiner: JONES DD 3300 Series 42”

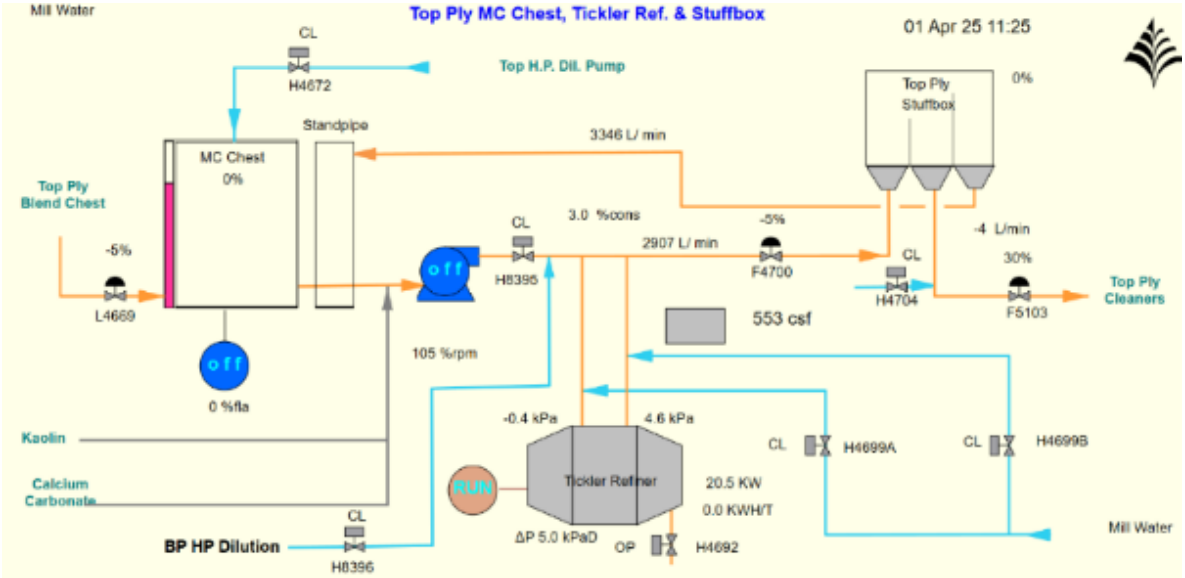
Refiner 4:

Motor: EMC, 12L5225, 3.3kV/1300kW/12P

Refiner: JONES DD 3300 Series 42”



TOP PLY KRAFT TICKLER REFINER



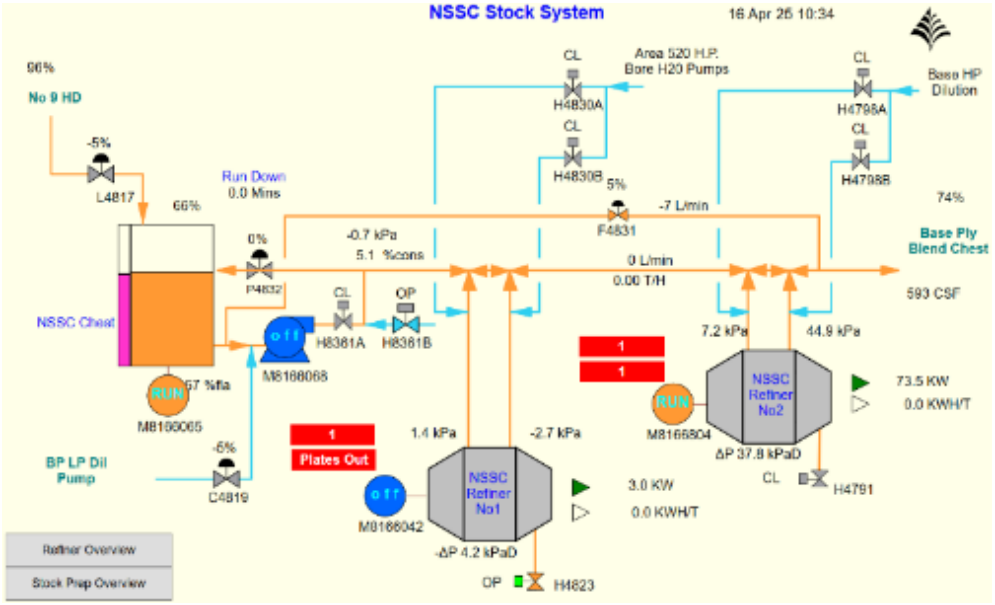
Tickler Refiner:

Motor: CGE, 779, 3.3kV/930kW/12P

Refiner: JONES DD 3300 Series 42”



NSSC REFINERS 1 & 2



Refiner 1:

Motor: CGE, 779Y, 3.3kV/1300kW/12P

Refiner: JONES DD 4600 Series 42”

Refiner 2:

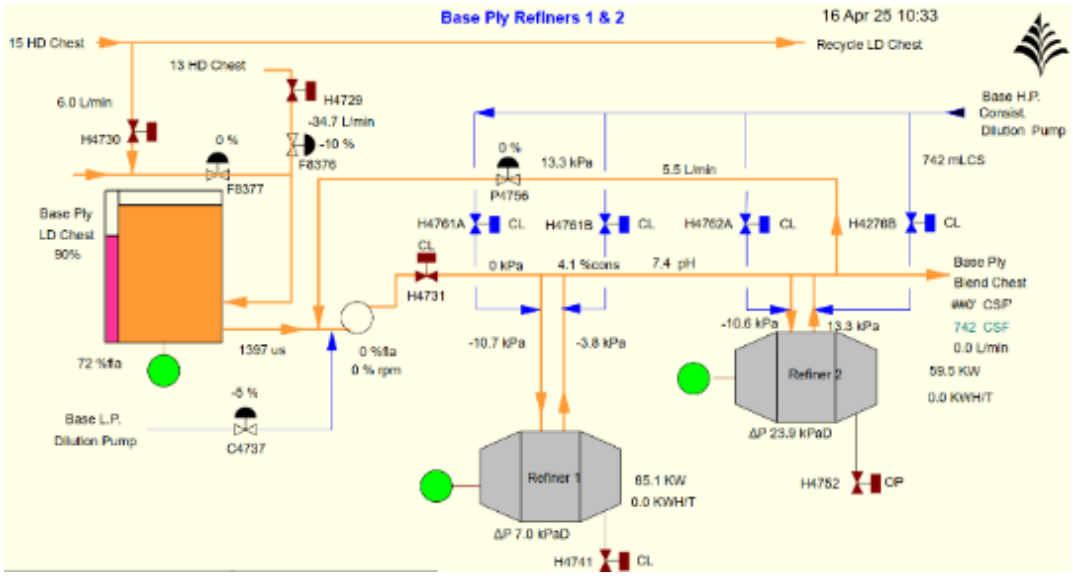
Motor: CGE, 779Y, 3.3kV/1300kW/12P

Refiner: JONES DD 3300 Series 42”





BASE PLY KRAFT REFINERS 1 & 2



Refiner 1:

Motor: EMC, 14L6224, 3.3kV/1500kW/12P

Refiner: JONES DD 46”

Refiner 2:

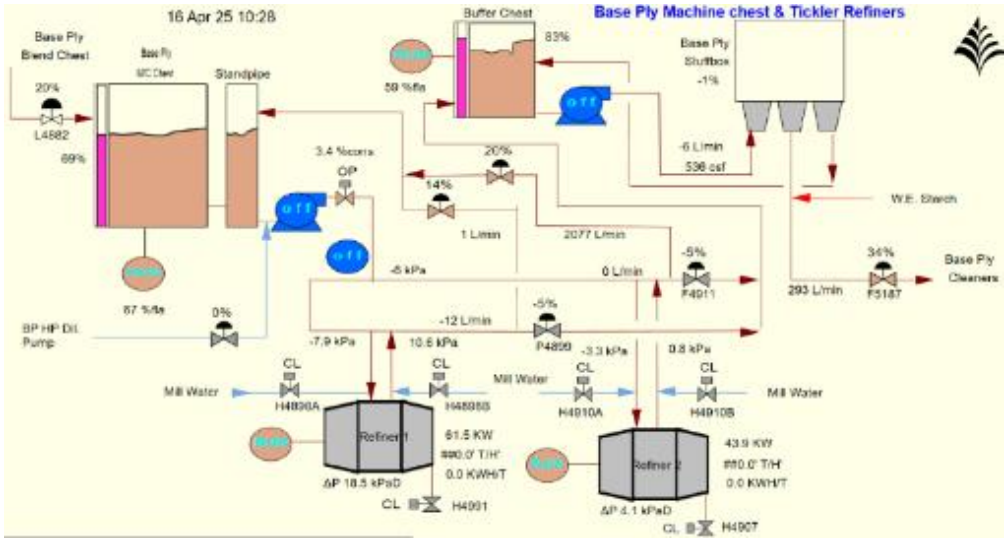
Motor: EMC, 14L6224, 3.3kV/1500kW/12P

Refiner: JONES DD 46”





BASE PLY TICKLER REFINERS



BASE PLY TICKLER REFINER 1 & 2

Refiner 1:

Motor: EMC, 12L525, 3.3kV/1300kW/12P

Refiner: JONES DD 3300 Series 42”

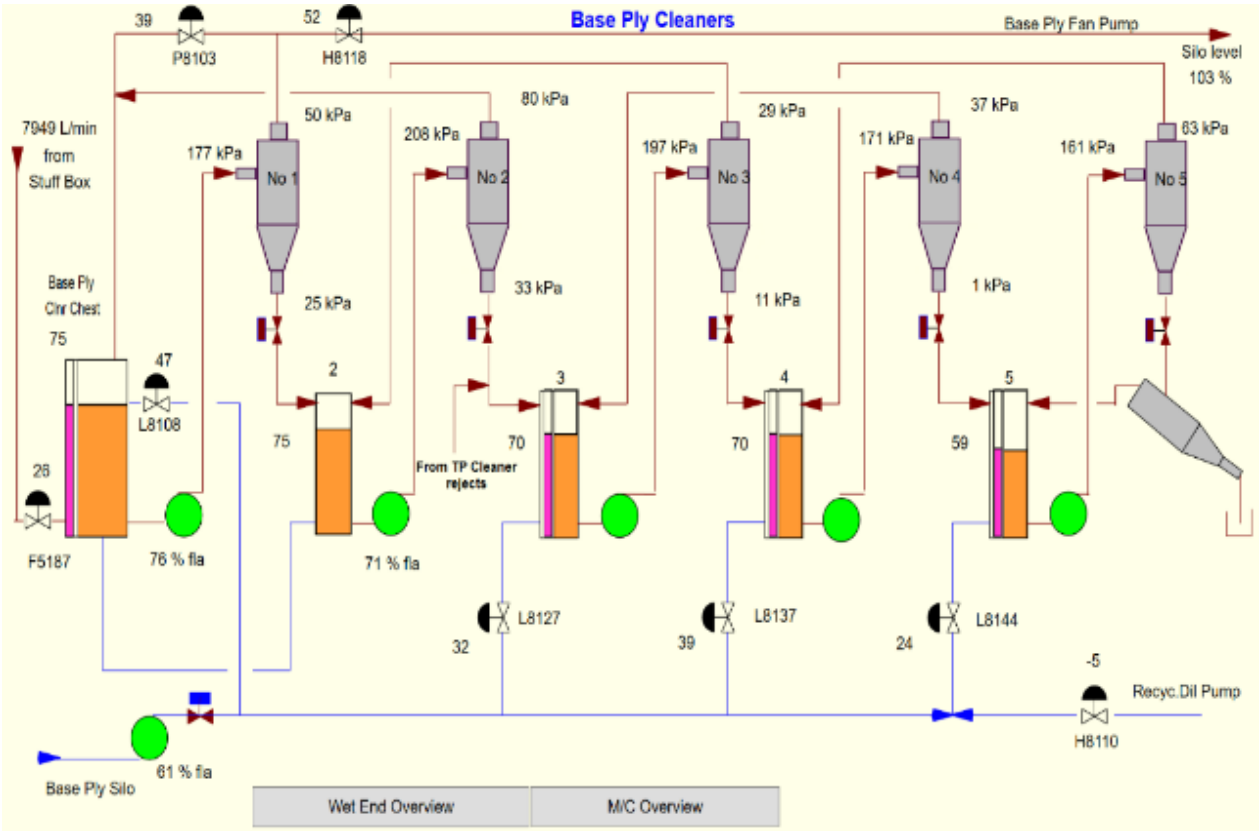
Refiner 2:

Motor: EMC, 12L525, 3.3kV/1300kW/12P

Refiner: JONES DD 3300 Series 42”



APPROACH SYSTEM



BASE PLY PRIMARY SCREENING

Base Ply Fan Pump

Motor: 2 x RELIANCE, 46CMG50, 415V/800kW/6P
Pump: AHLSTROM 2X80Y-2 Fan Pump, 2618l/s, 36.5m
VSD: ABB





Primary Screen

Motor: POPE, D355L, 415V/150kW/8P
Screen: Black Clawson, UV900, #96-UV900-8096
Belt Drive, 2.0mm Hole



BASE PLY SECONDARY SCREENING

Base Ply Secondary Screen Standpipe
ACME, 2500 Dia 14.7m^3
Base Ply Secondary Screen Standpipe Agitator
Motor: CMG, 415V/0.75kW/4P
Agit: CHEMINEER 20PB1S, Belt Drive
Base Ply Secondary Screen Pump
Motor: POPE, D250M, 415V/37kW/6P
Pump: AHLSTROM APP43-300, 216,1l/s, 12m






BASE PLY TERTIARY SCREENING

Base Ply Tertiary Standpipe
ACME, Dia m^3
Base Ply Tertiary Screen Pump
Motor: CMG, D160L, 415V/11kW/6P
Pump: AHLSTROM APP33-100, 27.7,1l/s, 15.2m
Base Ply Tertiary Screen
Motor: CMG D200L, 415V/18.5kW/6P
Screen: BLACK CLAWSON, MIAMI SELECTOR SCREEN 24P
Belt Drive, 2.0mm Hole





TOP PLY PRIMARY SCREENING

Top Ply Fan Pump

Motor: RELIANCE, 46CMG50, 415V/800kW/6P
Pump: AHLSTROM ZPP62-700 Fan Pump, 1356.1l/s, 29.0m
VSD: ABB



Primary Screen

Motor: POPE, D355L, 415V/150kW/8P
Screen: Black Clawson, UV900, #96-UV900-8096, Belt Drive, 2.0mm Hole



TOP PLY SECONDARY SCREENING

Top Ply Secondary Screen Pump

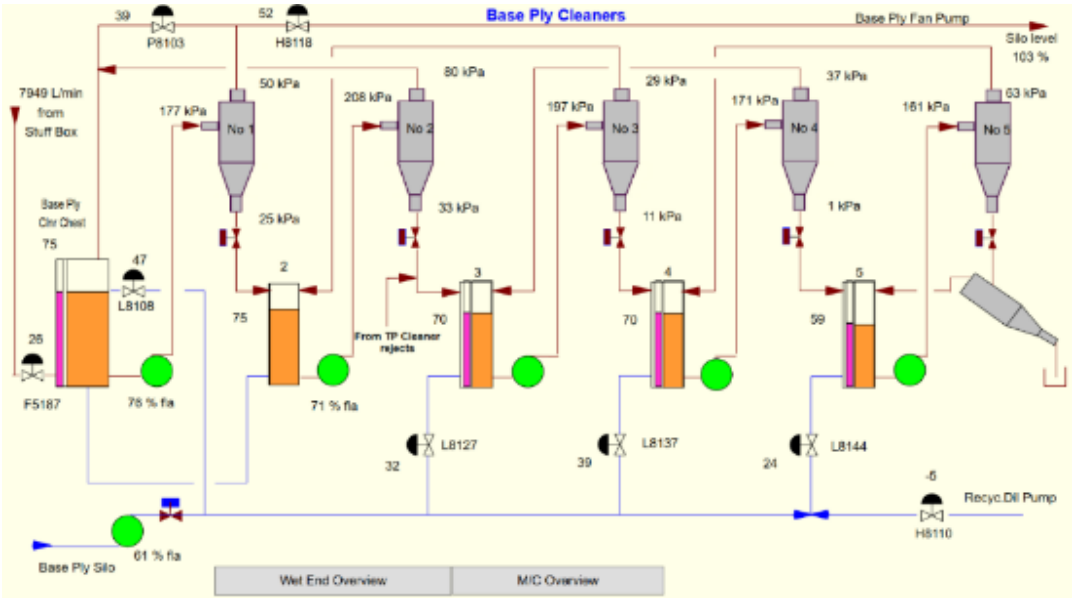
Motor: POPE, D280S, 415V/45kW/6P
Pump: AHLSTROM APP53-200, 108l/s, 25.4m

Top Ply Secondary Screen

Motor: POPE, D200L, 415V/22kW/6P
Screen: Black Clawson UV200 #96-UV200-8095, Belt Drive, 2.0mm Hole
NOTE: Rejects to Base Ply Secondary Screen Feed Tank



BASE PLY CLEANING



BASE PLY PRIMARY CLEANING SYSTEM

Base Ply Primary Cleaners Pump

Motor: Toshiba, 415V/750kW/8P

Pump: SULZER, ZPP62-700, 1653l/s, 28.3m





Base Ply Primary Cleaners

Make: GL&V

Model: ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners

Number cleaners installed: 40 + 40 +8 (88 Total)





BASE PLY SECONDARY CLEANING SYSTEM

Base Ply Secondary Cleaner Standpipe
ACME, 1200 Dia, 5.2m^3
Base Ply Secondary Cleaners Pump
Motor: POPE, D280S, 415V/45kW/6P
Pump: AHLSTROM APP53-200, 558l/s, 29.5m
VSD: ABB
Base Ply Secondary Cleaners
Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Number cleaners installed: 54





BASE PLY TERTIARY CLEANING SYSTEM

Base Ply Tertiary Cleaner Standpipe
ACME, 1100 Dia, 3.6m^3
Base Ply Tertiary Cleaners Pump
Motor: POPE, D315S, 415V/110kW/4P
Pump: AHLSTROM APP43-250, 207l/s, 28.1m
Base Ply Tertiary Cleaners
Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Number cleaners installed: 20 (manifold for 24)





BASE PLY QUATERNARY CLEANING SYSTEM

Base Ply Quaternary Cleaner Standpipe
ACME, 760 Dia, 1.35m^3
Base Ply Quaternary Cleaners Pump
Motor: POPE, D225M, 415V/45kW/4P
Pump: AHLSTROM APP42-150, 83l/s, 27.7m
Base Ply Quaternary Cleaners
Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Number cleaners installed: 4





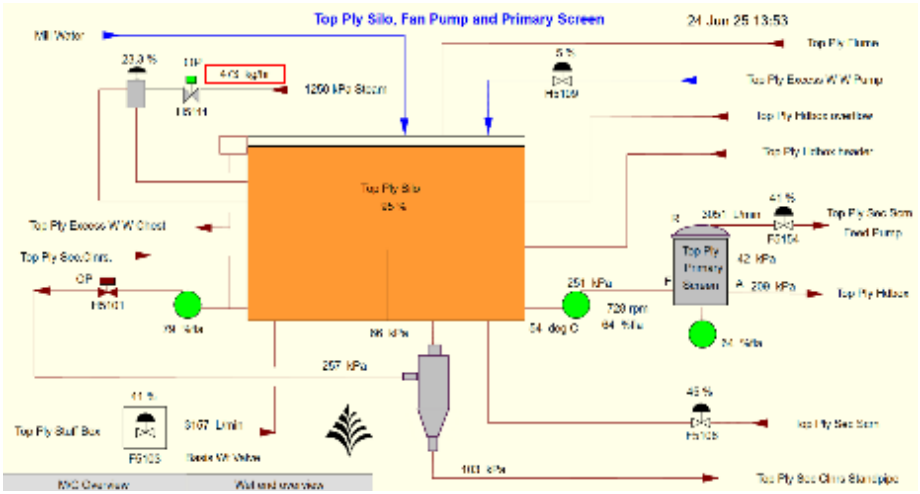
BASE PLY QUINTERNARY CLEANING SYSTEM (FIBREMIZER)

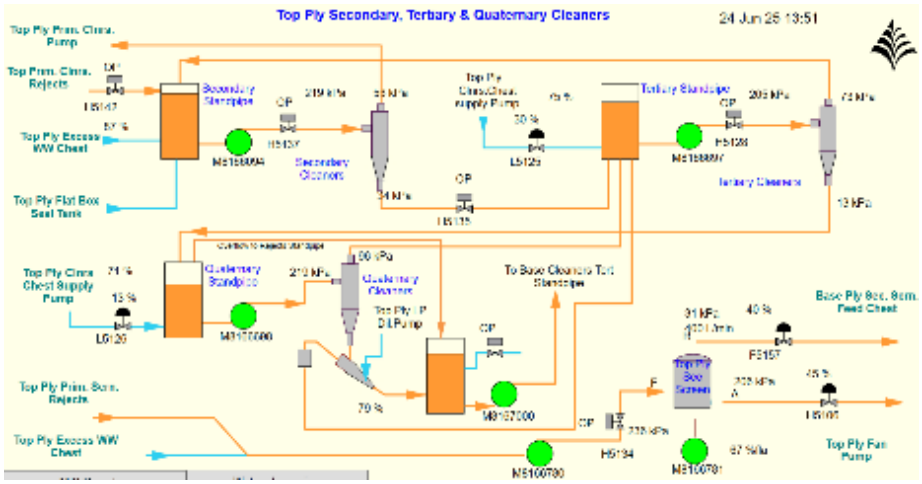
Base Ply Quintenary Cleaner Standpipe
ACME, 600 Dia, 0.91m^3
Base Ply Quintenary Cleaners Pump
Motor: POPE, D225M, 415V/37kW/4P
Pump: AHLSTROM APP33-100, 41.3l/s, 34.4m
Base Ply Quintenary Cleaners (Fibremizer)
Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 350
Number cleaners installed: 4





TOP PLY CLEANING





TOP PLY PRIMARY CLEANING SYSTEM

Top Ply Primary Cleaners Pump

Motor: WEG, D355L, 415V/250kW/6P

Pump: AHLSTROM ZTT-50, 688l/s, 25m



Top Ply Primary Cleaners

Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Number cleaners installed: 32 (64 Total)



TOP PLY SECONDARY CLEANING SYSTEM

Top Ply Secondary Cleaner Standpipe
ACME, 1200 Dia, 5.2m^3
Top Ply Secondary Cleaners Pump
Motor: Toshiba, D355LY, 415V/280kW/6P
Pump: AHLSTROM APP54-400, 558l/s, 29.5m
Top Ply Secondary Cleaners
Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Number cleaners installed: 19 (manifold for 24)







TOP PLY TERTIARY CLEANING SYSTEM

Top Ply Tertiary Cleaner Standpipe
ACME, 800 Dia, 1.12m^3
Top Ply Tertiary Cleaners Pump
Motor: POPE, D250S, 415V/37kW/6P
Pump: AHLSTROM APP53-100, 60.6l/s, 32.9m
Top Ply Tertiary Cleaners
Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Number cleaners installed: 6 (manifold for 8)



TOP PLY QUATERNARY CLEANING SYSTEM

Top Ply Quaternary Cleaner Standpipe
ACME, 450 Dia, 0.59m^3
Top Ply Quaternary Cleaners Pump
Motor: Marathon, D160M, 415V/15kW/2P
Pump: AHLSTROM APP21-65, 20.2l/s, 36.9m
Top Ply Quaternary Cleaners
Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 700 LD Centricleaners
Number cleaners installed: 4



TOP PLY QUINTENARY CLEANING SYSTEM (FIBREMIZER)

Top Ply Quintenary Cleaner Standpipe
ACME, 450 Dia, 0.5m^3
Top Ply Quintenary Cleaners Pump
Motor: POPE, D90L, 415V/1.5kW/4P
Pump: AHLSTROM APP11-32
Top Ply Quintenary Cleaners (Fibremizer)
Make: GL&V
Model: ALFA LAVAL CELLECO Cleanpac 350
Number cleaners installed: 1



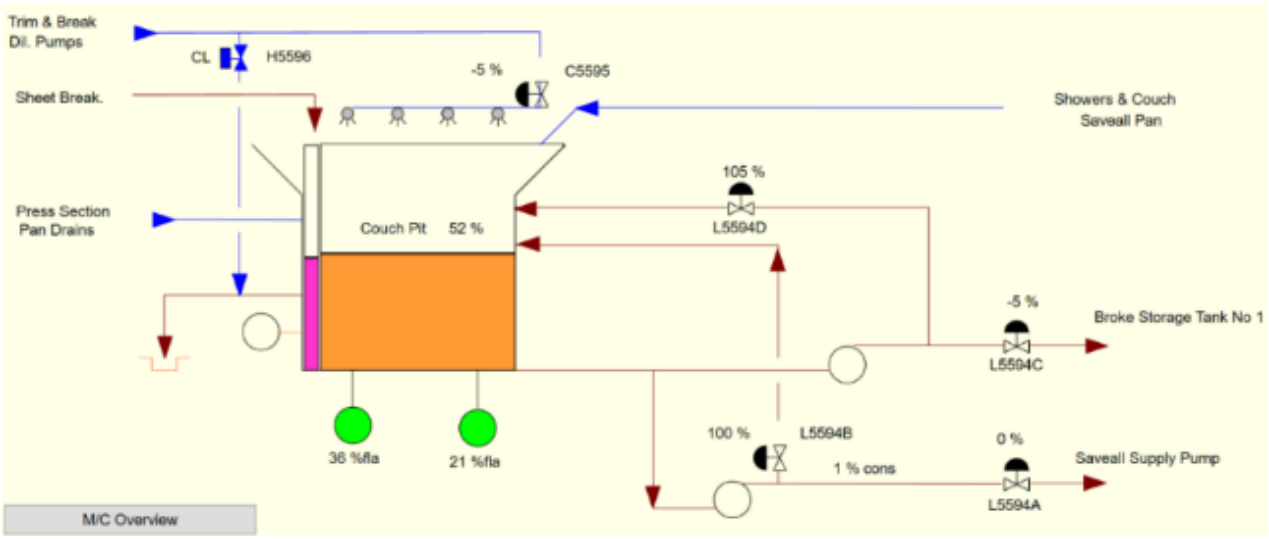
PULPERS/REPULPERS

HARDWOOD PULPER

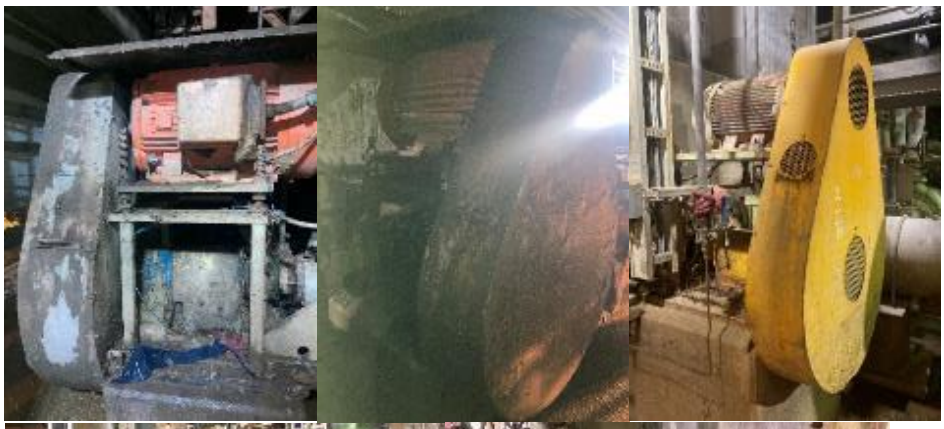
Conveyor:
Make: NZFP
Motor: WEG, D200L, 415V/18.5kW/6P
G/Box: Unknown
Pulper:
Make: Black Clawson
Model: 16'-0" Hydrapulper, 67.2" VOKES Rotor
Motor: Siemens 1LA5478, 425V/250kW/8P
Pulper: Black Clawson C512505 3B Hydrapulper
Pulper Discharge Pump:
Motor: CMG, D280S, 415V/75kW/4P
Pump: Allis Chalmers PWO, 40.5l/s 41m
Dilution Pump:
Motor: Newman, D180L, 415V/15kW/6P
Pump: Allis Chalmers PWO, 50l/s 15m



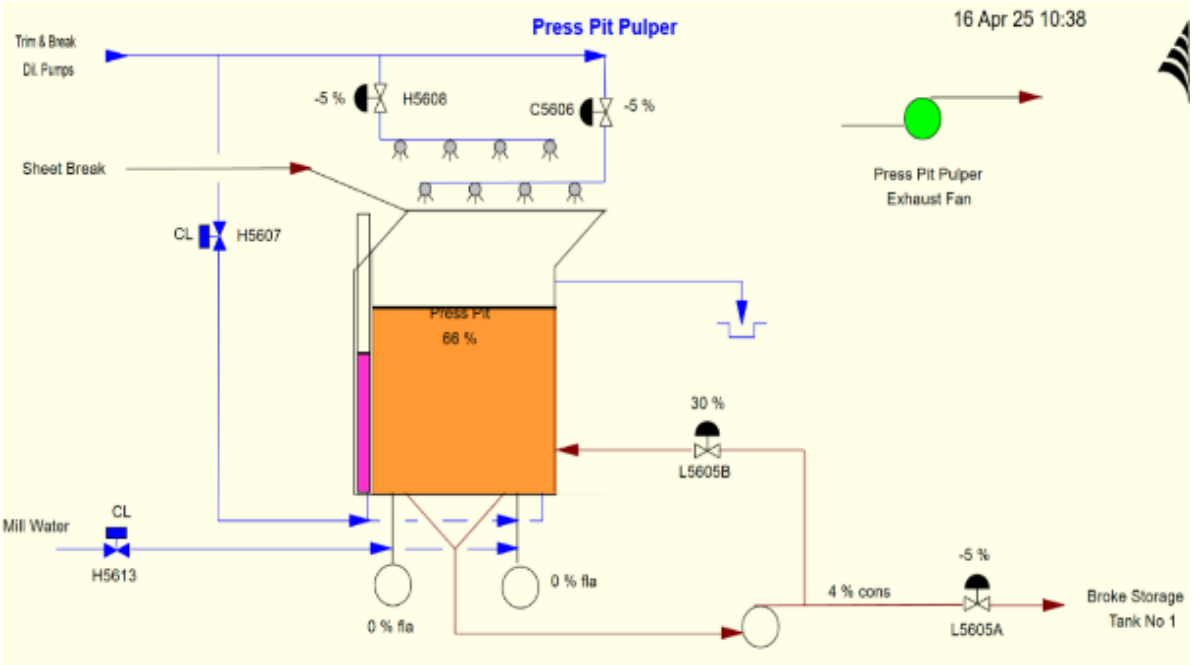
COUCH PIT REPULPER



Make: Beloit/Walsmley
Capacity: 69m^3
Drive: POPE, D315L, 415V/110kW/4P – x 2
Agit: Chemineer 60PB1Z, SD50/G – x 2
Couch Pit Scraper Unit
Drive: CMG, D200L, 415V/22kW/6P
Agit: Chemineer, 40PB1S
Couch Pit Trim Pump:
Drive: POPE, D280S, 415V/45kW/6P
Pump: AHLSTROM APP53-150, 99.2l/s, 24.3m
Couch Pit Break Pump:
Drive: POPE, D315L, 415V/150kW/6P
Pump: AHLSTROM APP52-400, 427l/s, 25m



PRESS PIT REPULPER



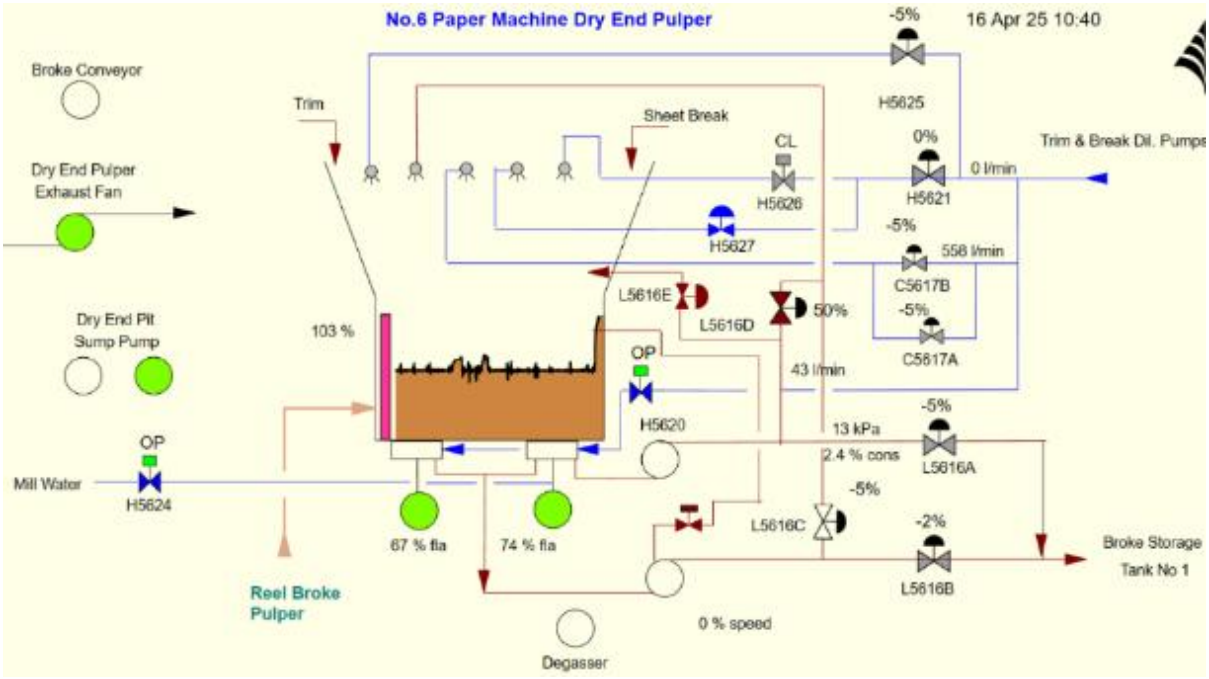
Make: VALMET SDF50/2G
Capacity: 48m^3
Drive: POPE, D315L, 415V/185kW/4P – x 2
G/Box: VALMET, S1G-315R/L, 6.235:1 – x 2
Agit: VALMET, SD50/G – x 2
Discharge Pump:
Drive: POPE, D355L, 415V/185kW/6P
Pump: SULZER APP52-400, 427l/s, 26.7m







DRY END REPULPER



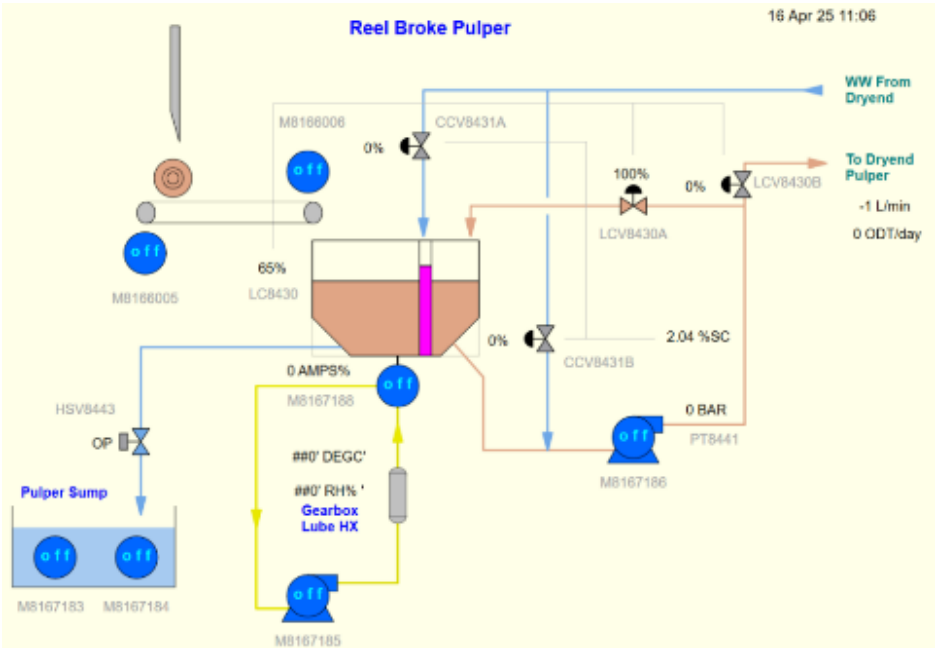
Make: VALMET SDF50/2G
Capacity: 61m^3
Drive: WEG, D315LY, 415V/315kW/4P – x 2
G/Box: VALMET, S1G-315P, 5.526:1 – x 2
Agit: VALMET, SD50/G – x 2
Discharge Pump:
Drive: CMG D355L, 415V/132kW/4P
Pump: SULZER APP44-200, 150l/s, 42m
Break Pump:
Drive: CMG D355L, 415V/315kW/6P
Pump: SULZER APP43-300, 426.7l/s, 31.3m
Pulper Vacuum
Drive: CMG D132S, 415V/5.5kW/4P
Pump: NASH AHF75MC







REPULPER



BROKE

Make: GL&V – 52” TRI-DYNE Model 5418

Capacity: 50m^3

Drive: WEG, D355LY, 3.3kV/355kW/6P

G/Box: DAVID JONES; 450V

Discharge Pump:

Drive: CMG D280M, 415V/55kW/6P

Pump: SULZER APP53-150, 141l/s, 70m

Conveyor:

Drive: POPE, D160M, 415V/7.5kW/6P

G/Box: RADICON BSO-10, 167.06:1

Guillotine Hydraulics

Drive: TECO,

Pump: Vickers 25VQ-21A-1C-20

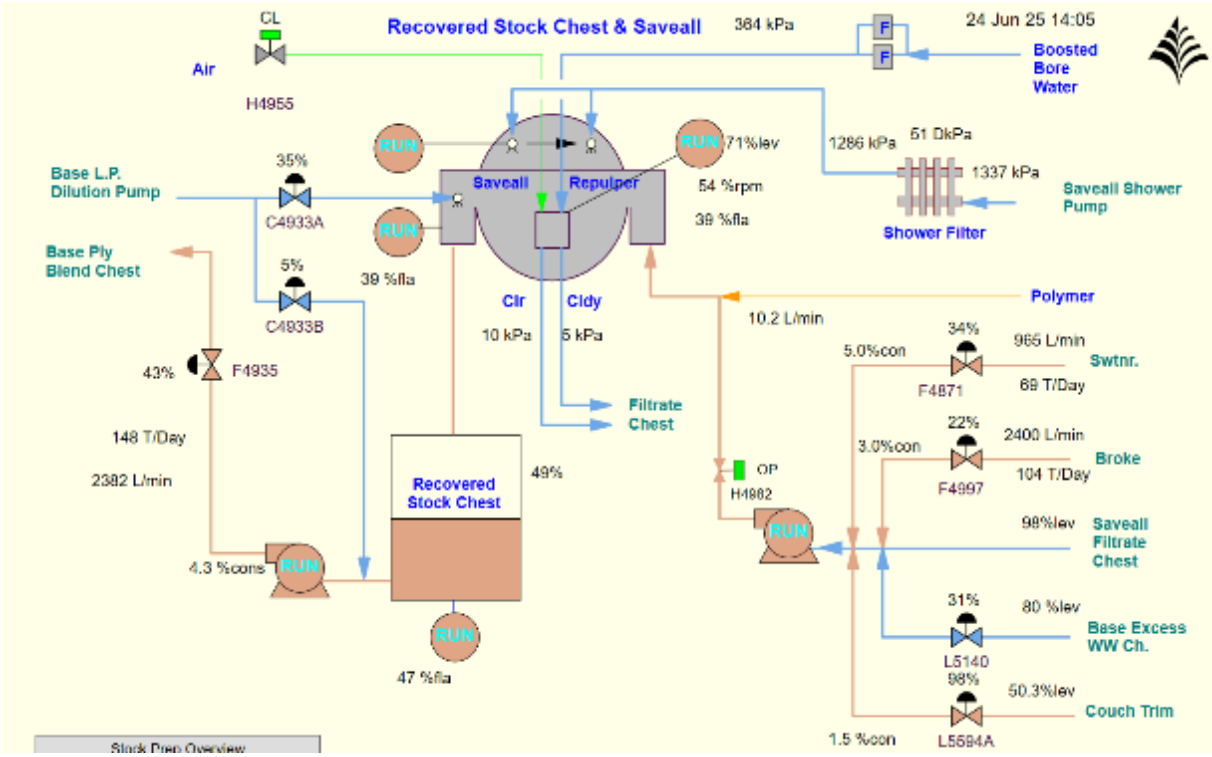
2.5m Guillotine, Conveyor System, Sump Pumps








POLYDISC SAVEALL



SAVEALL

Make: ALFA LAVAL, 5M-L1-10(8)-325,
Disk Diameter: 5.2m
Number of discs per sector: 14
Number of Sectors: 8
Min Process Design: 202.4 BDMTPD\25050 LPM\0.56%\522 CSF
Max Process Design: 419.7 BDMTPD\29763 LPM\0.98%\480 CSF





SAVEALL DRIVES

Saveall Drive
- Motor: POPE: D200L, 415V/22kW/6P
- G/Box: Link Belt/Rexnord, E450-21HK-RU-3-500, 500.58:1

Shower Drive
- Motor: POPE, D80, 415V/0.55kW/4P
- G/Box: Link Belt/Rexnord, MWH085X31B, 225:1

Repulper Drive
- Motor: CMG, D160L, 415V/15kW/4P
- G/Box: Link Belt/Rexnord, 215FX05, 4.933:1





SAVEALL PUMPS

Saveall Supply Pump
- Motor: POPE, D315M, 415V/110kW/6P
- Pump: AHLSTROM, APP52-400, 497l/s, 14.2m

Saveall Shower Pump
- Motor: POPE, D280S, 415V/75kW/2P
- Pump: AHLSTROM, APP23-50, 25.2l/s, 110.8m

Saveall Sweetener Pump
- Motor: POPE, D200L, 415V/22kW/6P
- Pump: AHLSTROM, APP44-150, 52.5l/s, 18.5m

Shower Strainer Supply Pump
- Motor: POPE, D250L, 415V/37kW/6P
- Pump: AHLSTROM, APP44-200, 121.4l/s, 20.0m







BROKE SYSTEM

Broke Transfer Pump

Motor: CMG, D355L, 415V/185kW/6P
Pump: AHLSTROM APP55-300, 325l/s, 39.1m

Broke Chest Agitator

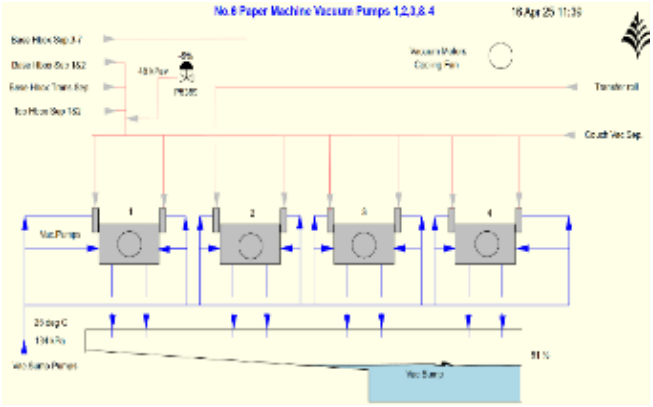
Motor: ASEA, MBRF27, 415V/75kW/6P
Agit: WALSMELY, 48" V.P. Prop Integral Agitator

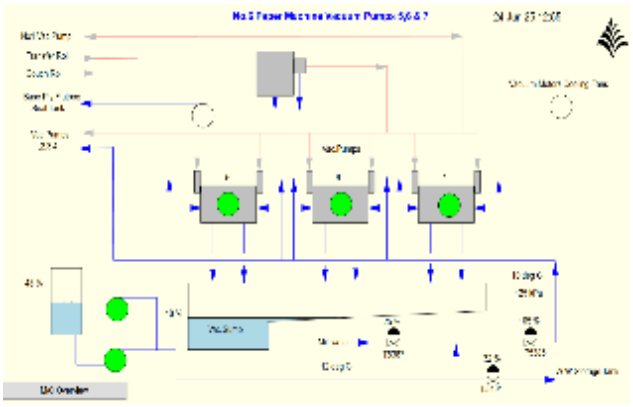
Broke To Saveall Pump

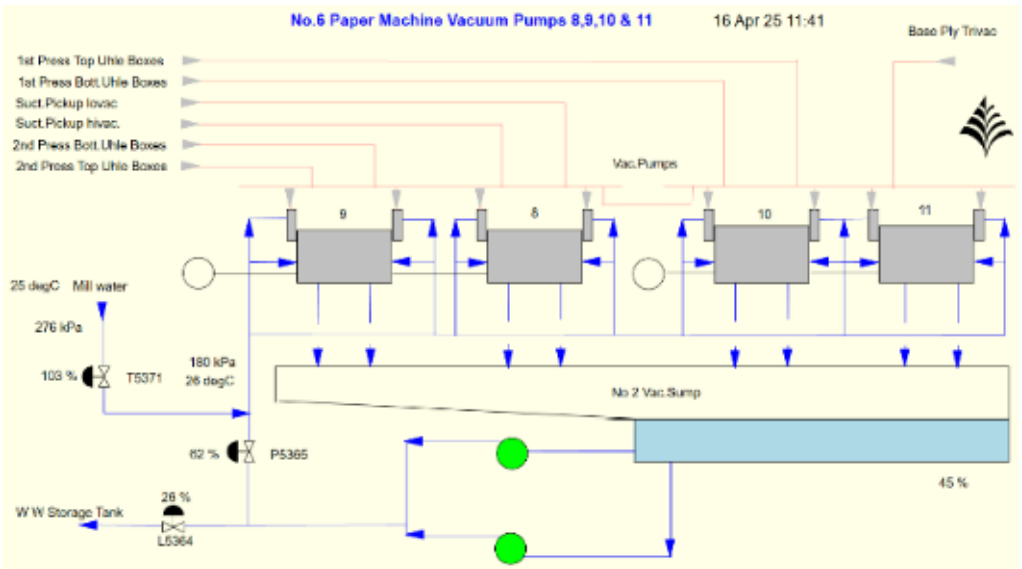
Motor: POPE, D280S, 415V/75kW/4P
Pump: GOULDS 3175M, 127.5l/s, 16.4m



VACUUM SYSTEM

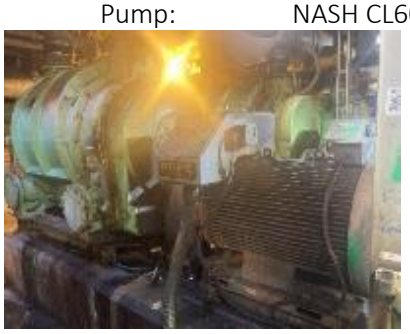






WIRE BOX TOP/BASE PLY VACUUM PUMP #1

Motor: POPE, D355LY, 415V/315kW/4P
Reduction: Pinion 23T/Gear 104T
Pump: NASH CL6001G



WIRE BOX BASE PLY VACUUM PUMP #2

Motor: POPE, D355LY, 415V/315kW/4P
Reduction: Pinion 23T/Gear 104T
Pump: NASH CL6001G



COUCH ROLL VACUUM PUMP #3

Motor: POPE, D355LY, 415V/315kW/4P
Reduction: Pinion 23T/Gear 116T
Pump: NASH CL6002G



COUCH ROLL VACUUM PUMP #4

Motor: POPE, D355LY, 415V/315kW/4P
Reduction: Pinion 23T/Gear 116T
Pump: NASH CL6002G



VACUUM BOX VACUUM PUMP #5

Motor: POPE, D355LY, 415V/315kW/4P
Reduction: Pinion 23T/Gear 104T
Pump: NASH CL6001G



VACUUM BOX VACUUM PUMP #6

Motor: POPE, D355LY, 415V/315kW/4P
Reduction: Pinion 23T/Gear 116T
Pump: NASH CL6002G



VACUUM BOX VACUUM PUMP #6

Motor: POPE, D355LY, 415V/315kW/4P
Reduction: Pinion 23T/Gear 104T
Pump: NASH CL6001G



SUCTION PICK UP #8 AND 2ND PRESS #9 VACUUM PUMPS

Motor: CGE, 779Y, 3.3kV/1000kW/12P
Reduction: Falk, 465A1-C, 2.043:1
Pump: #8 – NASH 904/S2, #9 – NASH 904/U2




1ST PRESS TOP/BOT PRESS FELT #10 AND TRIVAC #11 VACUUM PUMPS

Motor: CGE, 779Y, 3.3kV/1000kW/12P
Reduction: Falk, 465A1-C, 2.043:1 and PGD-280-M1, 0.675:1
Pump: #10 – NASH 904/U2, #11 – NASH CL6001G



VACUUM SUMP #1 EXTRACT PUMPS

Motor: CMG, D180L, 415kV/22kW/4P x 2
Pump: ITT Marlow 4EIPEL, 4", 28.7l/s, 25.1m x 2




VACUUM SUMP #2 EXTRACT PUMPS

Motor: CMG, D225S, 415kV/37kW/4P x 2
Pump: ITT Marlow 4EIPEB, 4", 28.7l/s, 25.1m x 2 – Belt Drive




WINDER

WINDER

Make: Valmet
Model: Windrum-M
DOM: 1997
Speed: 2300m/min
ACC Rate 0.7m/S^2
Web Tension 1960Nm
Max Reel Width: 6450
Max Reel Dia: 2745
Trim Width: Max 6400, Min 6050, Min Slitting Width 142mm
Number of Slitters: 14
Trim: Trim/Side Max – 150mm, Trim/Side min – 20mm
Max Dia: 1828mm
Cores: 76mm, 89mm, 102mm
Control System: VALMET Windcontrol
Slitter Positioning: VALMET Windposit
Hydraulic System, Trim Fan & Ducting










WINDER DRIVES:

Unwind:
- Motor: Reliance 9240, 575V/550kW/6P
- Drive: AB Powerflex 755

Rear Drum:
- Motor: Reliance 28EC5812S, 575V/450kW/6P
- Drive: AB Powerflex 755

Front Drum:
- Motor: Reliance 28EC5812S, 575V/450kW/6P
- Drive: AB Powerflex 755





CORE CUTTING

Make: CORE LINK
Model: TYPE 3090 with Dual side Hoppers & Dust Extraction





ROLL HANDLING

KICKER & CUSHION ROLL STOPS

Make: LAMB-GRAYS
Model: 63 & 76 Cushion roll Stops



REEL STENCILLER

Make: VALMET
Model: Reel Stenciller



STRAPPER

Make: SIGNODE
Model: M20RMF
Comes with spare head



LOWERATOR

Make: LAMB-GRAY HARBOUR
Model: 13 E85W-0
Speed Up: 130 FPM
Speed Down 130 FPM



PROFILING

QCS SCANNER



Year: 1997

Upgrade: 2019 upgraded to NP1200 with NP PCIe ASPC Assembly

Sensors:

- Smart Basis Weight Sensor (Krypton 85 Assembly)
- GT Caliper Sensor
- HP Colour Sensor
- HPIR – T Moisture Sensor
- Smart Ash Sensor
- Sheet Edge Sensor

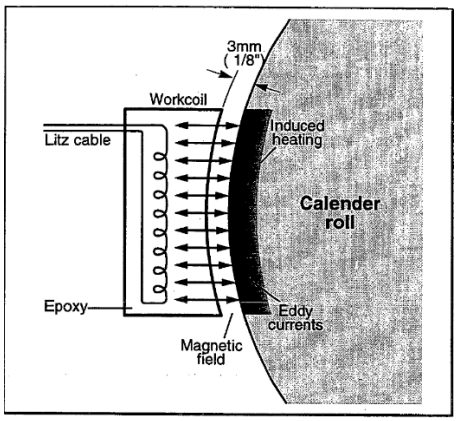
QCS System:

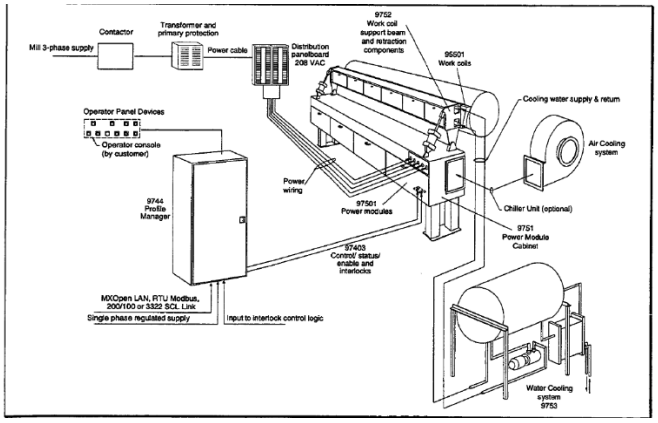
- 800xA QCS 6.1 SP2
- Two-Ply System Configuration
- MD and MCD control
- MD level 1 control on Foxboro DCS (Except weight control direct on ABB QCS system)

CALLIPER PROFILER

Complete System with Actuators, Support and Power Modules
Make: Measurex Devron

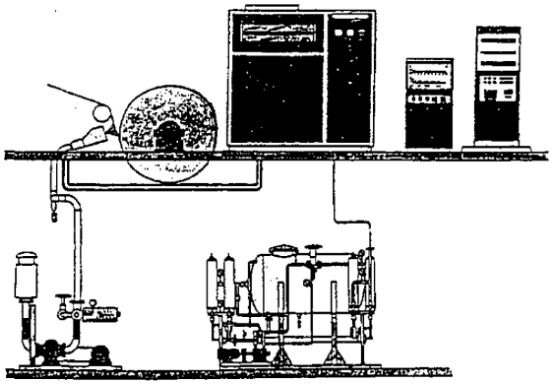
Type: Calcoil
Model: 4000 HT, Electromagnetic Induction
Rating: 4kW per zone
Work Coil Standard Width: 76.2 angled and Water cooled
Work Coil Number: 45
Maximum Working Temperature: 160 ^{0}C





MOISTURE PROFILER

Make: VIB
Model: Type Spraydampener EC
Spray Number: 64
Consists of Cd Control Sprayboom/Culr Control Sprayboom with actuated nozzles, control unit, water supply unit with filters & pumps, Air supply unit







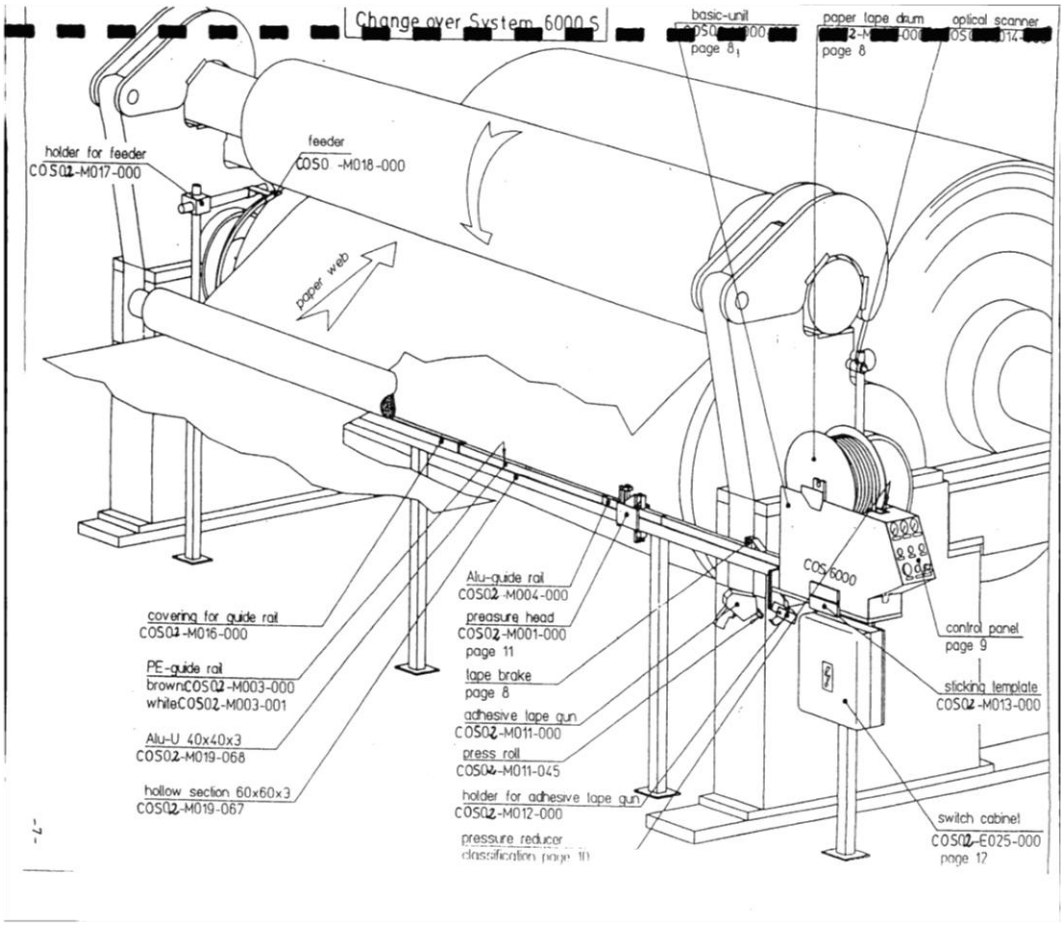
REEL CHANGEOVER SYSTEM

Make: Sandar Industries

Model: TUSA III
DOM: 2002

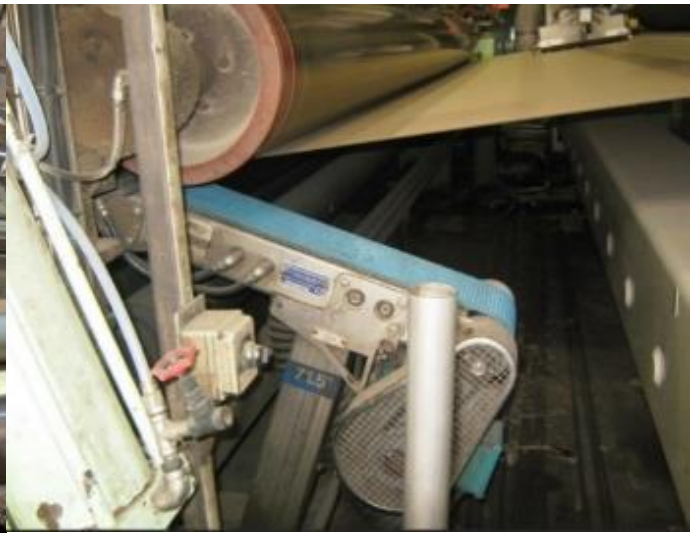






TAIL FEED SYSTEMS

Make: VOITH
Model: VIBRON

SHOWER WATER FILTERING SYSTEMS

STRAINER

MAKE: AES
MODEL: 4040 Gravity Strainer, 100 mesh screen



BACKFLUSH FILTERS

CLARIFIED WHITE WATER – LP AES, 5600S8A2 Internal Backwash Filter

FRESHWATER – LP AES, 5600S16A2 Internal Backwash Filter
CLARIFIED WHITE WATER – HP
FRESH WATER – HP AES, 6750C7A2 High Pressure Filter






WATER SYSTEM PUMPS

Top High Pressure Consistency Dilution Pump
Motor: POPE, D315M, 415V/132kW/4P
Pump: AHLSTROM APP53-100, 108.3l/s, 69.1M



Low Pressure Clarified White Water Pump
Motor: POPE, D315M, 415V/90kW/6P
Pump: AHLSTROM APP55-100, 76l/s, 55.8M



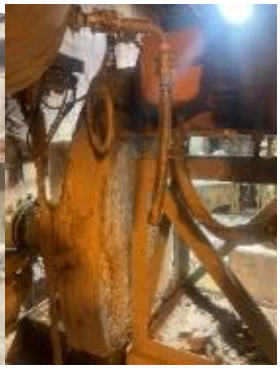
Base Ply Buffer Chest Pump
Motor: POPE, D315L, 415V/185kW/4P

Pump: AHLSTROM APP43-300, 233.3l/s, 12.3m

Base Ply Buffer Chest Agitator

Motor: POPE, D280M, 415V/55kW/6P

Agit: JONES 4522

Base Ply White Water Silo Pump

Motor: TOSHIBA, D400LY, 415V/315kW/8P

Pump: AHLSTROM APP61-600, 1150l/s, 13.3m



Base Ply Silo WW Recirc Pump

Motor: POPE, D200L, 415V/18.5kW/6P

Pump: AHLSTROM APP41-300, 166.7l/s, 7.5m



Base Ply Excess WW Chest Pump

Motor: POPE, D280M, 415V/55kW/6P

Pump: AHLSTROM APP52-400, 308.2l/s, 11.1m



Top Ply Low Pressure Consistency Dilution Pump

Motor: POPE, D315S, 415V/75kW/6P
Pump: AHLSTROM APP53-250, 170l/s, 26.6m



Top Ply Cleaner Dilution Supply
Motor: POPE, D200L, 415V/18.5kW/6P
Pump: AHLSTROM APP41-300, 158.3l/s, 8.1m



Base Ply HP Consistency Dilution Pump
Motor: POPE, D315M, 415V/132kW/4P
Pump: AHLSTROM APP53-100, 108.3l/s, 69.1m



Clear White Water Pump
Motor: POPE, D315M, 415V/75kW/6P
Pump: AHLSTROM APP51-300, 317l/s, 16.6m



Base Ply LP Consistency Dilution

Motor: POPE, D315M, 415V/110kW/6P

Pump: AHLSTROM APP53-250, 211.4l/s, 31m



Trim Dilution Pump

Motor: CMG, D180M, 415V/18.5kW/4P

Pump: AHLSTROM APP32-125, 41.7/s, 21.9m



Break Dilution Pump

Motor: POPE, D315M, 415V/132kW/6P

Pump: AHLSTROM APP52-400, 467.4l/s, 21.9m



Recycle Dilution Pump

Motor: POPE, D315M, 415V/75kW/8P

Pump: AHLSTROM APP52-400, 465/s, 10.5m



2nd Press Bottom Felt Separator Pump

Motor: POPE, D112M, 415V/4kW/4P

Pump: BUFFALO CR0 7011, 400 GPM, 32ft



Base Ply Flatbox Seal Tank Pump 816-30-140

Motor: POPE, D200L, 415V/15kW/8P

Pump: AHLSTROM APP43-250, 163.4l/s, 4.8m



1st Press Bottom Felt Separator Pump

Motor: Marathon, D112M, 415V/4kW/4P

Pump: Buffalo CRO 7011, 400 GPM, 32ft



High Pressure Fresh Water Shower Pump

Motor: POPE, D355LY, 415V/280kW/2P

G/Box: FALK, 305AH1-s, 1:1.224

Pump: Rotojet R0A111 4x3, 1800l/min, 330m



Low Pressure Fresh Water Shower Pump 816-30-141

Motor: POPE, D315M, 415V/132kW/6P

Pump: AHLSTROM APP55-200, 114.2l/s, 51.7m



High Pressure Fresh Water Shower Primer Pump 816-30-57

Motor: POPE, D280M, 415V/37kW/4P

Pump: AHLSTROM APP33-125



Fresh/Bore Water Booster Pumps x 3

Motor: POPE, D160L, 415V/18.5kW/2P

Pump: AJAX 2L, 120GPM 220ft



PM6 Machine Hydraulics Cooling Pump 816-30-381

Motor: POPE, D160M, 415V/11kW/2P

Pump: AHLSTROM APP22-32, 200l/min, 340kPa



TRIMJET SYSTEMS

Wire Section

PMS THD-PS2-170E3-T3-2, serial 0050, BOM 2020

Motor: 415V/1.1/8P

Pump: Triplex Pump – NP16/21-140, 9.85l/min, 40Bar

Press Section

Motor: CMG, D132S, 415V/5.5kW/4P

Pump: Hydracell D10, 33 l/min, 103Bar





ADDITIVE SYSTEMS

PAC System
Starch
Starch Spray
Dilute Alum
ASA Size
Calcium Carbonate
Dilute Acid
Dye System
Defoamer
Silica Retention Aid (Top Ply Only)
Barrier Chemical (Zenix)

HYDRAULIC AND LUBRICATION POWER UNITS



1st Press Hydraulics



Wet End Lube System



Wet End Hydraulics



Press Hydraulics

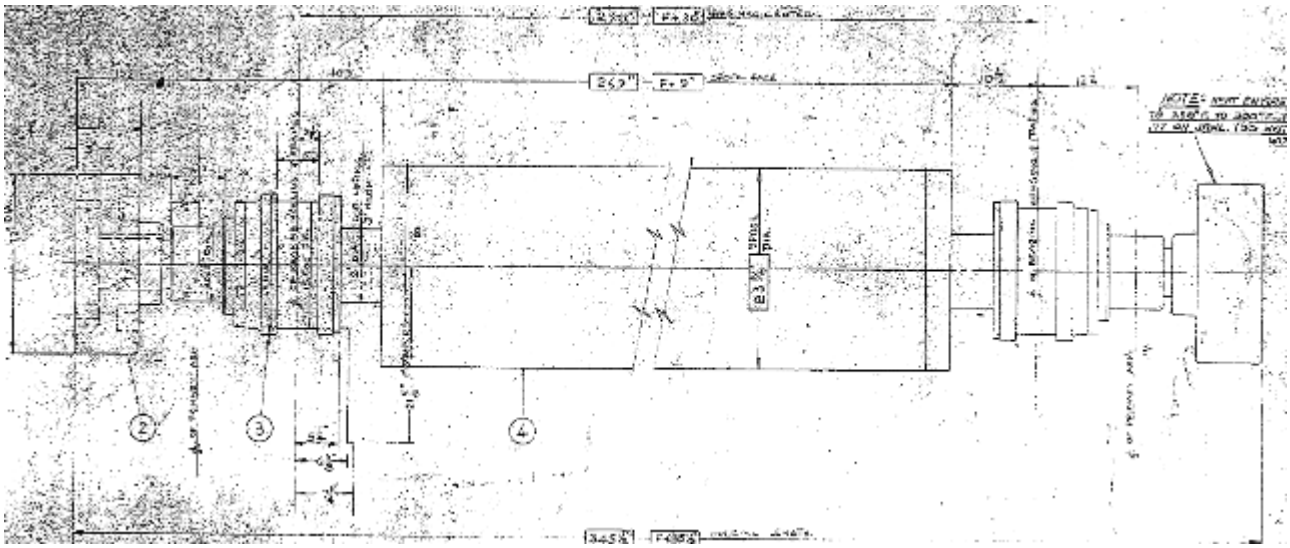


Press Hydraulic Filter Bank

SPOOLS

Spools: 7 Functional, 3 require new covers





WIS & WMS

Make: PaperTech
Model: Webvision BreaK Detectors System – 21 Cameras
Web Inspector Defect System – 3 Cameras



SAFETY CAGING

Access Lockout



DRYER CAGING

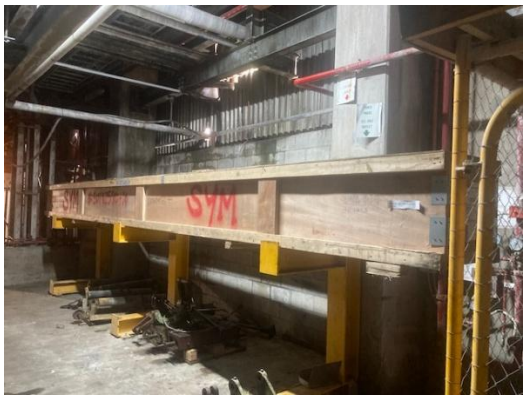




CLOTHING





Kinleith Clothing Stock 04/12/2025

Position	SAP #	Manufacturer	Piece #	Style	Dimensions
Base F/D Wire	2016386	ALBANY	30739332-20	KRAFTEX D350	61.92 x 6.93m
Base F/D Wire	2016386	ALBANY	30749460-10	KRAFTEX D350	61.92 x 6.93m
Top F/D Wire	2016387	VOITH	12179090	MULTIFORM HRY	26.1 x 6.95m
Top F/D Wire	2016387	ALBANY	30766583-20	KRAFTEX XF	26.2 x 7.0m
Top F/D Wire		VOITH		NEPTUNE	26.1 x 6.95m
1st Press Top	2016371	ALBANY	30765484-10	DYNATEX 300	25 x 6.97m
1st Press Top	2016371	ALBANY	30768481-20	DYNATEX 300	25 x 6.97m
1st Press Top	2016371	ALBANY	30768482-10	DYNATEX 300	25 x 6.97m
1st Press Top		ALBANY	425055-01	DYNAPLANE IV	25.4 x 6.94m
2nd Press Top		VOITH	10876730	MULTIFLX VC4	24.8 x 6.96m
1st Press Bottom	2016370	ALBANY	30708482-10	DYNATEX 300	19.6 x 6.97m
1st Press Bottom	2016370	ANDRITZ	237830	UNKNOWN	19.6 x 6.97m
1st Press Bottom	2016370	ALBANY	30765807-10	DYNATEX 300	19.6 x 6.97m
1st Press Bottom	2096371	ALBANY	30765483-10	SEAMTECH 2	19.6 x 6.97m
1st Press Bottom		ALBANY	425535-01	DYNAPLANE IV	19.6 x 6.94m
2nd Press Bottom		VOITH	10876732	MULTIFLEX VC4	19.6 x 6.94m
2nd Press Top	2016375	ANDRITZ	236885-10	UNKNOWN	25.4 x 6.94m
2nd Press Top	2016375	ALBANY	30760116-10	DYNATECH PLUS IV	25.4 x 6.94m
2nd Press Top		VOITH	10346109	UNKNOWN	UNKNOWN
2nd Press Top		VOITH	10346458	UNKNOWN	UNKNOWN
2nd Press Bottom	2016374	ANDRITZ	241256	STRATAPRESS B FH	19.6 x 6.94m
2nd Press Bottom	2016374	ALBANY	30724644-10	DYNATECH PLUS IV	19.6 x 6.94m
2nd Press Bottom	2016374	ALBANY	30756771-10	DYNATECH PLUS IV	19.6 x 6.94m
2nd Press Bottom		VOITH	10369108	UNKNOWN	UNKNOWN
2nd Press Bottom		VOITH	10346108	UNKNOWN	UNKNOWN
2nd Press Symbelt	2016368	ALBANY	30782580-10	VENTABELT XT	4.48 x 7.95m
2nd Press Symbelt		ALBANY	100257	VENTABELT 5559	4.489 x 7.795
2nd Press Symbelt		ALBANY	100258	VENTABELT 5559	4.489 x 7.795

1st Dryer Unirun	2016369	ALBANY	30546675-20	AEROPOINT K	37 x 6.94m
1st Dryer Unirun	2016369	ALBANY	30521558-10	AEROTHERM XL	37 x 6.94m
1st Dryer Unirun	2016369	ASTON JOHNSON	4394883	CLEANTEC	37 x 6.8m
1st Dryer Unirun	2016369	ANDRITZ	900790	UNKNOWN	37 x 6.8m
1st Dryer Unirun		VOITH	1058	AM PORO A100	52.12 x 6.93m
1st Dryer Unirun		VOITH	1084	AM PORO A100	52.12 x 6.93m
1st Dryer Unirun		ALBANY	78551	SS-574-450J	52.12 x 6.93m
2nd Dryer Top	2016372	ASTON JOHNSON	4372710	MONOTIER III R6+	40.3 x 6.97m
2nd Dryer Top	2016372	ASTON JOHNSON	4381395	MONOTIER III R6+	40.3 x 6.97m
2nd Dryer Top	2016372	ANDRITZ	900973	UNKWOWN	40.3 x 6.93M
2nd Dryer Bottom	2016372	ANDRITZ	900794	UNKNOWN	42.3 x 6.93m
3rd Dryer Top	2016377	ALBANY	30750151-10	AEROPOINT HD RE	60 x 6.93M
3rd Dryer Top	2016377	ALBANY	30765486-10	AEROPOINT HD RE	60 x 6.93M
3rd Dryer Bottom	2016376	ALBANY	30727414-10	AEROPOINT HD	63.8 x 6.93m
3rd Dryer Bottom	2016376	ANDRITZ	900948	UNKNOWN	63.8 x 6.93m
4th Top Dryer	2016379	VOITH	12217757	ZIRCON-H	59 x 6.93m
4th Top Dryer	2016379	ALBANY	30669150	AEROPOINT HD RE	59 x 6.93m
4th Top Dryer	2016379	ANDRITZ	900724	UNKNOWN	59 x 6.93m
4th Dryer Bottom	2016378	VOITH	12299654	ZIRCON-H	59 x 6.93m
4th Dryer Bottom	2016378	VOITH	12370515	ZIRCON-H	59 x 6.93m
5th Dryer Top	2016381	ALBANY	30782032-10	AEROPOINT HD RE	41 x 6.91m
5th Dryer Top	2016381	ALBANY	30760004-10	AEROPOINT HD RE	41 x 6.93m
5th Dryer Top	2016381	ALBANY	30768924-10	AEROPOINT HD RE	41 x 6.93m
5th Dryer Bottom	2016380	VOITH	12217758	EVAPORITE HIGH	53 x 6.93m
5th Dryer Bottom	2016380	ALBANY	30669152-10	AEROPOINT HD	53 x 6.93m
7th Dryer Top	2016383	ANDRITZ	900606	UNKNOWN	41 x 6.90m
7th Dryer Top	2016383	ANDRITZ	900673	UNKNOWN	41 x 6.90m
7th Dryer Bottom	2016382	VOITH	12292685	ZIRCON H	43 x 6.91m
7th Dryer Bottom	2016382	VOITH	12292686	ZIRCON H	43 x 6.91m
7th Dryer Bottom	2016382	ALBANY	30758891-10	AEROPOINT HD	43 x 6.91m
7th Dryer Bottom	2016382	ALBANY	30758893-10	AEROPOINT HD	43 x 6.91m
7th Dryer Bottom	2016382	ALBANY	30758890-10	AEROPOINT HD	43 x 6.91m
7th Dryer Bottom	2016382	ANDRITZ	900674	UNKNOWN	UNKNOWN

MACHINE ROLLS

PM 6 roll list (2020)

	Description	No in M / C	Dia	Weight	Roll Spares	Face length	Bearing Distance
			(mm)	(kg)			(mm)
Former Sections	Breast Roll	2	914	6750	1	7050	7620
	Turning Roll	2	915	5750	1	7050	7550
	Couch Roll Base Ply Only	1	1397	32522	Shell		7823.2
	Transfer Roll/Forming Roll	1	1000	5500	1	7050	7550
	Wire Return Rolls Driven Type	9	660	3400	1	7050	7550
	Wire Return Rolls Spherical	2	660	3500	1	7050	7550
	Top Couch Roll Base Ply Only	1	718	6125	1		7696.2
Press Section	First Press Top & Bottom B & G	2	1515	13067	2	6985	7900
	Second Press Bottom Sym ZL Roll	1	1160	43000	1	7000	8400
	Second Press Top Sym-Belt Roll	1	1425	34000	Shoe	6700 nip	8400
	Pick-up & Transfer Suction Rolls	2	1090	14500	1		7882
	Press Felt Rolls Plain & Wormed	13	517.5	2454	2	7036	7696
	Press Felt Rolls Standard	6	510	2100	1	7050	7696
	Press Felt Rolls Short	4	510	2100	1	7050	7170
Dryer Section	Drying Cylinders Existing	61	1524	11158	0	6756	7833
	Drying Cylinders New	10	1524	10500	0	6760	7790
	Dry Felt Roll Type **N**	7	504.8	2314	2	7061	
	Dry Felt Roll Type **M**	24	504.8	2314	0	7061	7086.6
	Dry Felt Roll Type **K**	16	504.8	2391	1		
	Dry Felt Roll Type **L**	8	504.8	2391	0	7061	7607
	Dry Felt Roll Type **J**, G & H	51	504.8	2364	2	7061	7417
	Driven Tension Paper Roll (Type P)	1	504.8	2413	0		7607
	Fabric Roll Short	3	500	1910	1	6860	7010
	Fabric Roll Standard	23	500	2000	1	7010	7510
	Fabric Roll Guide	3	500	1920	0	7010	7510
Size Press	Driven Tension Paper Roll (Type P)	1	504.8	2413	0	7061	7607
	Paper Turning Roll (ahead of size press)	1	471.5	2019	0	6756	7493
	Fixed Size press roll	1	1092	12568	1	6756	7849
	Moving Size press roll	1	1117.6	12976	1	6756	7849
	Spreader Roll (after size press)	1	292	1360	0		7100
Calender	Spreader Roll (ahead of calender)	1	292	1360	1	6700	7100
	Thermo Roll Top	1	1016	30200	1	6733	7830
	Kuster Roll Bottom	1	762	26427	2	6592	7518.4
	Driven Tension Paper Roll (Type P)	1	504.8	2413	0	7061	7607
Reel	Reel Drum	1	1219.2	12438	0	6604	7366
	Spreader Roll (reel handling)	1	403	2359	0	6604	7214
	Spools	10	606	3666	N/A	6833	7366
Winder	Drum 1	1	800	5892	0	6500	6800
	Drum 2	1	850	7566	0	6500	6800
	Spreader roll	1	210		2	6500	6820