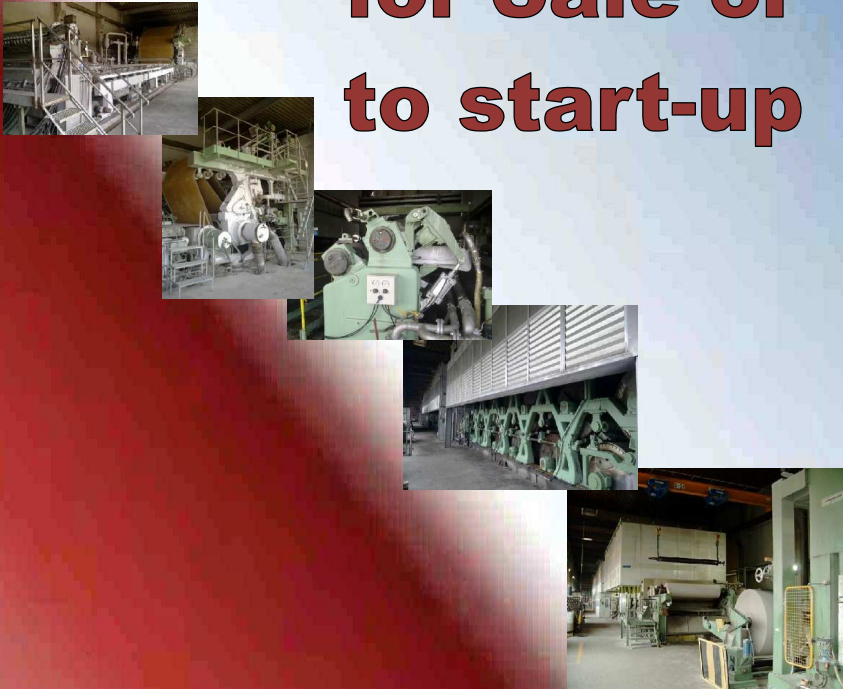


# Equipment for Sale or to start-up



Paper mill Ph. Heil Söhne GmbH & Co. KG  
Darmstadt, Germany  
[www.heilpapier.de](http://www.heilpapier.de)

## I Procedures and Conditions for the Sale of Equipment

Following the sale of a significant part of the equipment, the Administrator will apply the following procedures and conditions with regard to the sale of the remaining lots.

### Scope of Equipment and Machinery for Sale

In this phase interested parties are invited to make offers for the Equipment and Machinery still available as listed below. The lots defined include only the spares specifically related to the Equipment and Machines, as available at the mill site. Not included in the lots are vehicles (including forklifts, etc.), tools and equipment of the maintenance shops as well as standard replacement parts. For such parts please refer to the section "single components".

A valid offer can include the Equipment and Machinery of one or more of the following lots still available as described below:

- Lot A Paper Machine 3 (inc. Stock Preparation and Winder)**
- Lot B Steam Generation and Processing**
- Lot C Compressor Plant**

### Plant Tours

Plant tours for the Equipment and Machinery still available can be arranged upon request. Please contact one of the individuals listed in the next chapter for an appointment. Please allow adequate planning time.

Please note that the plant has been idle since November 2008. The machines and equipment have been protected against corrosion. Machines cannot be put in operation during the plant tours.

### Dismantling

Unless otherwise specified in the sales contract, it is the responsibility of the Buyer to dismantle and remove the Equipment and Machinery using his own employees, contractors and agents and using his own tools and equipment. The Buyer may use the existing overhead cranes, as they are available and suited for such tasks.

Dismantling works may start as mutually agreed with the Administrator after full payment of the Purchase Price. It would be welcomed if all Equipment and Machinery is dismantled and shipped before winter 2009.

### Warranties and Representations:

All Equipment and Machinery will be sold as is. In accordance with the legal code and court rulings the Seller will waive in the Purchase Agreement all warranties and representations.

Offering Price („Purchase Price“):

The offering Price is understood as net Purchase Price (excluding the German VAT, currently at 19%). It has to be indicated and paid in Euros (€). Unless otherwise specified in the sales contract, all costs in connection with the dismantling, packing and transport as well as insurance costs will at the Buyer's expense.

Payment of Purchase Price

- 20 % Down payment to be paid at signing of the contract; this portion will not be returned in case of withdrawal from contract by Buyer.
- 80 % this amount is to be secured from the date of signing the Purchase Agreement by a first class Bank Guarantee issued by a major Swiss bank or by an irrevocable Letter of Credit drawn on a major German bank.

Submitting an Offer:

Any offer submitted has to be valid and binding for a period of a minimum of 2 months and which must be based on the proposed Purchase Contract, has to be submitted to the Administrator in writing to Papierfabrik Ph. Heil Söhne GmbH & Co. KG, Pfungstädter Straße 170, D-64297 Darmstadt Germany.

(Fax No. +49 6151 39693 – 26)

In case that the offer includes more than one lot, please indicate the offer prices individually for the lots of interest, if the buyer would also consider a purchase of selected lots only.

Proof of Funding

The offer has to be complemented by a “proof of funding” issued by a major international or European bank. The Bank indicates that it is confident that the Offering Price can be paid by the Buyer and that the Bank is confident to issue a Bank Guarantee or a Letter of Credit for the 80% portion of the Purchase Price as defined above.

Next Steps:

A frame of the proposed Purchase Contract is available to those parties that express seriously their interest in pursuing further a purchase of all or parts of Equipment and Machinery still available.

Those interested parties that have submitted an offer considered by the Administrator as 'good' will be invited to formal negotiations. The Administrator reserves the right to decide at its own discretion, which offers are considered as 'good' and he is not obliged to justify his decision.

Negotiations may be conducted on a first come first served basis. The Administrator reserves the right to sign and close a transaction at any time.

**II Contacts and Information****For questions and for arranging plant tours please contact:**

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**Please submit your offer to the Administrator only:**

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### III Index

<a href="#">I Procedures and Conditions for the Sale of Equipment</a> .....	I
<a href="#">II Contacts and Information</a> .....	III
<a href="#">III Index</a> .....	IV
<b>1 TECHNICAL SPECIFICATIONS OF PAPER MACHINE ( Lot A )</b> .....	1
<b>1.1 MACHINE DATA</b> .....	2
<b>1.2 Stock Preparation (rebuild 2006 and 2008)</b> .....	3
<b>1.3 Approach Flow System</b> .....	4
<b>1.4 Headbox (new 2006)</b> .....	5
<b>1.5 Wire Section (rebuild 2006 and 2008)</b> .....	5
<b>1.6 Press section (rebuild 2008)</b> .....	6
<b>1.7 Dryer Section (rebuild 2006)</b> .....	6
<b>1.8 Size Press</b> .....	7
<b>1.9 Pope Reel</b> .....	7
<b>1.10 Drive</b> .....	7
<b>1.10.1 Mechanical drive:</b> .....	7
<b>1.10.2 Electrical drive (new 2006)</b> .....	7
<b>1.11 Vacuum System</b> .....	8
<b>1.12 Steam and Condensate System</b> .....	8
<b>1.13 Hood and Ventilation System (new 2006)</b> .....	8
<b>1.14 Process Control System</b> .....	8
<b>1.15 Water Treatment</b> .....	9
<b>1.16 Machine Hall Cranes</b> .....	9
<b>1.17 Spare Parts</b> .....	9
<b>1.18 Photos Stock Preparation</b> .....	10
<b>1.19 Photos Machine</b> .....	12
<b>2 Rewinder ( Lot A )</b> .....	15
<b>2.1 Photos</b> .....	16
<b>3 Steam Generation and Processing ( Lot B )</b> .....	17
<b>3.1 Steam Production Boiler</b> .....	17
<b>3.2 Steam Processing</b> .....	17
<b>4 Compressor Plant ( Lot C )</b> .....	18
<b>4.1 Compressor</b> .....	18
<b>4.2 Air Pressure Dryer</b> .....	18
<b>4.3 Adsorption dryers air</b> .....	18
<b>4.4 Compressed air tank No. A</b> .....	19
<b>4.5 Compressed air tank No. B</b> .....	19
<b>4.6 Photos</b> .....	19

November 2009

## 1 TECHNICAL SPECIFICATIONS OF PAPER MACHINE ( Lot A )

Manufacturer: Over Meccanica  
 Year of Manufacture: 1965 built and erected in Italy  
 Year of rebuilds in Darmstadt : 1986/ 1990 / 2001 / 2004 / 2006 /2008

### Rebuilds

- New 3 stage cascade pressure screens on PM
- New quality control system (QCS)
- New cleaner for pulper
- New traversing felt high pressure cleaner
- Rebuild size press to film press (Wolff)
- New headbox (PAMA)
- New combisorter, stock preparation last stage screen
- New suction roll and breast roll for fourdrinier
- New wire drive roll
- New wire rolls with new guide and tension regulation
- New felt rolls in the drying section with new tension regulation and oscillating blades.
- Extension of the post drying section by two cylinders
- New dewatering elements
- New drives (single drive system)
- New hood with heat recovery and pocket ventilation
- New rope tension

PM Rebuild in last year of operation, 2008 included:

- Rebuild of the press section
- New beam, rolls, tensions and controls
- New ceramic uhle boxes for the press felts
- New DC converters and new controllers for the rewinder and a new turn-up system at the pope reel

## 1.1 MACHINE DATA

Working width untrimmed at PM reel:	2'800 mm
Normal trimmed width:	2'600 mm
Design speed:	700 m / min
Max. operating speed:	520 m / min
Basis weight range:	50 - 300 gsm
Main paper grades produced:	fluting, corrugated medium
Other specialty products produced:	blue packing paper for fruit, masking paper, lining paper, crepe paper, incombustible paper.

Drive side                      Machine has a left hand drive when looking in the direction of paper flow.

Specific water consumption	approx. 1 m <sup>3</sup> /t
Specific steam consumption	approx. 1.5 t steam/t of paper
Specific electric consumption	approx 420 kW/h of 1t paper
Main electrical data for motors	400Volt, 50 Hz

## 1.2 Stock Preparation (rebuild 2006 and 2008)

Process control system by ANDRITZ with Software" Wonderware" and Siemens S7 control system.

Pulper, VOITH, AP 20 with reject gate with Consistency (density) measurement Type MEK 2000 Year 2007, BTG

Year 1972; motor 160 kW / 400 Volt

Reject Pump with reject trap, Year 1995

Screening drum

CPM , Year 1995, drum diameter 1000mm x 2000mm

Detrasher, LAMORT, Type Poire

Year 2001

High consistency cleaner, ANDRITZ-FIEDLER, Type MC3200

Year 2001, rebuilt 2008 with high consistent ceramic cleaner

Turboseparator, VOITH, Type ATS 21, motor 160 kW/400 Volt including pump system

Combisorter, VOITH, Typ CSM

Year 2006, motor 75 kW/ 400 Volt

Spare parts: 1 basket (2 share)

High consistency cleaner, LOHSE

Year 2006, in ceramic

Primary screen, ANDRITZ, Type F3, basket with slots 0,35 mm

Year 2001, including pump system and chest 8 cubic meters in stainless steel

Spare parts: 1 basket and seal

Secondary screen, ANDRITZ, Type F2, basket with slots 0,35 mm

Year 2001, including pump system and chest 4 cubic meters in stainless steel

Spare parts: 1 seal

Tertiary screen 3, ANDRITZ, Type F1, basket with slots 0,25 mm

Year 2001, including pump system

Spare parts: 1 basket and seal

Low consistency stage cleaner plant, ANDRITZ

Year 2001

### 1.3 Approach Flow System

Machine chest 25 cubic meters

Fan pump No. 1, frequency-controlled

Year 2006, ANDRITZ

7 Cleaner, in two cascades

Fan pump No. 2 frequency-controlled

Year 2006, ANDRITZ

Screen, LAMORT, Type SP800, basket with 2 mm holes

Year 2006, spare parts: 1 basket and 1 rotor

Consistency (density) measurement Type MEK 2300

Year 2007, BTG

### 1.4 Headbox ( new 2006)

Manufactured by PAMA, hydraulic high turbulence head box with 4 row diffuser block. BTF-Octopus with manual regulation of the CD profile by dilution water.

Pond width: 2800 mm

### 1.5 Wire Section (rebuild 2006 and 2008)

Wire length: 31 metres

Wire width: 2900 mm

Breast roll 507mm diameter, 3000mm face length, rubber covered

Forming Board in ceramic

6 foil boxes

3 foil boxes including separate fan 1'472 m<sup>3</sup>/h, year 2006

2 dry suction boxes with hard plastic cover, year 2006

2 dry suction boxes with ceramic cover, year 2006

Suction couch roll, PAMA , 810 mm diameter, 3180 mm face length, year 2006

Forward drive roll , PAMA 550 mm diameter, year 2006

Wire guide and wire stretch rolls 3000mm face length, rubber covered

High pressure showers, Stamm Heinrich , year 2006

Steambox ,Langbein& Engelbracht, year 2006

Wire stretcher, Erhard & Leimer, year 2006

### 1.6 Press section (rebuild 2008)

Pick-up roll, 960 mm diameter, PU covered with 3 suction zones, grooved and blind drilled. Perforated length: 2750 mm, PAMA, year 2006

Counter press roll is a central press roll, 1005 mm diameter; 2900 mm face length, green granite cover.

Pick up 960 mm diameter, 2900 mm faces length, green granite covered blind drilled and grooved.

First Nip Press roll, 570 mm diameter, 2900 mm faces length, PU covered and drilled. Nip pressure Nip: 60 kN / m (first Press roll to Pick up roll)

2nd Nip pressure Nip: 60 kN/m ( Pick up roll to Counter Roll )

3rd Nip Press roll, 570 mm diameter, 2900 mm faces length, PU covered and drilled. Nip pressure at 3rd Nip: 120 kN / m ( 3 rd Press roll to Central roll )

### 1.7 Dryer Section (rebuild 2006)

28 Pre-drying cylinders, 1500 mm diameter 2900 mm face length,

First group slalom 8 cylinders, at cylinder No. 6 is a sticky roll

Second group with upper and lower wire 6 cylinder

Third group with upper and lower wire 6 cylinder

Fourth group with upper and lower wire 8 cylinder

12 Post drying cylinders, 1500 mm diameter x 2900 mm face length,

Fifth group with upper and lower wire 4 cylinders including 2 chrome coated

Sixth group with upper and lower wire 8 cylinders

### The complete Dryer Section has :

Electric tensions and pneumatic regulations by Erhard und Leimer

Partially cylinders have oscillating blades.

All cylinders are designed for an operating steam pressure of 5 bar

All cylinders have Type Johnson steam heads.

Wire rolls, regulation, tension, PAMA Year 2006

Rope rolls and pneumatic tension, PAMA Year 2006

### 1.8 Size Press

Horizontal size press with vertical paper feed manufactured by Wolff to single film press .

Both rolls have 540 mm diameter and 2800 mm face length

Linear pressure: 40 kN

Starch addition 3 gsm at max.10 % consistency

The starch processing plant was manufactured by CELLIER and is included in the PM lot.

### 1.9 Pope Reel

The Pope reel has a pneumatic control system. Reel drum, 800 mm diameter and is equipped with IBS RC 230Turn-up system, Year 2007

Max. wind diameter for pope reel is 2000 mm. For operational reasons, max. re-wind diameter is 1800 mm

### 1.10 Drive

#### 1.10.1 Mechanical drive:

Wire and press sections with PIV gearboxes, cardan shafts

Dryer section with open gear drive, drive via cylinders

#### 1.10.2 Electrical drive: ( New 2006 )

All the motors and inverter drive (AC 400 Volt) are designed for a speed of 700 m/min was supplied by Kühne & Vogel. Type Siemens S7 with control panels.

### 1.11 Vacuum System

No.1 Vacuum Pump, SAFEM Type AL 20-22 ,No.1793; motor 90kW

No.2 Vacuum Pump, AZWEG Type POMPA A65, motor 90 kW

No.3 Vacuum Pump, AZWEG Type POMPA A65, motor 90 kW

No.4 Vacuum Pump, AZWEG Type POMPA A65, motor 90 kW

No.5 Vacuum Pump, AZWEG Type POMPA A100, motor 200 kW

### 1.12 Steam and Condensate System

Cascade type, flow sheet for this system is available

4 cascade system with moisture control in machine direction

Rotating Siphon in all cylinders

### 1.13 Hood and Ventilation System (new 2006)

Completely enclosed hood was supplied by LANGBEIN & ENGELBRACHT, Germany.

The heat recovery system with heat exchangers, fans etc. are available. The heat energy from the system is used for pocket ventilation. The doors have an electrical opening system. The heat recovery with heat exchangers and fan are part of the machine. Stabilisation system in slalom group

Dew point 62°C, Dew point regulation ,air temperature 110°C

### 1.14 Process Control System

QCS Scanner, Manufacturer PROTAGON (MEASUREX),

Measurement of basis weight and moisture in machine and cross-direction, with

Regulation in machine direction .

### 1.15 Water Treatment

Krofta, 250m<sup>3</sup>/h SPC 24 ,diameter 7'200 mm

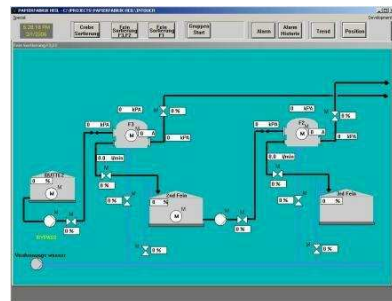
### 1.16 Machine Hall Cranes

Machine hall cranes can be used to disassemble the machine, but is still part of the building hall and is not for sale.

### 1.17 Spare Parts

There are a number of spare parts available with the machine. Upon request a separate list with major spare parts can be made available.

### 1.18 Photos Stock Preparation



### 1.19 Photos Machine





## 2 Rewinder ( Lot A)



### APROCART (rebuild 2008)

#### MACHINE DATA

Manufacturer:	Aprocart
Year built:	1992
Rebuilds:	2001, 2008
Working Width:	2'600 mm
Speed:	2'000 m/min
Max rewind diameter:	1'830 mm
Max. unwind diameter:	2'000 mm
Basis weight range:	40-300 gsm
Main electrical data:	400 V, 50 Hz.

#### Consists of:

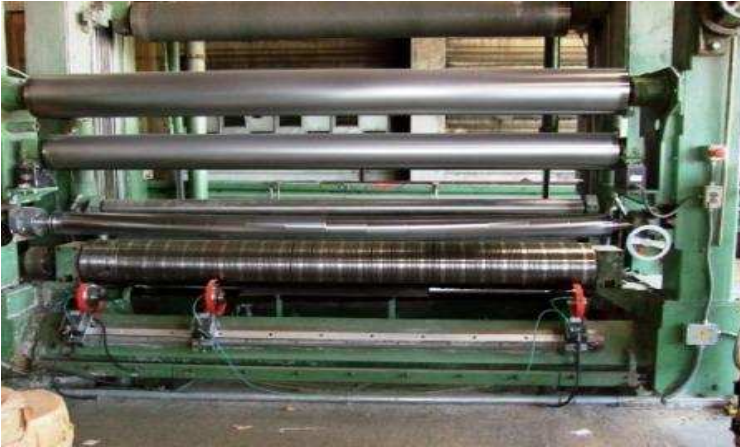
Reel pool back stand with 3 fold pneumatic braking shoes on drum.

No. of slitting knives: 3 pairs and 9 pairs of spare parts.

Two single motor DC drive, motors 85kW

Warp control system Siemens S7 with touch panel.

## 2.1 Photos



## 3 Steam Generation and Processing ( Lot B )

### 3.1 Steam Production Boiler

Manufacturer:	Storck
Product type:	2 flash tubes and 3 deduction tubes Including ECO and Superheater
Permissible operating overpressure :	22 bar
Steam power :	20 to/h
Permissible forward steam temperature:	300°C
Heat output:	18,4 MW
Fuel:	OIL / GAS
Manufacturer of the burner:	Storck

### 3.2 Steam Processing

Steam motor, Spilling, 6-Cyl., 1MW, 22-3 bar, No. 3225

Manufacturer:	Spilling
Product type:	6 cylinders
IN Steam pressure :	21 bar
OUT Steam pressure	3 bar
Generator power 1MW	
Max power	900 kW
Normal power	680 kW



## 4 Compressor Plant ( Lot C )

### 4.1 Compressor

pieces of identical piston compressors

Manufacturer:	Mahle
Product type:	piston compressor
Max. final pressure:	15 bar
Free air delivery:	50l/s
Motor power:	22 kW/ 380 Volt
Year of manufacture	1969

### 4.2 Air Pressure Dryer (new 2006)

Manufacturer:	Atlas Copco
Product type:	FX 13
Normal / max. operating pressure:	13 bar / 29,8bar
Max. air Inlet temperature/ humidity:	35C° / 55%
Ambient air temperature:	25 C°
Refrigerant CHF2Cl:	R404a
Refrigerant compressor rating	230 Volt
Year of manufacture	2005

### 4.3 Adsorption dryers air (new 2006)

Manufacturer:	Atlas Copco
Product type:	CD 64
Normal operating pressure:	13 bar
Max air Inlet temperature/ humidity:	35/55C°
Ambient air temperature:	25 C°
Refrigerant CHF2Cl:	R404a
Refrigerant compressor rating:	230 Volt
Year of manufacture	2005

### 4.4 Compressed air tank No. A (new 2006)

Manufacturer:	Atlas Copco
Product type:	No.77543
Operating positive pressure:	11 bar
Max air Inlet temperature/ humidity:	10/50C°
Max operating temperature:	50 C°
Volume :	2'000 l/s
Year of manufacture	2005

### 4.5 Compressed air tank No. B (new 2006)

Manufacturer:	Atlas Copco
Product type:	No.77919
Operating positive pressure:	11 bar
Max air Inlet temperature/ humidity:	10/50C°
Max operating temperature:	50 C°
Volume :	1'000 l/s
Year of manufacture	2006

### 4.6 Photos



Compressor



Compressor air tanks and dryer