



PRESS SECTION

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PAPER MACHINERY

GENERAL INFORMATION:

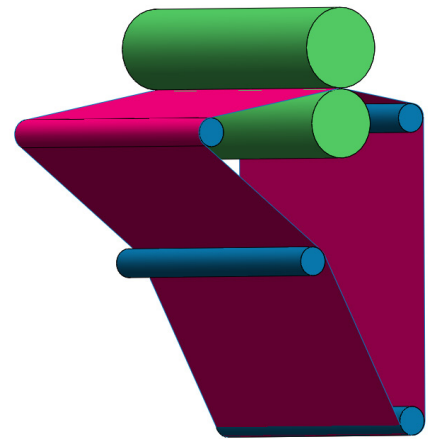
- Operation speed up to 1.200 m/min
- Operation paper width up to 6.000 mm
- Pressure up to 150 kN/m
- Single-felted, double-felted, double-felted with a suction roll

Uni Press

This press type covers an extremely wide grade and speed range as well as a range of nip conditions.

Used on virtually all grades

Variations in this type of press include inverted and reversed 2nd press (fabrics on the top side of the sheet)





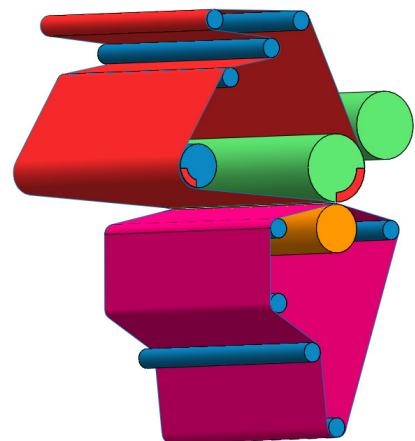
BiNip/Combi Press

The BiNip press in all its variants is used to produce both fine paper and packaging grades, and for fine paper can be combined with a single-felted third press, while on packaging machine third press can be double-felted.

Bi-Nip Press is designed to maximise water removal, efficiently transferring the web from the forming section to the dry part and increasing the quality of the paper.

Double-felted first press :

- prevents crushing and allows higher loads
- Increases efficiencies and less paper breaks
- Improves product quality in terms of strength and surface properties
- Reduces steam usage
- Increases Production with quality



TriNip Press

This type of press can be used both in the manufacture of low weight newsprint and packaging grade.

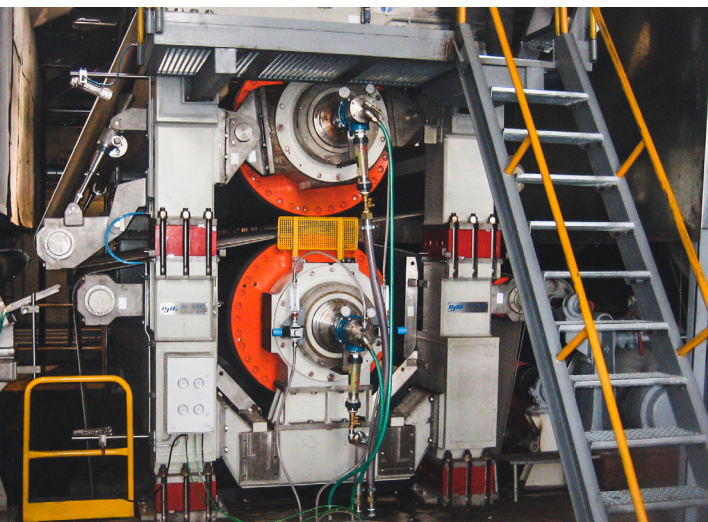
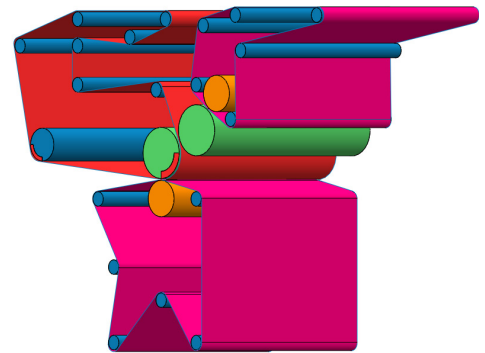
The trinip is a press with three contact points provides constant support of the sheet taken from the felt through the first three nips, eliminating free draw forces. The paper remains always in contact with one roll, so the in the press section are not required additional guide roll, reducing the press section dimension.

A dry and strong sheet at the exit of the trinip helps to reduce the risk of breakage and to increase the runnability. Moreover Trinip can work at very high speeds.

The double-felted first nip allows for higher press loads without crush. Trinip can be provided with a fourth press which reduces the different sheet smoothness from the two sides of the paper.

Main advantages:

- elimination of re-wetting
- increasing content of dryness after the press part
- paper guiding without free draw forces
- shortened paper track in presses
- shortened press part length
- Increasing of efficiency and runnability of the machine



Jumbo Press

NIP width 60 – 75 mm

Pressure up to 350 kN/m single or double-felted

Most suitable for kraft, liner, writing & printing or speciality paper because of efficient water removal, the jumbo press is an extended Nip press, that can bring great advantages to the paper production:

- Wide variability of cylinder diameters from Ø1000 to Ø1800
- High pressure pulses
- High production increasing (About 5% for each dry point gained)
- Cantilever execution for easy felt replacement
- Electronic management of all operating parameters.
- Integration with electronic systems of tensioning and felt management
- Supervision and remote assistance

Size Press

The aim of the size press is to apply a solution of starch, glue or color to the dry surface of the paper. This operation improves the mechanical characteristics and printing features of the sheet. Other benefits can be the reduced tendency to get dirty, augmented paper strength and reduced permeability to air.

The impregnation of the sheet can take place on two sides or on only one. A series of jets with an adjustable flow creates a sump between the two cylinders of the press and the edge sealings with a uniform concentration of the additive to be added.

The machine is designed for automatic working management. The web coming from the pre-dryer section is guided by paper guide rolls through the size press. Subsequently, while the cylinders rotate in synchronism of speed with the machine, the operator controls the closing down of the press.

The opening of the nozzle is automatic when the appropriate photoelectric sensors indicate the presence of a full size web in the machine.



The approach of the cylinders is very fast, whilst the definite closure is slow; this to avoid paper breakes.

The operator sets up the work pressure on the NIP and the PLC runs all the sequences, the hydraulic unit and its pumps in accordance with the safety procedures

