

# XLX and XLXE

## front stationary flat systems

## Passport

### What?

The XLX and XLXE systems are designed to fit easily in place of the stripping door, above the doffer. Depending on the card model, three up to seven stationary flats can be mounted. Furthermore, a Ventech suction unit (denoted by V in the system's name) can be added to further improve the carding efficiency. It consists out of a trash deflector flat bar and a control flat bar, set to regulate the amount of peppertrash and micro-dust to be removed. The extracted impurities are deflected into the suction duct linked to the card cleaning system by a hose.

### Properties

The units can be fitted to a large range of card models

- Simple and easy to fit.
- Micro-adjusters on each flat bar allow highly accurate settings to the cylinder.
- The stationary flats are easy to exchange.
- Extraction rate of the Ventech is controlled by micro-adjustment.
- Low suction power requirement of 2.5 m<sup>3</sup>/min for the Ventech.

### Benefits

- Card cleaning efficiency is increased.
- Higher cylinder to doffer transfer efficiency.
- Less fibre hooks in the card web and better fibre parallelism.
- Fewer neps and fewer imperfections in the yarn.
- Better trash and dust extraction at the open-end spinning machine.
- Waste at the comb is reduced.
- Potential for increased card production.

### Applications

- Upgrading the front of the card via stationary flat systems for a large number of previous generation cards to improve carding performance and quality.



Trützschler DK760 equipped with XLXE6V stationary flats system results in improved yarn quality (lower IPI).

### Test results of an XLXE front fixed flats system retrofitted on Crosrol Mk4 (40 kg/h, Ne 30 ring yarn)

	Yarn imperfections (IPI)		
	Thin places	Thick places	Neps
<b>Without XLXE system</b>	22	565	587
<b>With XLXE system</b>	18	539	390