

Acme Surplus Machinery Inc.

Quality Surplus Machinery for Pulp & Paper

5488 White Sands Cove • Lake Worth, FL 33467 • USA
Phone: 561.432.7768 • Fax: 561.537.8211 • Mobile: 215.801.9333
Email: froberts@acmesurplus.com

2.9 M (114") Writing, Printing and Coated Papers 90 – 160 TPD, 70 – 320 GSM Acme A098342

Paper Machine 2900mm



2900 mm deckle producing writing and printing papers, coated papers, gsm range 70 to 320. Machine is a basement design. Stock pumps are of Scann manufacture. The machine has produced 50 gsm in past years. Speed range 110 to 450 m/min. Production 90 to 160 ton/day. Drive on left side from the flowbox. Machine complete with stock prep, broke system and rewinder. Machine has Measurex 2002: controlling moisture, ash, grammage and color. Machine DC drive by Schneider is a modern sectional electric drive installed 1990.

Stock Prep

Black Clawson 14ft pulper batch operation, Volkes rotor with perforated screen plate all stainless steel and a V. rope drive. Virgin pulp used and fed from horizontal pulp bale conveyors. Pulping cycle time is 15 min.

Broke chest: stainless steel chest with side entry agitator.

Pulper dump chest: concrete chest with stainless side entry agitator.

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Three small concrete chests with stainless side entry agitators for stock storage.

Two primary disc refiners Allibe manufacture with 28" diameter discs and 370 kw motors driving via gearboxes. The refiners are located in a sound - proof cabinet.

Trim refiners consist of an Allimond GR3 conical refiner and a Voith disc refiner in fabricated stainless steel model 1F 2E year 1988.

Stainless steel chest with a capacity of 60 m³ complete with stainless side entry agitator.

Small stainless chest with top entry agitator for mixing clay.

Starch cooker of Amylam manufacture with stainless steel tank.
Heated stainless jacketed tank which is fed from the starch cooker.

Bran and Lubbe colorkitchen with mixers and colordosing stations.
Computer control on colour.

Edam Sud manufacturer back water fibre recovery by stainless conical tank with fibre settler at base.

Albany micro filter screen for fibre removal on water used for wire sprays.

Concrete machine chest with a stainless side entry agitator.

Starch silo capacity 150 m³, diameter 4.32m, height 14.10m weight when full 120,000 kgs, pressure at outlet 1 kn/m.

Cellier L.D cleaning system with four primary cleaners, stainless steel with ceramic liners, second and third stage with a total of two banks of 28 Celleco cleaners each, with polyethylene cones and final stage two Cellier cleaners with fibre savers fitted.
Machine pressure screen is a Lamort SP 800 with V rope drive. Basket has 0.40mm slots.

Wire section 1991 manufacture

Overhead twin rail crane with twin lifting units and max capacity 4000 kgs.

Allimond pressure flowbox, multi branch manifold, projection slice, edge deckles, two evenor rolls, internal shower, box stainless lined, edge construction stainless and front and rear of flowbox fabricated steel, 22 slice micro control adjusters computer controlled.

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Wire frame is run out design and is stainless clad, two shake motions located at the breast roll and the wire frame, centres between breast roll and suction couch are 15 m, centres 3900mm, wire width 3300mm.

Forming box stainless with polyethylene top and foils, two foil unit's stainless steel with polyethylene foils, two vacuum assisted foil unit's stainless steel with polyethylene foils. Foil widths are 3200mm, table roll, positioned between foil boxes.

Stainless vacuum box.

Dandy stainless steel 1220mm diameter with shower and equipped with an individual drive. Dandy has a shower tray stainless steel manufacture in the machine hall for dandy cleaning.

Five stainless suction boxes with polyethylene covers.

Suction couch roll on A/F bearings, cantilevered design and rubber covered. Sheet transfer by blow box in the suction couch.

Press sections year 1961

First press suction press with pneumatic loading, rolls on A/F bearings, auto felt guide and auto felt tensioning. Rope feed to second press. Max load 35 kg/nm.

Second press plain press with pneumatic loading, A/F bearings, auto edge guide and auto felt tensioning. Rope feed to third press. Maximum load 60 kg/nm.

Third press top Kuster roll, pneumatic loading, A/F bearings, auto edge guide. Rope feed to the marking press. Maximum load 100kg/nm.

Marking press section with twin set of rolls on one central frame. The press has pneumatic loading. Rolls are on A/F bearings. Rope feed to dryer section.

Pre drying section

The drying section of 1961 manufacture, has six sections in the pre dryers. The bearings on the cylinders and the felt rolls are A/F bearings, cylinder ends are bolted, all felt rolls are manually greased, the front dryer bearings have manual oil feed and the rear dryer bearings are on a central recirculation oil feed system. The dryers sections in total have enclosed gearing and each section has the first two dryers driven from the sectional electric drive with the remaining cylinders felt driven. The cylinders have stationary syphons and the rotary joints are Johnston. Dryer working pressure is maximum 3 bars

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(43.5psi). Machine has a totally enclosed hood by Brunnschweiler of 1991 manufacture. Cascade steam system.

Pre dryer section comprises of a total of 16 drying cylinders, 1250mm diameter, face 3200mm, face with rope rings 3330 mm and the first dryers are doctored. Auto felt guides are of Heuber manufacture and felt tension is set manually.

Measurex scanner 2002

Coater/Size press

S and H coater, year 1998, stainless steel frame, rolls on A/F bearings, pneumatic operation. Rope feed to the second dryer section. Applying a maximum of 25 gsm coating. Design speed 1000 m/min. Suitable for size application.

Kreiger infra red gas fired dryers with stainless frames.

After dryers

First cylinder in the section is Teflon coated. There are ten cylinders in the second section.

Specification as the first dryer section. This section has a single drive from the sectional electric drive..

Measurex 2002 scanner controlling moisture, gsm, ash, profile and coloron both sides of the sheet.

Hunt and Moscrop tandem soft nip calendar, year 1989, with heated rolls, each side of the calendar with one plain roll and one Kuster roll, Heating unit in basement for heating rolls. A/F bearings and pneumatic loading on the rolls. Rope feed to the reel up. Auto rope tensioning for tail feed up which has pneumatic cylinder loading at each side of the scanner frame. Roll heating unit located in the basement with hydraulic power pack for rolls.

XZ Tape transfer system for reel changes.

Allimond horizontal reel up year 2000 with tambour storage above reel up, reel shell capacity five reel shells, pneumatic loading, reel arrester when reel shell in use, roll diameter 1500mm, centres 3900mm, drum 3400mm face. Hydraulic operation with power pack in machine basement.

Vacuum system in machine basement with a total of six vacuum pumps.

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Machine drive installed powers are:

Awaiting data

Machine spare rolls are:

Awaiting data

Overhead twin rail crane for reel removal and transfer to rewinder Maximum lifting capacity 9400 kgs.

Rewinder

Ahlstrom rewinder, year 1987, model BRP3B, weight 15,000kgs, speed 1500 m/min, manufacture number WS 20 5163.

Tambour unwind with hydraulic water cooled brakes, roll diameter 1500mm.

Auto tension control, 11 slitters with the top slitters motor driven, manual setting on knives.

Twin motor drives each 103 kw maximum, drives on left side from the unwind, shaftless rewind, roll diameter on rewind 1525mm, reel ejection and lowering table.

Trim removal to baler Sacnic manufacture. Hydraulic operation. Baler feeds bales via conveyor to the broke pulper.

Reel stopper then reel onto conveyor with in - line scales.

Roll wrapper

Option of reel lift to upper level or in - line feed to a Trancel roll wrapper 1987 manufacture, shrink wrap wrapping. Roll lowering section from roll wrapper and upper roll conveyor.

Broke system

Lamort stainless steel pulper with Helical rotor, V belt drive. Can be fed sheets manually via flat conveyor and also has the option of a conveyor system with in - line reel splitter, Tahran manufacture, hydraulic operation feeding into the broke pulper.

Broke cleaning system comprises Voith HD cleaner, stainless steel with top mounted impellor to assist in any consistency fluctuations. Junk trap with manual valves.

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Voith deflaker model 1E with TEFC motor. The system feeds the stainless tank located next to the BCI pulper.

Finishing equipment Optional

Two sheeters:

Passaban model KSF/86 LP 1600, year 1988, design width of the machine 1420mm, speed maximum 220 m/min, reel diameter if four reels used 1300mm, core size 120mm, sheet length 400mm to 1600mm, sheet width 400 to 1420mm.

60 to 350 gsm, knife load, synchro cutting, three slitters, reel loading by crane into shaftless chucks, auto tension control on the unwind. Overlap section with reject gate, counter and tab insertors. Walkway on right of machine from unwinds.

Jagenberg Convo 16 sheeter, number 30.61920, year 1973, 1600mm width, gsm 50 to 370, 4 roll shaftless unwind with reel loading by crane, speed 250 m/min, sheet length 600 to 2000 mm, dead knife cut, four slitters, overlap section with reject gate, chain pile layboy 1800mm height with pallet, complete with counter and tabers.



S and H coater



Horizontal reel up



Tandem soft nip calender

The owners of the paper machine will not allow competitive grades to be made on the machine.

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