

FOURDRINIER (WIRE PART)

Fourdrinier is a highly efficient *wire part* with a plain couch roll.

The paper machine has a continuous forming wire moving at high speed. When it leaves the headbox, the furnish is only about 1% fibre and 99% water. The furnish is now rapidly dewatered along the length of the moving wire.

The fibres begin to bond and a mat is formed. The mat remains on the surface of the wire, while water continues to be removed from both sides as the furnish is sandwiched between the top and bottom wires. It is in this way that a sheet of paper is formed. From the wire, where the sheet is now about 80% water, the new paper web passes into the press section.



Salient Features:

- High efficiency wire part with Plain Couch roll.
- Cantilever arrangement on framing for quick wire change.
- All parts contact with stock or water are made of stainless steel and corrosion resistant materials.
- Drainage elements designed as per the Machine speed, Stock freeness and other properties.
- Consists of a broad family of drainage elements to improve sheet formation.
- MS fabricated frame with S.S. cladding.
- Auto or manual Wire guiding arrangement.

Advantages :

- Good sheet formation.
- High-speed production and high-quality formation.
- Increased dewatering and improved sheet strength properties allow maximum use of recycled fiber to meet increasing environmental demands.
- Low operation cost and easy operation.
- High yield and low power consumption.
- Long-life wire and felt.
- Space-saving installation.

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