

Pretech XL and Pretech XLV Passport

stationary flat systems for the rear of the card

What?

Bekaert offers the XLR (Top Saver), Pretech XL and Pretech XLV Ventech stationary flat systems for installation at the back of the card. These systems provide a gentle, gradual pre-opening and pre-carding of the fibre tufts coming from the lickerin. Consequently, a well opened and uniform fibre web is presented to the revolving flats for the main carding action. The principle of the Pretech lies in its graduated, two dimensional, funnelling of fibres between the lickerin and the revolving flats, resulting from a combination of progressively finer populations on the stationary flats and closer settings above the lickerin to the entry of the revolving flats. One or more Ventech trash extraction units (via suction) can be added to the Pretech systems for extra trash removal.

Properties

- The number of fixed flats can vary from 6 to 22 depending upon the card model.
- The systems are simple and easy to fit.
- The Pretech XL systems are installed onto traditional cards by first converting the flat chain from 106 to 84 revolving flats and repositioning the flat support brackets to create the required space over the main cylinder between lickerin and revolving flats.
- On other card models, there is already sufficient space between lickerin and revolving flats without having to reduce the number of revolving flats.
- Micro-adjusters on each flat bar allow highly accurate settings to the cylinder.
- Supertech and Special Supertech stationary flats are easy to exchange.

Benefits:

- The extra pre-opening of fibres and the additional trash removal act as barrier to protect the revolving tops; resulting in increased life expectancy of the tops.
- Closer settings are possible between cylinder and revolving tops.
- Better fibre parallelism.
- Yarn imperfections are significantly reduced.
- Reduction in Classimat faults
- Potential for increased card production.

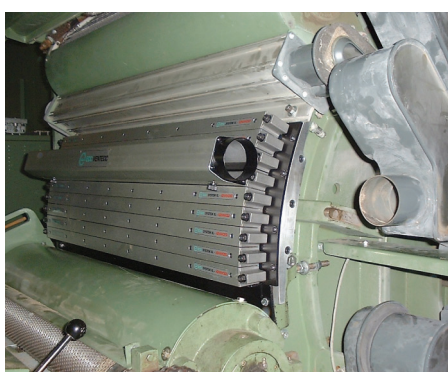
Applications:

- Upgrading the back of the card via stationary flat systems is possible for a large number of previous generation cards.

This operation improves the carding performance and quality.

**Test results with a Pretech system:
Pretech XL9V on Trützschler DK760, 100% Giza cotton,
26 kg/h for Ne 80 combed yarns.**

Test results	without system	with system	% improvement
Sliver neps	17	13	-33,5
NRE	83%	88%	+5
Yarn results			
Thin	43	30	- 30
Thick	61	54	- 11,5
Neps	86	77	- 10,5
Tensile strenght (cN/tex)	22,3	23,5	+ 5,2
Classimat A1	208	144	- 30,8
Classimat A2	44	30	- 31,8
Classimat B1	18	10	- 44,5
Classimat B2	24	16	- 33,3



Pretech XL9V on Trützschler DK760 results in better quality yarn (lower IPI and lower nr of Classimat faults).