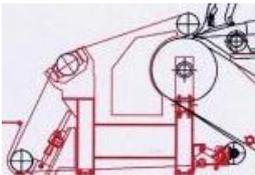


Crescent 123™

Crescent 123™ combines

- limited final thickness for dewatering efficiency in relation with short dwell times;
- with extremely dense surface (15 CFM maxi):
 - to increase dewatering at the forming stage;
 - to limit rewetting when leaving the pressing stage;
- Good compressibility to balance uneven CMD efforts at the pressing stage;
- Excellent internal capacity for high and fast water flows to be handled with an open base and decitex coarse enough to allow these flows and preserve the compressibility during the felt life.



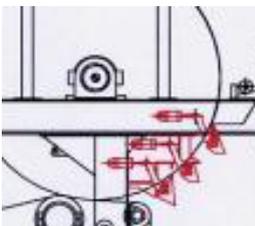
1 Ultra-high density for limited final thickness and fast dewatering.

Huge amounts of free water & high flow to handle per second are key points for machine dewatering efficiency. The forming fabric must have a good retention (to create an even and non-hairy surface) and a high dewatering capacity. The felt must have a very dense surface to accelerate dewatering through the forming fabric, helping the centrifugal effect.



2 Compression controlled batt to balance uneven CMD efforts at the pressing stage with excellent internal capacity for high and fast water flows handling.

Water is generally easy to express (low SR), but rewetting and CMD profile are critical for the machine efficiency. The felt must have enough compressibility to compensate CMD variations due to CMD crown precision and linear pressure. The felt must have an anti-rewetting surface to avoid rewetting of the paper sheet after the peak pressure and before being out of the nip.



3 Extremely dense surface to accelerate dewatering through the forming fabric (helping the centrifugal effect) and limits rewetting when leaving the pressing stage.

No direct contact PMC at this stage, but a direct consequence of the quality of the job done at the forming stage. An even and non-hairy surface allows a precise action of the creping blade directly in the coating layer. An even and non-hairy surface + a precise creping generate a paper surface of high quality.

Crescent 123™ is dedicated to high speed Crescent Former tissue machines.