



Loepfe



MILLMASTER® TOP

Built to outperform

New requirements – innovative solutions – MillMaster TOP

Increased requirements to yarn clearing in the winding process have brought forward a new generation of LOEPFE yarn clearers. LOEPFE has focused on the development and production of optical yarn clearers in Switzerland for over half a century already. As the leading supplier of optical yarn clearers, LOEPFE's YarnMaster covers all requirement profiles in the winding process. With LOEPFE's latest YarnMaster a new data management system MillMaster TOP has been launched.

To produce high quality yarn, the Yarn clearer data in the winding process must be monitored continuously. Textile technologists know that higher quality yarn results in fewer interruptions in further processing. Fast follow-up processes or action can be done with the help of MillMaster TOP, the real time monitoring system.

MillMaster TOP is the innovative data quality monitoring system of the latest generation delivering online data in real time.

MillMaster TOP is developed for the latest Windows operating system.

No special hardware is required.

The standard version offers all functionality to exploit its real time data and information potential. MillMaster TOP can be individually customized to your needs with our wide choice of options.

LOEPFE is your competent partner for all spinning mills world-wide.

MillMaster TOP convinces with multiple TOP factors

- **Fast data exchange**
- **Installation and update made easy**
- **Comprehensive control**
- **Immediate overview on tablet**
- **Compare and optimize**
- **Quick results**
- **State-of-the-art data management system**
- **Covers your needs**
- **Make your own selection**
- **Using standard formats**



YOU ARE ON TOP

Fast data exchange

Focus on Fast Information

The all new MillMaster TOP is your mill cockpit of the future, available today. Seeking necessary data by checking every individual machine in the mill to maintain high quality production now finally belongs to the past.

With the “Fast Data Exchange” feature, MillMaster TOP delivers data of all connected machines in real-time. No other data collection system on the market can cope with the speed of the “Fast Data Exchange” technology offered in MillMaster TOP.

SPEED

**real time
data exchange**

MACHINE 1

MACHINE 2

MACHINE 3
right now

MACHINE 4

«In Real Time»

Installation and update made easy

Automatic software update via cloud

You don't need to be an IT specialist to get started with MillMaster TOP. Your target computer will automatically get the needed installation package from LOEPFE's Cloud Server. A few clicks later you can start using MillMaster TOP through its easy-to-use interface.

Through the various option packages available, MillMaster TOP is exactly tailored to your needs—no more no less. Newly acquired option packages are available for use immediately after online license synchronization.

MillMaster TOP is the only system on the market that provides automatic installation and updates via cloud.

Remote support is available.

CLOUD

CLOUD SERVER

Access
from
everywhere

«Automatically up-to-date»

Comprehensive control

Decisions in no time

MillMaster TOP serves as a real management cockpit.

In the Winding Room mode a representation of all machines is implemented.

Performance of the individual yarn production lots running on each machine is represented by traffic light colors.

Performance criteria and threshold levels can be freely set to the quality level as required for the end product.

Worst performing production lots are brought together in a separate overview to facilitate action planning (flop view).

An overview sorted by lot keeps you in control of lots distributed on several machines (lot view).

You can zoom in to dashboard mode with a simple double click on a particular lot or machine. The all new dashboard provides the user with the most important quality information at a glance.

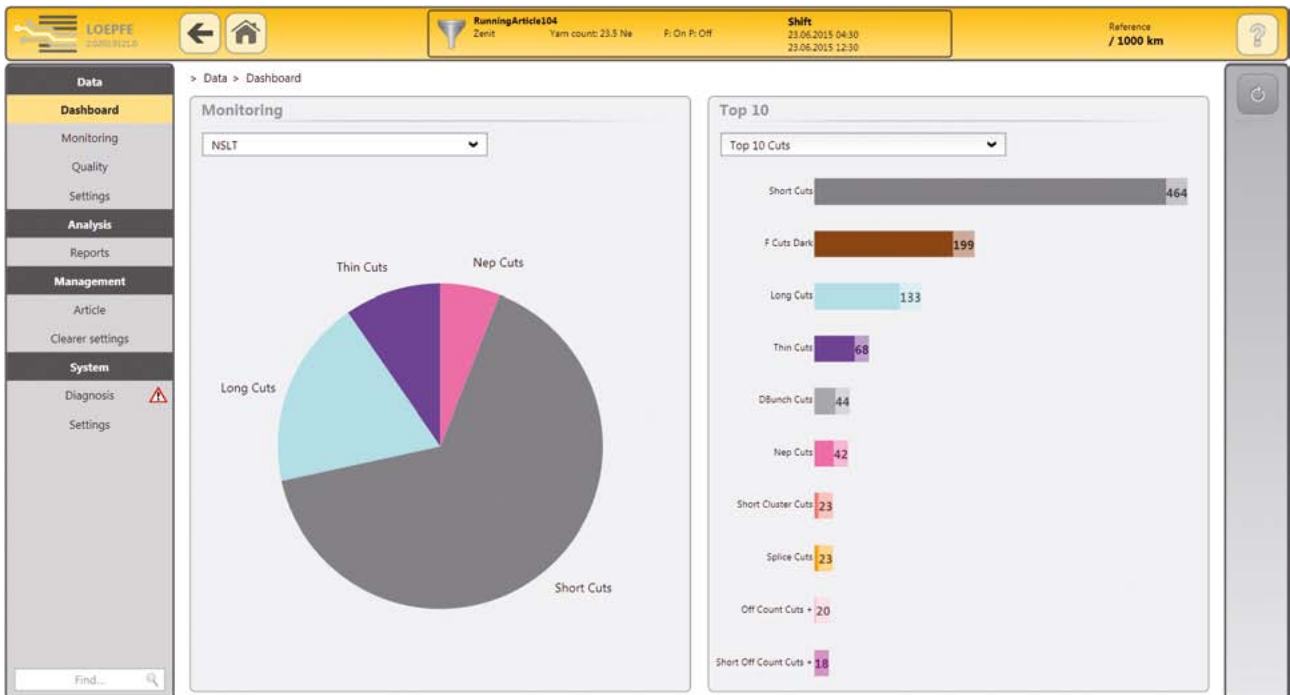
A graphical representation of the data for the most important cut types e.g. NSLT, Splice, Cluster, Foreign Matter cuts provides the user a performance overview of each machine.

Using this information, available on the spot, the manager can take immediate action where required. Specific maintenance work in the spinning process can be optimized in order to achieve a constant yarn quality.

MANAGEMENT COCKPIT



winding room



dashboard

«Instant overview and control»

Immediate overview on tablet

Machine performance data goes Mobile

Modern management wants to have real time performance data of the mill at their fingertips, not only on the desk top but also during meetings with other key people. The web client enabled MillMaster TOP is your companion. Key performance data of the mill is brought to the browser of your mobile device to keep you up to date, anytime and real time.

MillMaster TOP winding room overview delivers you a performance overview of your mill at a glance. Traffic light colors are used to show the performance of your predefined criteria with your predefined good/bad thresholds.

With the TOP/FLOP analysis you learn where action is required for increasing production at the desired quality level.

MOBILITY

A man with short brown hair, wearing a blue and white checkered button-down shirt over a white t-shirt, is smiling and looking at a silver tablet computer he is holding with both hands. He is standing in front of a large window or glass door, with a blurred outdoor scene visible in the background. The overall tone is professional and positive.

The only data collection system that uses a mobile device.

«Supervision»

Compare and optimize

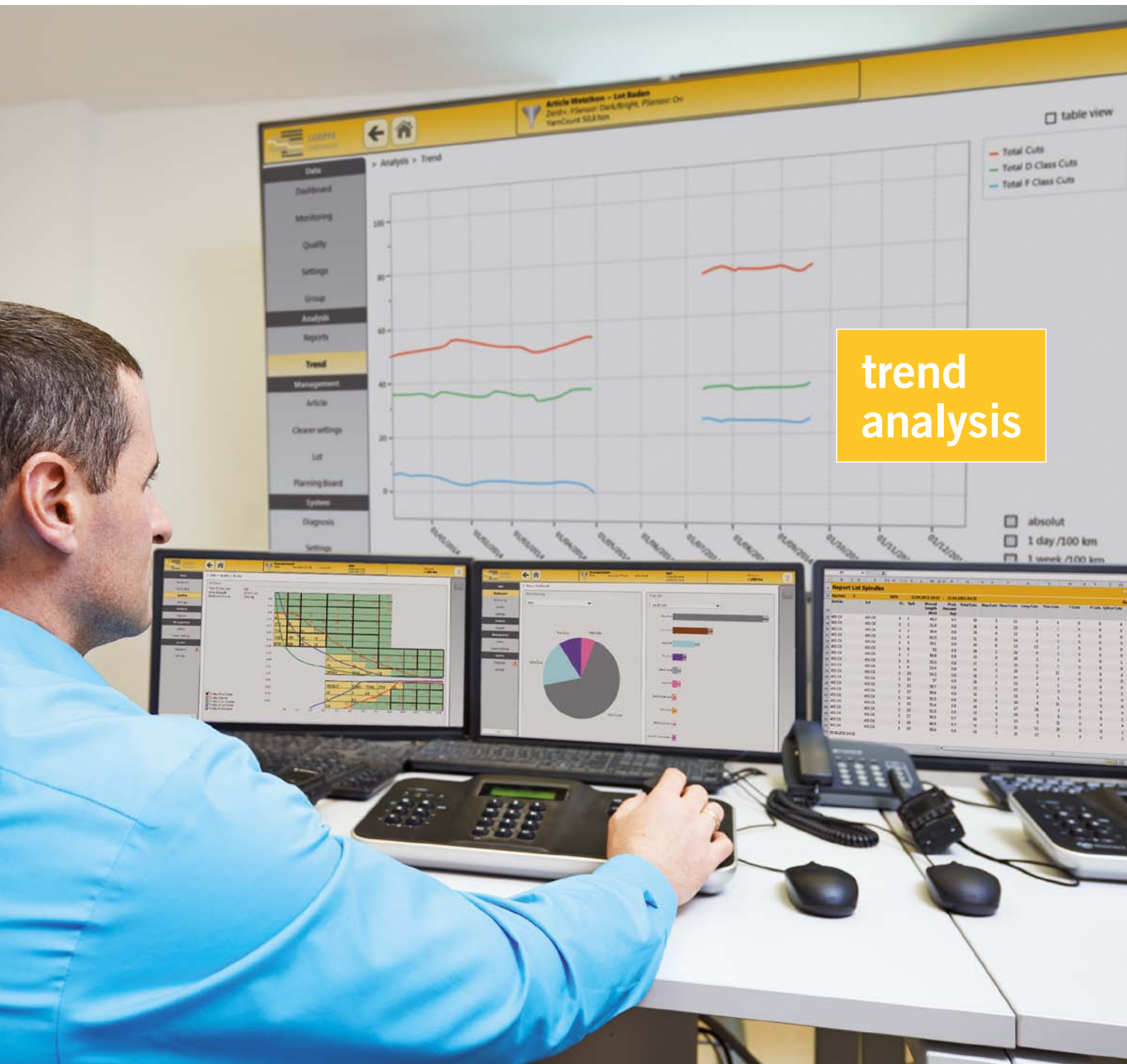
Decisions made with experience

MillMaster TOP keeps track of previously achieved quality levels. The trend-analysis tool offers an easy comparison of your actual and previous production quality. This new tool brings instant information to optimize production quality.

Trend analysis, as a fundamental tool in the process of quality improvement, enables you to pinpoint causes for off quality production.

The internal benchmarking tool is your solid base for discussion and analysis in quality improvement team. This leads to the right decisions to outperform the competition today and tomorrow.

BENCHMARKING



«Continuous Performance Improvement»

Quick results

User friendly navigation

MillMaster TOP adopts the established user interface of LOEPFLE's newest YarnMaster ZENIT+ clearer.

No matter what YarnMaster clearer or central unit generation is found on the machine, MillMaster TOP lets you view their data through its standardized ergonomic user interface.

Most of the functions are accessible with two clicks only. This feature effectively reduces training time. New users can get started in almost no time.

MillMaster TOP offers a multilingual user interface supporting most common languages used in the textile production industry.

A built-in wizard guides the user flawlessly through the process of starting a new lot.

USABILITY



«Get started in no time»

State-of-the-art Data Management System

Automatic machine identification

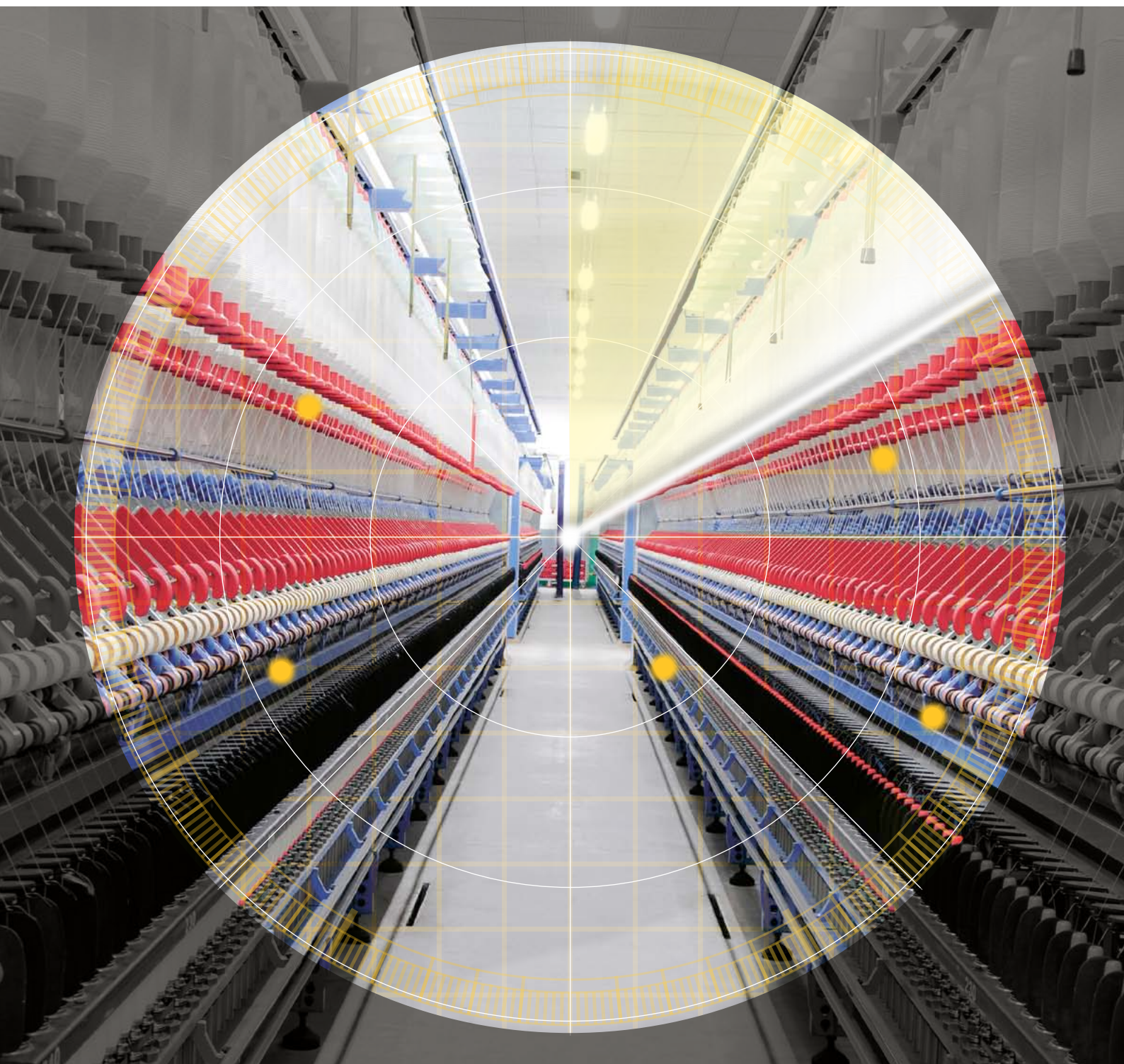
All network connected machines in your mill are automatically recognized after initiating the «Quick Mill Scan» (QMS) function of MillMaster TOP.

Through the unique QMS-function, MillMaster TOP learns all features of the YarnMaster clearers installed in your mill. This information facilitates easy lot assignment.

MillMaster TOP optionally offers you interfacing to other quality assurance equipment in the mill.



TECHNOLOGY



«Automatic detection»

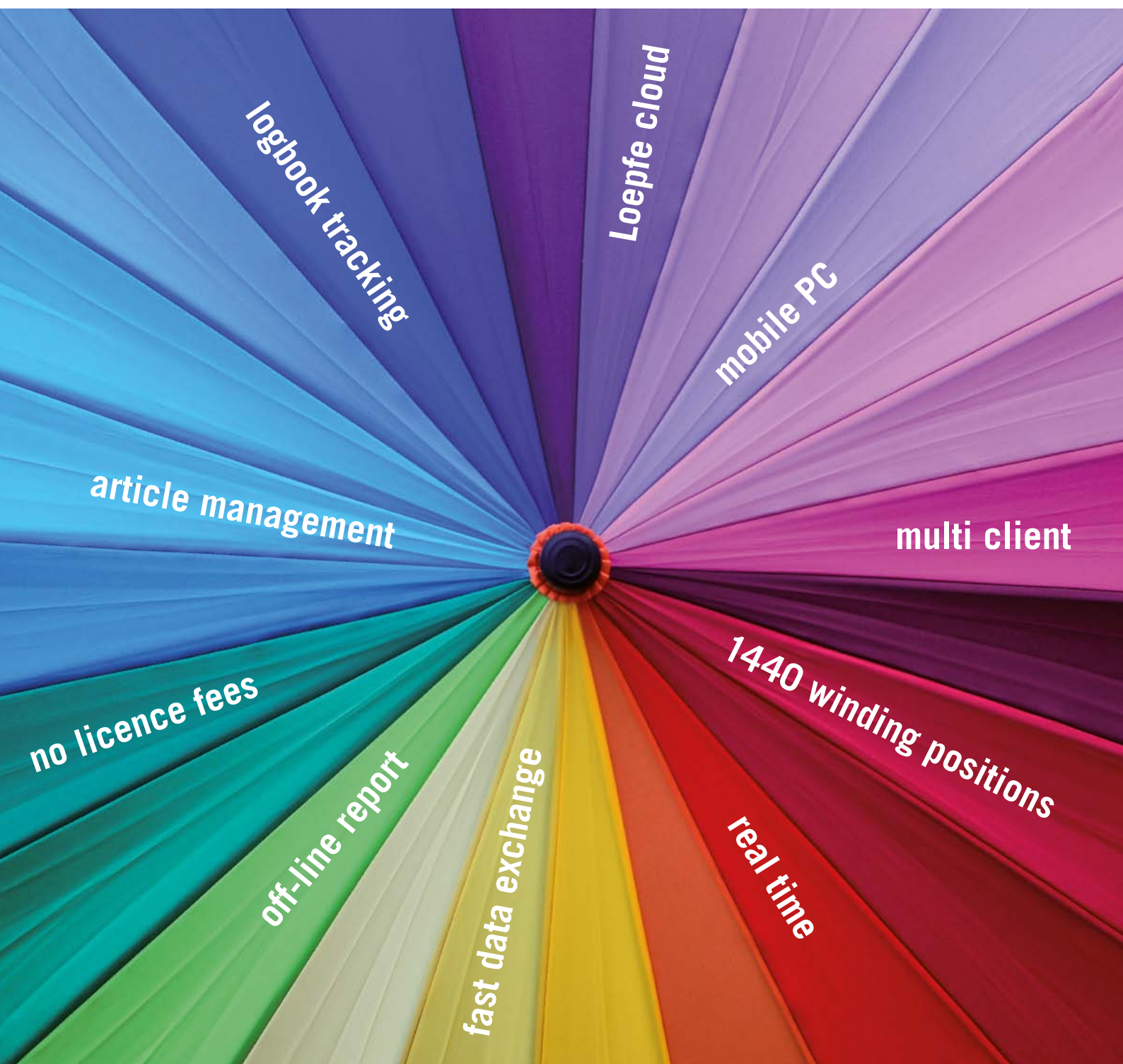
Covers your needs

Scope of functionality

Functionality of MillMaster TOP:

- up to 3 workplaces (fix or mobile)
- connecting up to 1440 winding positions
- supports most common languages used in the textile production industry
- machine overview with spindle-group performance indicators. Traffic light colors show the performance level of your predefined criteria
- flop-view: worst performing spindle-groups draw your attention lot-view: lot-grouped overview of your production
- dashboard view provides you with online data's for each machine individually
- wizard controlled download of settings to machines
- trend monitoring for all data elements
- reports: lot, shift and intermediate shift, list for spindles, groups, yarn count, article/lot, article/shift. Important reports can be exported as spreadsheet formats.
- off-limit report: worst performing spindles are shown for up to 10 pre-selected data elements
- conversion of settings for different YarnMaster generations
- lot management: list report for lots in production
- logbook for tracking of settings and group changes
- shift calendar
- article management
- clearer settings management
- automatic software update and option download via cloud
- automatic machine recognition
- standard hardware for server and client (for detailed information refer to the technical manual)
- no periodical license fees

FUNCTIONALITY



«Huge scope of Operation»

Make your own selection

Benefits for Managers and Operators

MillMaster TOP can be tailored to your individual needs with a choice of available options.

- multi-client option
(up to 8 workplaces are available)
- extended connectivity
(up to 7200 winding positions)
- extended trend reports for e.g.
D and F clearing and for cut and uncut values (classification matrix)
- extended off-limit report
(percentage and standard deviation)
- report configurator
- lab report
- production planning and control
- defect sample pictures
- clearer assistant (cut forecast)
- database access for e.g.
ERP system connection

OPTIONS



«Choices that make sense!»

Using standard formats

Crystal clear reports

MillMaster TOP includes a comprehensive reporting tool. Reports can be viewed on screen, printed for archiving or exported in standard formats for additional post processing.

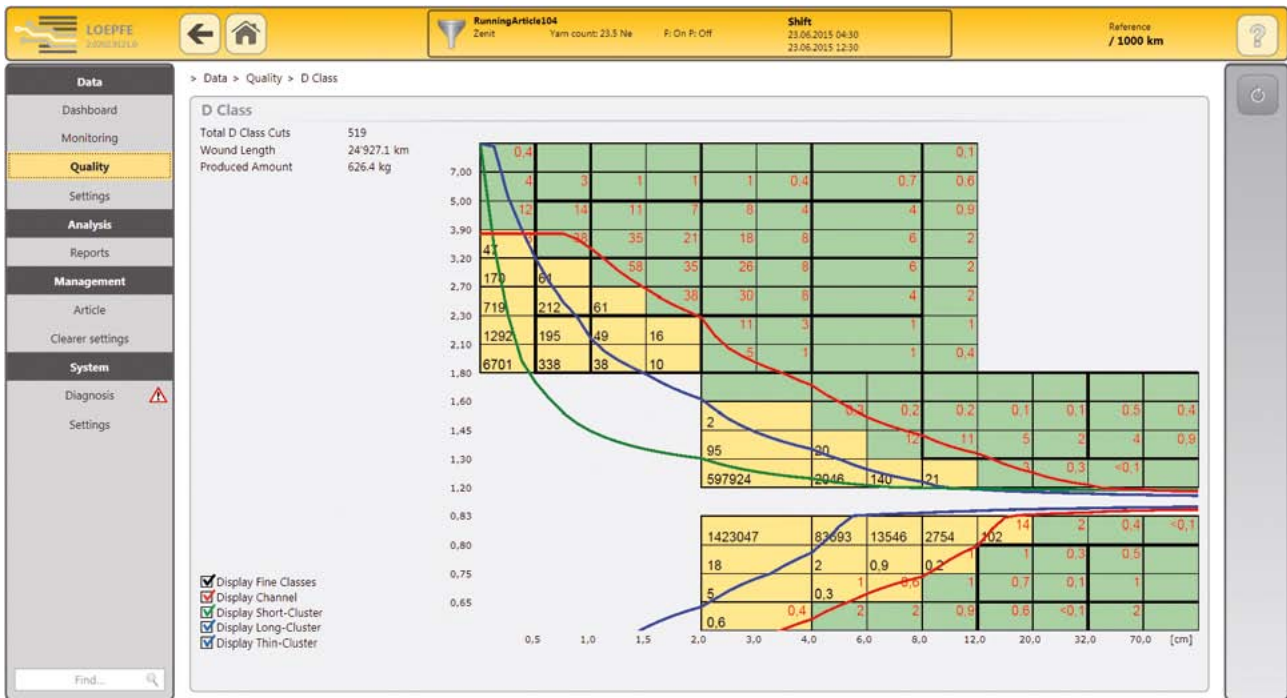
Shift reports are generated and stored automatically, intermediate reports can be viewed at any time. Both production data and quality data are brought to you in meaningful list reports and/or graphical reports. Trend reports that enable you to compare your current production lot with a previous known-good lot are now right at your fingertips in MillMaster TOP.

For those among you that like spreadsheets, data can be exported as spreadsheet formatted files.

MillMaster TOP optionally provides database access for other systems such as ERP equipment.



DATA-EXCHANGE



quality data

Report List Spindles																	
Machine	2	Shift		22.04.2015 20:15 - 23.04.2015 04:30													Reference: / 1000 km
Article	Lot	Gr.	Spd.	Wound Length (km)	Prod. Amount (kg)	Total Cuts	Nep Cuts	Short Cuts	Long Cuts	Thin Cuts	F Cuts	P Cuts	Splice Cuts	OffCnt+ Cuts	ShortCnt+ Cuts		
16	40S CK	40S CK	1	1	46.3	0.7	30	3	11	3	6	0	0	4	0	0	
18	40S CK	40S CK	1	2	51.6	0.8	38	4	23	3	1	0	0	2	0	0	
20	40S CK	40S CK	1	3	56.4	0.8	39	4	22	3	4	0	0	0	0	0	
22	40S CK	40S CK	1	4	62.5	0.9	31	6	14	4	2	0	0	5	0	0	
24	40S CK	40S CK	1	5	59.1	0.9	40	6	13	13	2	0	0	0	0	0	
26	40S CK	40S CK	1	6	53	0.8	39	1	24	8	2	0	0	0	0	0	
28	40S CK	40S CK	1	7	59.9	0.9	33	0	16	2	2	0	0	1	0	0	
30	40S CK	40S CK	1	8	55.5	0.8	47	1	22	5	7	0	0	6	0	0	
32	40S CK	40S CK	1	9	53.4	0.8	44	2	20	2	11	0	0	4	0	0	
34	40S CK	40S CK	1	10	54.3	0.8	36	2	14	8	4	0	0	0	0	0	
36	40S CK	40S CK	1	11	57	0.8	38	1	15	4	1	0	0	0	0	0	
38	40S CK	40S CK	1	12	59.7	0.9	23	1	10	2	5	0	0	1	0	0	
40	40S CK	40S CK	1	13	59.4	0.9	30	1	15	3	1	0	0	0	0	0	
42	40S CK	40S CK	1	14	52.5	0.8	38	2	16	4	11	0	0	0	0	0	
44	40S CK	40S CK	1	15	53.4	0.8	49	4	17	16	3	0	0	0	0	0	
46	40S CK	40S CK	1	16	52.5	0.8	33	0	10	5	8	0	0	1	0	0	
48	40S CK	40S CK	1	17	50.5	0.7	65	1	13	3	33	0	0	4	0	0	
50	40S CK	40S CK	1	18	46.8	0.7	72	2	21	11	26	0	0	1	0	0	
52	40S CK	40S CK	1	19	56.9	0.8	43	3	11	17	4	0	0	1	0	0	
54	06.08.2015 14:32															1/1	

exported spreadsheet

«Data exchange made easy»



Loepfe

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