



Innovation meets energy savings

NipcoFlex T

In 1999, Voith pioneered in launching the shoe press technology for tissue machines and has constantly developed the successful concept further.

NipcoFlex T supports our customers in saving natural resources while considerably reducing their energy costs. Moreover, this shoe press excels in reducing production costs and thus improving the papermaker's market position.

Major energy savings

With NipcoFlex T, up to 5% higher dryness can be achieved compared to a configuration of suction roll pressed against the Yankee or earlier generations of shoe presses. All this is possible without compromising paper quality. In addition, a production increase of 20% or thermal energy savings of up to 20% are feasible due to the higher after-press dryness.

The high flexibility of the shoe allows tracing the Yankee deflections very precisely and results in a more uniform cross directional dryness profile. Switching between bulk and dryness mode and vice versa is possible during production, therefore increasing the machine's efficiency.

Main benefits NipcoFlex T

- **Up to 5% higher dryness after press**
 - **Up to 20% higher production capacity**
 - **Up to 20% savings in Yankee steam and hood gas consumption**
 - **Up to 30% less coating chemistry needed**
 - **Return on investment of less than three years (depending on local energy costs)**
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Main features

Simple construction

The NipcoFlex T shoe press uses two pressure cushions as a pressing device below the shoe. Very narrow sliding elements ensure the transmission of hydraulic pressure to the metal pressure shoe.

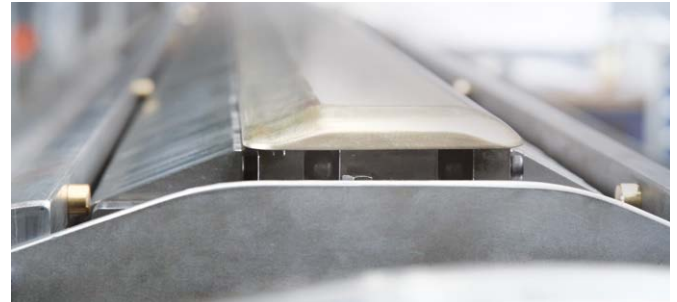
Simple operation

The mentioned pressure cushions can be pressurized independently of each other whereby the pressure gradients in the press nip can be changed easily. The ultrathin, flexible metal shoe follows precisely the Yankee CD contour resulting in very uniform dryness profiles. Due to the strong pressure drop on the end of the metal shoe in machine direction, rewetting is automatically avoided.

Simpler auxiliary equipment

As the complete device works in low-pressure mode, only a hydraulic unit with one low-pressure pump is necessary for applying the load and the lubrication to the roll sleeve.

NipcoFlex T



NipcoFlex T – 44 successful references worldwide

North America: 6 References

1 New machine
5 Rebuilds

Europe, Middle East & Africa: 12 References

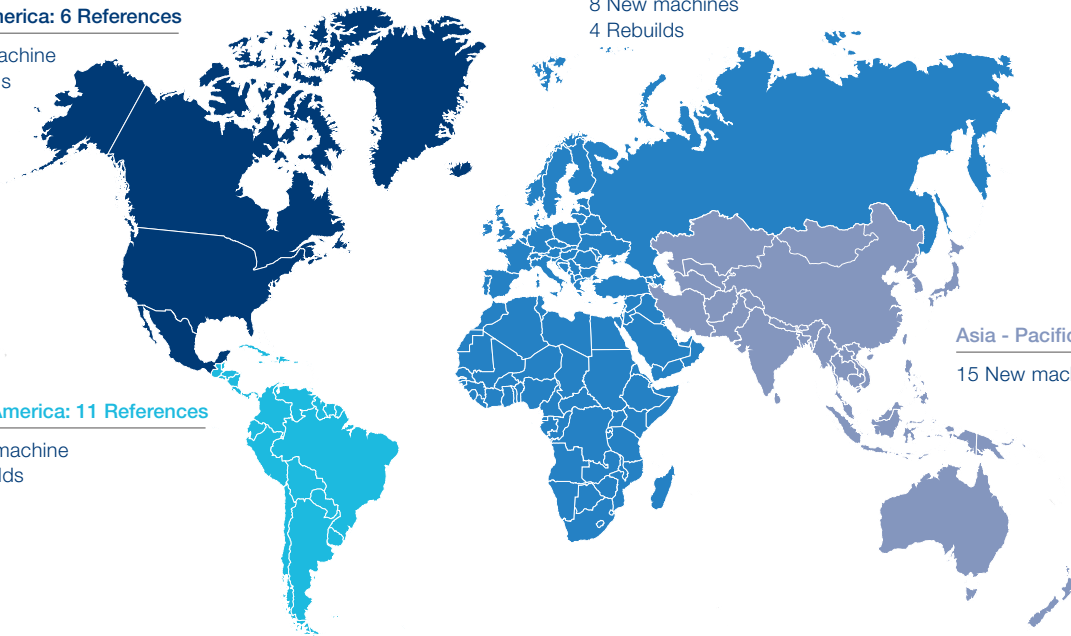
8 New machines
4 Rebuilds

Asia - Pacific: 15 References

15 New machines

South America: 11 References

7 New machine
4 Rebuilds



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