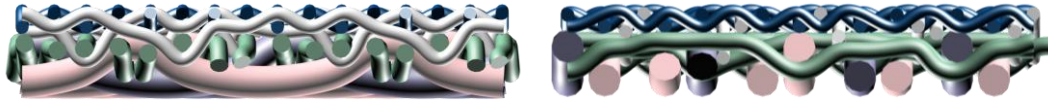
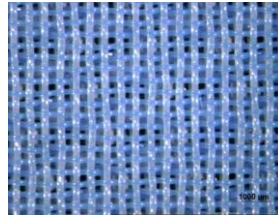


## TissueFlyer™



**TissueFlyer™** is the new, advanced evolution of the SSB concept, developed by the Cristini Research team. The double binding (specific to Cristini SSB technology) allows an excellent dimensional stability, even with 2 highly differentiated layers, each one of them focused on their specific duties.

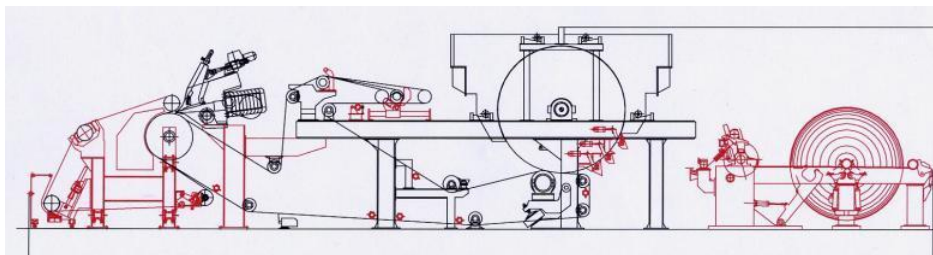


The surface of **TissueFlyer™** offers the best "one to one" fabric effect, for the best possible sheet planarity, FSI sheet retention and formation & dewatering capacity: these qualities have a direct effect on the paper surface obtained for an highly efficiency of the doctor blade working in the coating layer. The binding of two longitudinal yarns and the gap of six produce the highest cross stiffness known today in the SSB approach, resulting in the best maintenance of paper sheet profiles for the entire life span of the fabric. Additionally, this double longitudinal binding yarn considerably limits the stretching of the fabric under operating tension, to about 30% less than standard SSBs.

**TissueFlyer™** fabric has a naturally very small inner void volume, thus a natural and easy dewatering capability, very important on high speed machines. The compact design guarantees the maximum planarity and the absence of water and fibres carrying. The open structure allows a controlled drainage, while the long floating yarn on the roll side ensures high potential life. This characteristic translates to excellent dewatering capacity, with no water dragging issues, while the high surface FSI increases retention, resulting in a better coating of the paper sheet.

The **TissueFlyer™** technology allows a perfect tuning in respect of tissue production specific needs:

- An excellent retention, due to a thin surface, with numerous holes of small diameter, thus high support index;
- A high dewatering capacity in relation with an open back layer allowing important water flow handling,
- The thinness of the **TissueFlyer™** fabric increases all Venturi's effects in relation with high speed.



In the case of crescent formers, huge amounts of free water & high flow to handle/seconde are key points for the machine dewatering efficiency. The forming fabric must have a good retention (to create an even and non-hairy surface) and a high dewatering capacity. Using a felt with very dense surface, as Crescent 123™, allows accelerating dewatering through the forming fabric, helping the centrifugal effect.

**TissueFlyer™ is applied on tissue machines with inclined table, twin wires and crescent formers.**

Available on request: ultrasonic cut reinforced edges, ultra high wear resistance, nanotechnology lifelines.