

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

Field Study 100-J_2023
PRISMA compared to latest competitor model, Ne 36

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 **latest 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 36** produced for the highest requirements.

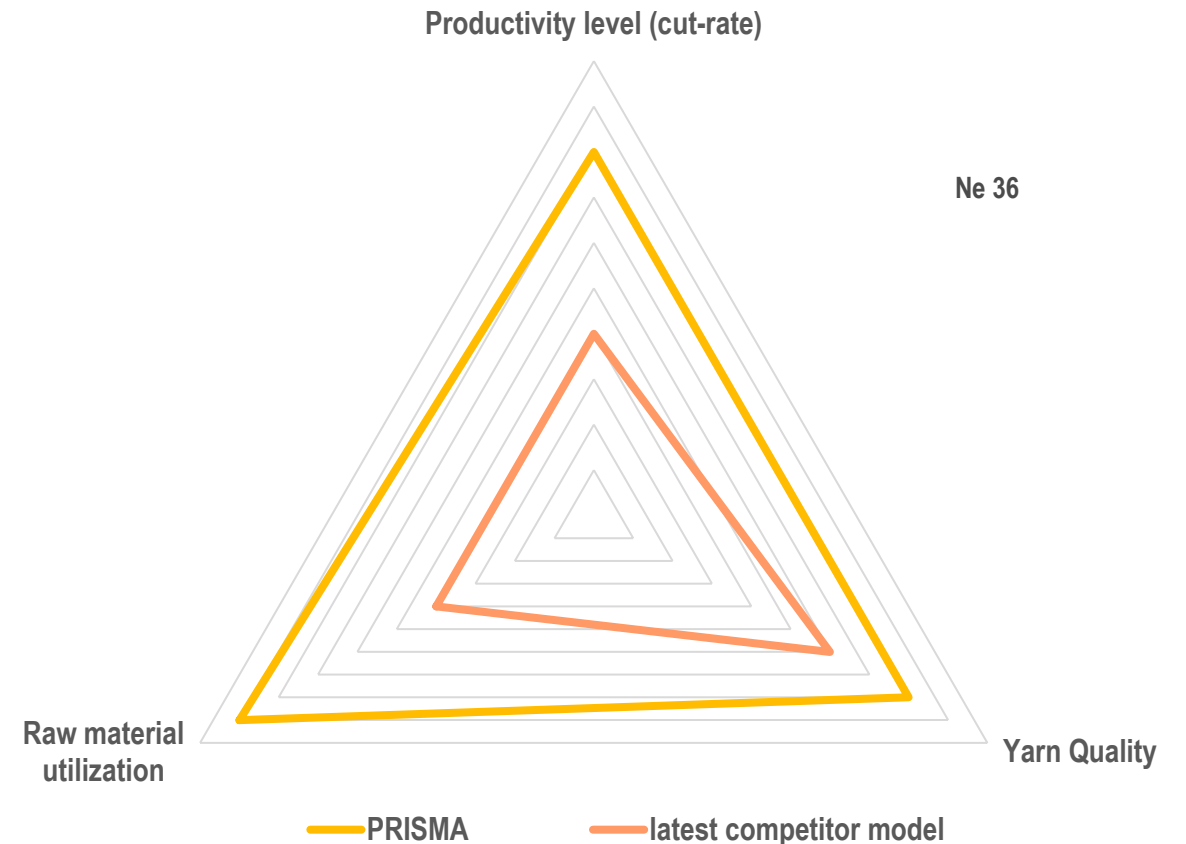


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1. Overall summary	3
2. Study set-up	4
3. Results on yarn clearers	5
4. Results on final fabric	6

1. Overall summary

- PRISMA reaches a much lower cut rate in F and P clearing with the same final fabric quality
- Both clearers achieve the same level of fabric quality; however, PRISMA requires significantly **fewer cuts**, resulting in enhanced **winding machine efficiency**.



2. Study set-up

Sensors:

- PRISMA DMFP* compared to latest competitor model focus on P clearing

Location:

- Loepfe customer India

Raw Material:

- 100% cotton from India Ne 36

Winder:

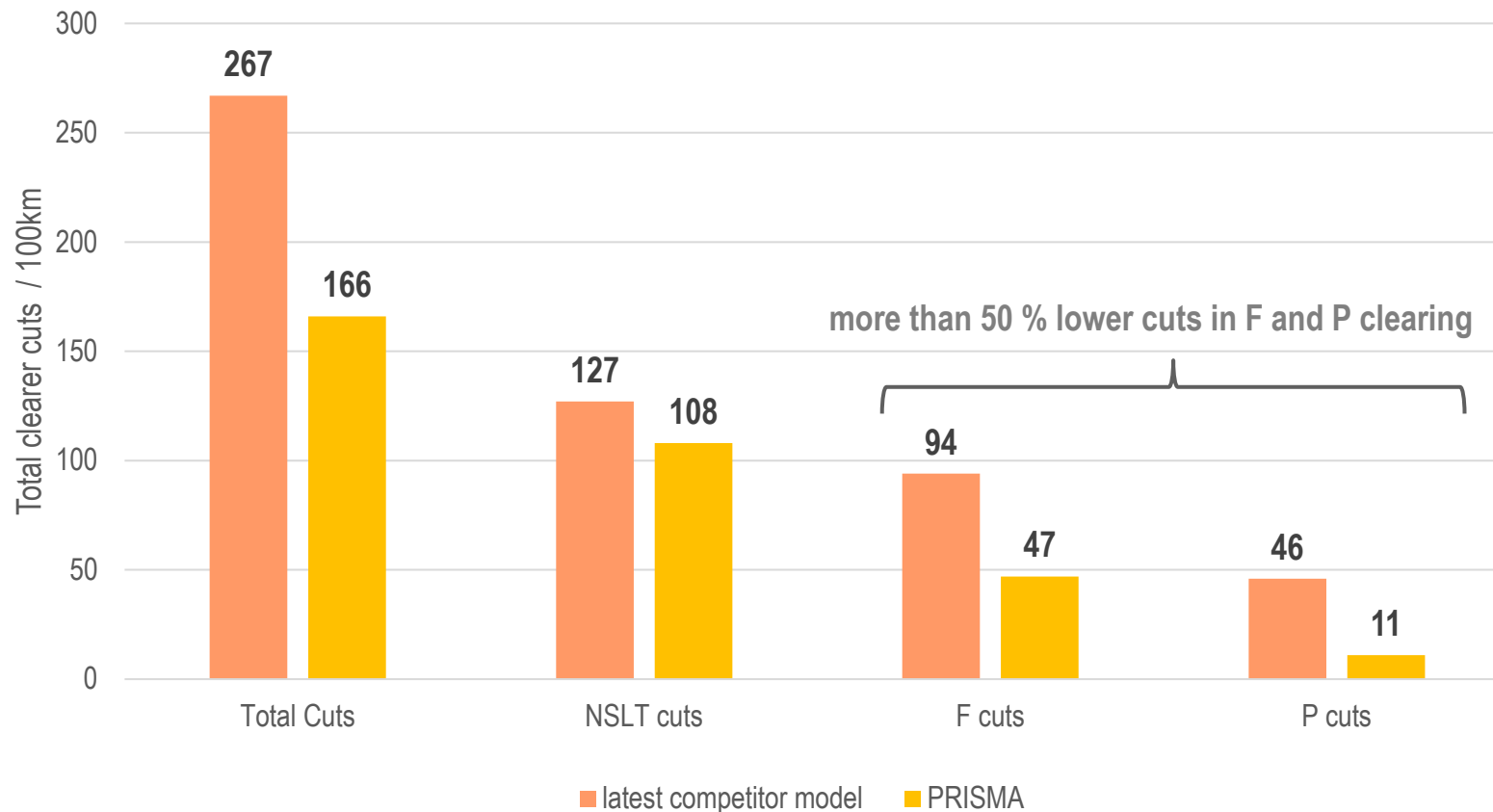
- Study was done on different winding machine types fed with same ring frame bobbins

Goal:

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

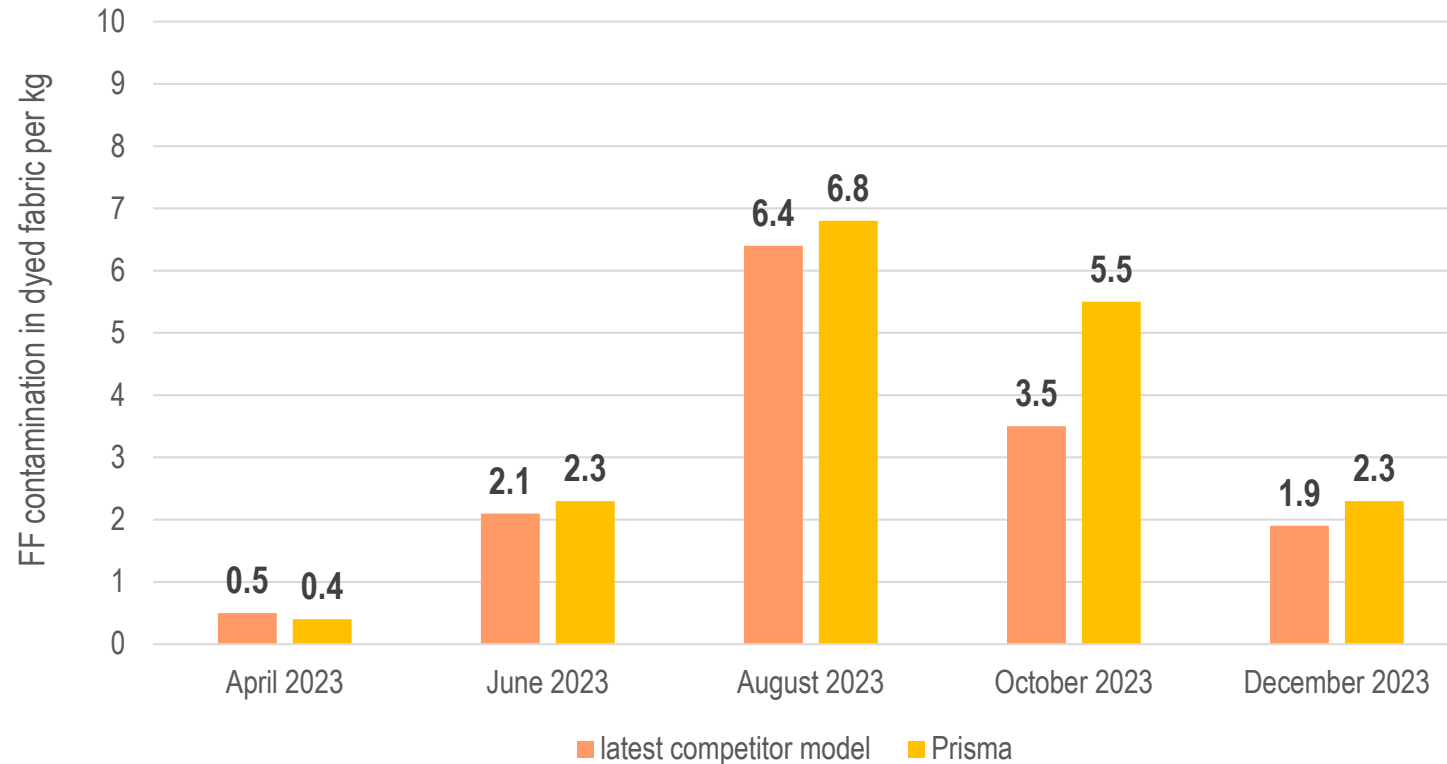
3. Results on yarn clearers

- Total cuts of latest competitor model are 61 % higher compared to YarnMaster PRISMA (results from December 2023)
- Customers target the same fabric quality with focus on P contamination



4. Results on final fabric

- Fabric appearance in **F contamination** was examined by the customer
- Fabric quality is based on customers' target to reach the same level between latest competitor model and Prisma, but F cuts of latest competitor model are 100 % higher compared to PRISMA



4. Results on final fabric

- Fabric appearance in **P contamination** was examined by the customer
- Fabric quality is based on the customer's target to reach the same level between latest competitors model and Prisma
- P cuts of latest competitor model are 320 % higher compared to PRISMA

