Same cuts and better final fabric quality - focus on P-clearing

Field study results prove the majority of **YarnMaster® PRISMA** with its unique polypropylene clearing under all circumstances.

The study took place in **India** at a Loepfe customer plant to compare **YarnMaster® PRISMA** to the **former competitor model** on final fabric quality with a focus on P clearing.

PRISMA is the right choice for profitable yarn clearing in the application of **100% cotton Ne 30** produced for the highest requirements.



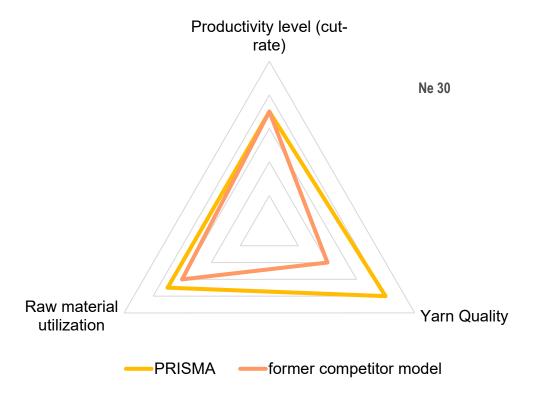


Same cuts and better final fabric quality - focus on P-clearing

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- PRISMA achieves a precision rate of 65% in P-clearing, outpacing the former competitor model's rate of 29%
- PRISMA has more than **double** the number of **justified P-cuts** ensuring a better final fabric quality





2. Study set-up

Sensors:

• PRISMA DMFP* compared to former competitor model focus on P clearing

Location:

Loepfe customer India

Raw Material:

100% cotton from India Ne 30 combed compact (Shankar6)

Winder:

• Study was done on different winding machine types fed with same ring frame bobbins

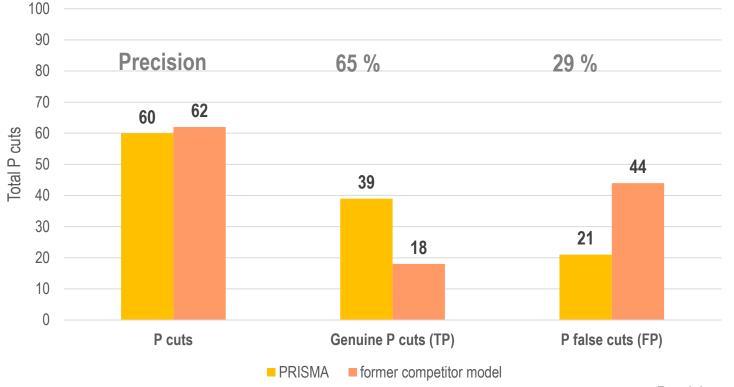
Goal:

Same cuts and better final fabric quality - focus on P clearing



3. Results on yarn clearers

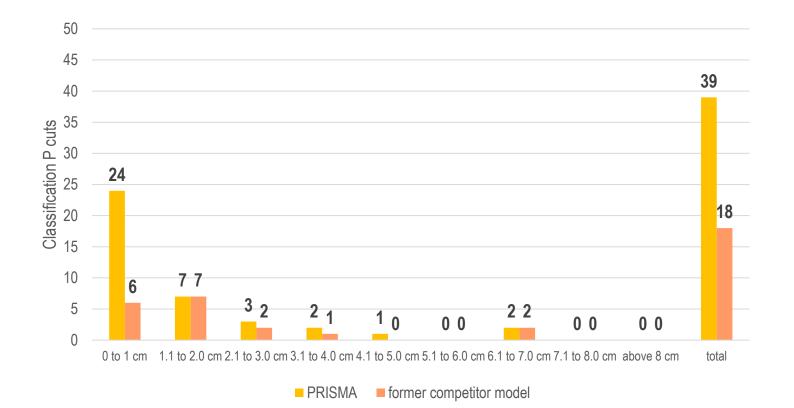
- PRISMA achieves a precision rate of 65% in P-clearing, outpacing the former competitor model's rate of 29%
- Total winding length in km: 582 (total 20 kg of knitted fabric) with climate compensation of 35%





3. Results on yarn clearers

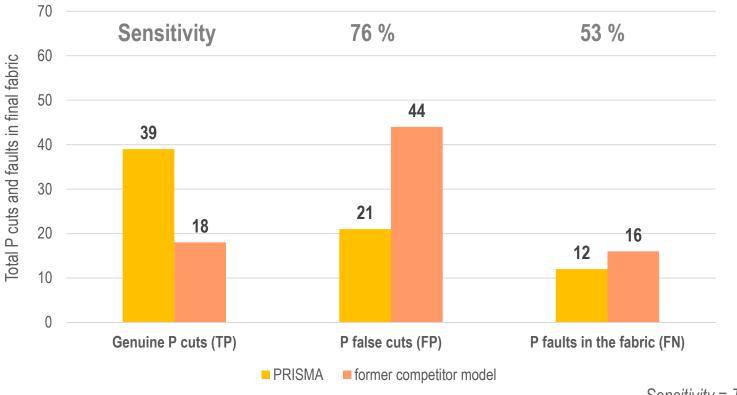
- PRISMA has more than double genuine P cuts
- Most of the detected P events of PRISMA are the disturbing small ones
- Total winding length in km: 582 (total 20 kg of knitted fabric)





4. Results on final fabric

- PRISMA reaches more than a 100 % higher total detection of P events
- P faults per kg dyed fabric: Prisma 0.6 and former competitor model 0.8





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