1. APPLICATION

The Wet Lap Plant is designed to operate on Recycled Fiber Pulp.

The Twin Wire Press and the Cutter Lay Boy have been modified and a Heavy Duty Press (see separate manual) has been added to the system.

1.1 Technical Data (Design Data)

1.1.1 Raw Material

Recycled pulp consisting of:

MOW	35%
Rec. Book Stock – coated	30%
Rec. Carton Stock – heavy	10%
Rec. Book Stock Coated and uncoated	15%
Rec. Carton Stock – UV	10%

1.1.2 Pulp Specification

Production	160 ADST/D	200 ADST/D
Freeness	320 – 380 CSF	320 – 380 CSF
pH - value	9.5	9.5
Temperature	120°F	120°F
Ash content	1.3 – 3.5%	1.3 – 3.5%
Inlet consistency (to TWP)	4 – 5	4 – 5
Min. discharge consistency (from HDP)	50% BD	50% BD
Bale size	39.5" MD x 39.5" CMD x 37 – 47" H (unpressed)	39.5 – 47" MD x 47" CMD x 37 – 47" H (unpressed)
Design speed	120 ft/min	

1.1.3 Air consumption

TWP	
Wire tracking unit, wire tension unit, press nips, wedge adjustment and transfer plate	12 ft³/min, 90 PSIG
HDP	
Felt tracking unit	3ft³/min, 90 PSIG
CLB	
Fork cylinder	4ft³/min, 90 PSIG

1.1.4 Vacuum requirement HDP

Top felt conditioning	5.3 GPM at 200" H2O

1.1.5 Hydraulics

Operating pressure	3200 PSIG
Cooling water	5 ft³/h, 45 PSIG fresh water, max. 86°F

1.1.6 Water consumption

TWP:	
Shower for top and bottom wire-cleaning	2 x 25 GPM, 450 PSIG, clear filtrate or fresh
Headbox flush water	1 x 70 GPM, 30 PSIG, clear filtrate
HDP:	
Felt lubrication shower	2 x 14 GPM, 116 PSIG, fresh water
Felt cleaning shower	2 x 20 GPM, 435 PSIG, fresh water