

# Functionalities

## YarnMaster® PRISMA

### Application range

- One sensing head covers it all
- For all staple fiber yarns (Cotton, natural fibers, synthetic, blend, mélange, fancy and core yarn)
- Yarn count: Ne 2.4 – 320, Nm 4.1 – 540
- For all splicer types
- Winding speed up to 2200m/min.

DM

DMF

DMFP



### Polypropylene clearing

- Polypropylene matrix clearing of synthetic foreign matter (PP, PE, PES etc)

### OffColor (option)

- Offcolor matrix clearing and classification
  - dark
  - bright
- Bobbin startup alarm
- Length limit alarm

### Foreign Matter clearing

- Foreign matter matrix clearing and classification
  - dark
  - bright
- F Cluster clearing and classification
  - dark
  - bright
- Organic filtering and classification
- Color mapping
- Color histogram

### LabPack (option)

- SFI/D matrix clearing and classification (hairiness)
- Labpack IPI
- Labpack SFI surface index
- IPI alarm
- Length limit alarm for SFI/D

### DM clearing

- NSLT matrix clearing and classification
- NSLT cluster clearing and classification
- Offcount matrix clearing and classification
- Core yarn clearing and classification
  - OffCentric Core
  - Missing core
- Splice matrix clearing and classification
- Autoclearing with Autostart and Autocorrect
- Fancy yarn detection
- Conductive yarn detection
- OffStandard bobbins
- Length limit alarm for OffCount
- Bobbin startup alarm for OffCount
- OffLimit alarm
- Class alarm

(D) optical Infrared, (M) mass, (F) optical RGB, (P) triboelectric