

Installation Manual MillMaster[®] TOP

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1 General Information

1.1 About this document

This Instruction Manual helps users to work safely and efficiently with MillMaster TOP.

Read this Instruction Manual in its entirety before starting up MillMaster TOP.

This manual is part of MillMaster TOP and must be kept accessible to trained operators at all times in the immediate vicinity of the device.

1.2 Scope of application

This document applies to: The MillMaster TOP software tool.

1.3 Target audience

This document is intended for use by specialist personnel only. The descriptions given here assume that the reader is a qualified professional trained by the manufacturer. These descriptions do not replace training on product use.

1.4 Notes

Information symbol



This symbol indicates additional information for the user.

Images in the document

	пΙ
l	

The images of the user interface (screenshots) included in this manual are examples, and do not necessarily contain relevant data.

2 Safety

2.1 Intended use

This software is intended exclusively for use as a data analysis and administration tool for yarn clearers that are linked to the central units of the spinning machines. Any other use, or any use that goes beyond the intended purpose, is considered improper. Loepfe Brothers Ltd. shall not be liable for any damages that result from improper use.

2.2 Safety Information and Warnings

Safety information and warnings draw attention to hazards and are marked with symbols and signal words to express the danger level.







NOTE
Indicates a potentially hazardous situation which may result in damage to property.

2.3 Explanation of symbols

Warning symbol



General warning symbol

Electrical voltage warning

3 Installation

3.1 System requirements

Server		
64-bit operating system	Windows 10 Windows in English version or with Multilingual User In- terface (MUI) package recommended	
Processor	Intel Core i5, \geq 4th Gen; recommended i7 [*] , \geq 4th Gen	
Working memory	≥ 16 GB RAM	
Disk storage	≥ 500 GB SSD	
Network connection (Ethernet)	LAN 100/1000 Mbit/s	
Ports	USB	
Uninterruptible power supply (UPS)	recommended	
Monitor	min. 24 inches	
Monitor resolution	min. 1366 x 768	
Client computers		
64-bit operating system	Windows 10	
Processor	Intel Core i5, ≥ 4th Gen	
Working memory	≥ 8 GB RAM	
Disk storage	≥ 250 GB HDD	
Network connection (Ethernet)	LAN 100/1000 Mbit/s	
Ports	USB	
Monitor (diagonal)	min. 24 inches	
Monitor resolution	min. 1366 x 768	

Software (required)	
.NET Framework 4.X.X	If not already installed, this software will be installed dur- ing the installation.
PostgreSQL	If not already installed, this software will be installed dur- ing the installation.
Internet Explorer 11	
GoToAssist	
Mobile devices (optional)	Recommended browsers
Smartphones and tablets	- Firefox ≥ 35.0 - Internet Explorer ≥ 9.0 - Safari ≥ 8.0 - Google Chrome ≥ 42.0 - Chromium ≥ 44.0 - Opera ≥ 25.0
Network connection	
Ethernet cable	Do not use unshielded UTP cables! Cat5e, shielded, STP *** Cat6a, shielded, STP *** Cat7*, shielded, STP ***
Length	≤ 100 m
Switch	max. 4
Patch cable	Cat6a, shielded, STP ***
Length	≤ 10 m
Switch	1000 Mbit/s (Gigabit Ethernet Switch)
Router (optional)	1000 Mbit/s (Gigabit Ethernet Router)
Internet	Constant connection
Support	
Ports	reachable: TCP: 80, 443, 8200 UDP: 53, 514, 1853, 8200
Legend	
	* We recommend this version.
	** We recommend that you install the English version of the operating system so that the Technical Support team can change the language settings in case support is needed.
	*** compliant with IEEE 803.3, EN 50288-2-1:2013

3.2 Network topology

This section presents examples of network connections.



To ensure proper and error-free network connections, only "shielded" (STP) cables should be used.

3.2.1 Network with one IP address



3.2.2 Network with multiple IP addresses

The machine network and the client network are connected by means of a connection between the two switches. A static IP address is required for a connection from the software via VNC.



3.2.3 Network via routers

The machine network and the client network are connected via routers.



3.2.4 Network with VPN

The machine network and the client network are connected via VPN through two routers. This type of connection is used when two separate networks need to be connected to one another.



3.3 Configuring central units and connecting them to the network

This section describes the different connections to the network and the associated configurations for the central units.

The software can be connected to the following central units and Informator units:

- Central unit: LZE-I, LZE-II, LZE-III and LZE-V
- Machine type: Schlafhorst AC 338 and Schlafhorst Oerlikon AC5, ACX5 and AC6 Informators

Requirements for configuration and network connection

- RJ45 cables are available.
- Plan at least 0.5 meters (1 foot 8 inches) of additional RJ45 cable length.
- RJ45 cables are laid in a cable tray or other appropriate device.
- RJ45 cables are not laid together with cables that carry a live voltage.

3.3.1 IP addresses

This section provides suggestions and examples of IP addresses and subnet masks that can be used to connect the winding machines.

No.	Machine name	IP addresses	Subnet mask	Host name	LZE type	Yarn clearer type	Spindle
PC	MillMaster	192.168.7.1	255.255.255.0				
01	Winding ma- chine 1	192.168.7.101	255.255.255.0				
02	Winding ma- chine 2	192.168.7.102	255.255.255.0				

Notes:

Table 1: Example IP addresses and subnet masks

The following local IP address ranges are also available; these ranges are not reachable on the Internet and can therefore be used for the software.

IP addresses
10.0.0.0 – 10.255.255.255
172.16.0.0 – 172.31.255.255
192.168.0.0 – 192.168.255.255

Table 2: Examples of additional IP addresses

3.3.2 LZE-V

Connect the LZE-V to the client computer

	Danger of electric shock
4	Touching live components and electrical connections can lead to severe injury or death.
	 Unplug the device from mains power before performing any repair or maintenance work.
	 Unplug the device from mains power before removing device enclosure or opening side panels.

- ✓ Use the IP address 192.168.1.200 as the default.
- 1. Connect the client computer to the LAN 2 port with an RJ45 cable.
 - \Rightarrow The software is now connected to the LZE-V central unit.



LZE-V rear panel

Configure network settings

- ✓ The LZE-V has been started up.
- 1. Open Settings > Machine > Base settings.
- 2. Press 🔒
 - \Rightarrow The login window opens.
- 3. Enter username (Foreman) and password.
- 4. Press 💉 to edit settings.
- 5. Machine Name: Enter the name of the machine.
- 6. MillMaster Link: Select "On".
- 7. Confirm with \checkmark .
- \Rightarrow The settings are saved.

Base Settings	
Machine Type	Schlafhorst ACX5/AC6
Machine Name	MA01
MillMaster Link	On

Please note the following restrictions for the hostname: use 8 characters max, no spaces Use the letters A-Z, a-z and digits 1-9 The first character must be a letter -Hostname and machine name can be identical 1. Open Service > Setup > Network. 2. Press 🔒 . \Rightarrow The login window opens. 3. Enter username (Service) and password. 4. Press / to edit settings. 5. Select the «Network» tab. 6. Host Name: Enter the hostname, e.g. MA01.

- 7. Select the «LAN 2» tab.
- 8. DHCP: Select "Off".
- 9. IP Address: Enter the IP address.
- 10. Subnet Mask: Enter the subnet mask, e.g. a value from the IP addresses [> 15] table.
- 11. Gateway: Enter the gateway IP address.
- 12. DNS: Enter the DNS IP address.
- 13. «LAN 1» tab: Do not make any changes, except for SAVIO machines.
- 14. Confirm with 🧹 .
 - \Rightarrow The settings are saved.
- ⇒ The software restarts.



Service > Setup > Network settings

3.3.3 LZE-III

Connect the LZE-III to the client computer

- 1. Connect the client computer to the LAN 1 port with an RJ45 cable.
- 2. Select the «Dialog» tab.



- 3. Select the *Software > Options* menu.
 - ⇒ The «**Reports**» window opens.
- 4. Find the MAC address under «Reports».
- 5. Find the MAC address in the *Central unit* menu and compare with the MAC address from Reports.
 - $\Rightarrow\,$ If MAC Address 1 matches, for example, then the LAN 1 port is activated.
- \Rightarrow The software is now connected to the LZE-III central unit.

Group	Style	Connected to 127.0.0.1
Reports		IP Address 0 0.0.0.0
Options Quality Pack		MAC Address 0 00-00-60-DD-79-B4
Option Code A : 0	0000000	IP Address 1 0.0.0.0
MAC Address: 00-00-60-DD-79-B5		MAC Address 1 00-00-60-DD-79-B5



LZE-III rear panel

Configure network settings

Prerequisites

- ✓ The LZE-III has been started up.
- 1. Select the «Dialog» tab.

Shift Calendar 🛛 Diagnosis 🚺 Dialog 🤇 😓

2. In the *Permissions* menu, select Foreman Password.

- \Rightarrow The Permissions window opens.
- 3. Enter the foreman password.
- 4. Press «OK».
 - ⇒ The user level / password level is set to Foreman and the menu changes.
- 5. Check the MAC address, and change the MAC address if needed. See the section on how to **Connect the LZE-III to the client computer**.
- 6. Select «Reboot system».

Reboot System

- ⇒ A "Reboot system?" pop-up window appears.
- 7. Press «Yes».
 - \Rightarrow The system restarts.
- ⇒ The «System monitor for LZE» window opens.

System Monitor for LZE		
To start service screen press here		

- 1. Press «To start service screen» to change the IP address.
 - ⇒ The «Loepfe YM Zenit monitor service screen» window opens.
- 2. Press «Change IP Address».
 - ⇒ A confirmation window appears.
- 3. Press «Yes» to reboot the system.
 - ⇒ The system restarts.
 - ⇒ The «SetIpAddrXp» window opens.
- 4. Under New Settings, go to the "LAN Adapter to change" field and select LAN 0 or LAN 1.
- 5. In the "Address Mode for LAN" field, select the radio button for "Use static IP address".
- In the "Static IP Address for LAN" field, enter the machine's current IP address, e.g. from the IP addresses [▶ 15] table.
- 7. Press «Set new settings and reboot» to reboot the system.
 - \Rightarrow The settings are saved.
 - \Rightarrow The system restarts.
- ⇒ The network settings are configured.

Current LANU	Current LAN1
DHCP No	DHCP No
P 192.168.1.200	IP 192.168.1.201
SubNet 255.255.255.0	SubNet 255.255.255.0
ew Settings: AN Adapter to change: - choose	CLAN0 or CLAN1
ew Settings: AN Adapter to change: choose Address Mode for LAN 1– Ouse static IP-Address	C LAN 0 or C LAN 1
ew Settings: AN Adapter to change: choose Address Mode for LAN 1– Use static IP-Address Static IP-Address for LAN New IP-Address:	C LAN 0 or C LAN 1 C Get IP-Address from DHCP
ew Settings: AN Adapter to change: choose Address Mode for LAN 1– Use static IP-Address Static IP-Address for LAN New IP-Address: 192	C LAN 0 or C LAN 1 C Get IP-Address from DHCP 1 7

SetIpAddrXp

3.3.4 LZE-II

Connect Ethernet cable

Prerequisites

- $\checkmark\,$ The LZE-II has been started up and the menu has been opened.
- 1. Connect an RJ45 cable to LAN 1 to use the software.
 - ⇒ The software is now connected to the LZE-II central unit.



LZE-II rear panel

Configure network settings (version \ge 2.0)

1. Select the «Dialog» tab.

Shift Calendar Diagnosis Dialog 🗇

- 2. In the *Permissions* menu, select Foreman Password.
 - ⇒ The Permissions window opens.

- 3. Enter the foreman password.
- 4. Press «**0K**».
 - ⇒ The user level / password level is set to Foreman and the menu changes.
- 5. Select Reboot System.

Reboot System

- ⇒ A "Reboot system?" pop-up window appears.
- 6. Press «Yes».
 - \Rightarrow The system restarts.
- ⇒ The «System monitor for LZE» window opens.

System Monitor for LZE
To start service screen press here

- 1. Press «To start service screen» to change the IP address.
 - ⇒ The «Loepfe YM Zenit monitor service screen» window opens.
- 2. Press «Change IP Address».
 - \Rightarrow A "Disable CF Protection" pop-up window appears.
- 3. Press «Yes» to reboot the system.
 - ⇒ The system restarts.
 - ⇒ The **«SetIpAddrXp»** window opens.
- 4. In the "Address Mode for LAN" field, select the radio button for "Use static IP address".
- In the "Static IP Address for LAN" field, enter the machine's current IP address, e.g. from the IP addresses [▶ 15] table.
- 6. Press «Proceed» to reboot the system.
 - \Rightarrow The settings are saved.
 - ⇒ The system restarts.
- \Rightarrow The network settings are configured.

Installation



SetIpAddr2

3.3.5 Schlafhorst Informator AC5/ACX5/AC6

1. Connect an RJ45 cable to LAN 1 to use the software.



Informator AC rear panel

Informator control icons

Symbol	Name	Description
	Data Display	This section contains screens to monitor and operate the machine and its individual parts.
	Machine Configuration	Machine configuration
	Management	Software settingsAccess permissionsMachine status
	Login/Logout	Enter username and passwordAssign password



Check battery

- $\checkmark\,$ The battery level must not be too low to configure the settings.
- $\checkmark\,$ Do not switch off the machine while editing settings.
- 1. Stop the machine.
- 2. Activate the Informator's screen.
- 3. Press the Data Display/Machine/Electronics icon.
- 4. Check the battery level.
 - $\, \Rightarrow \,$ The battery level should be > 3000 mV.

Connect network

Prerequisites

- ✓ A software version \ge 1.30.00 is no longer necessary.
- 1. Activate the Informator's screen.
- 2. Press the Login/Logout icon.
- 3. Enter the password (service) and confirm with "Login".
- 4. Press the Management icon.
- 5. Press the Machine Configuration icon.
- 6. Press "Basic adjust", then "Network".
- 7. Change the Network setting to Network with.

Restart the Informator

- 1. Switch to the Loepfe screen.
- 2. Press the «Maintenance > AWE 800 status» button.
- 3. Press 📷
- 4. Enter the password (service) and confirm.
- 5. Press 🛐 .
- 6. Scroll 🔯 to 255.
- 7. Press 🛐 .
- 8. Scroll 🙀 to 258.
- 9. Press f to reboot the system.
 - ⇒ The system restarts.
- 10. Press the <code>«Setup»</code> button once the Setup screen opens.

Enter the TCP/IP address, subnet mask and hostname.

Please note the following restrictions for the hostname:



- use 8 characters max, no spaces
- Use the letters A-Z, a-z and digits 1-9
- The first character must be a letter
- Hostname and machine name can be identical
- 1. In the main menu, select Basic setup menu.
- 2. Enter the password (42) and confirm.
- 3. Enter the following information from the Informator:
 - Informator IP address,Subnet mask in hex code (FF = 255),
 - Machine hostname, e.g. MA01.
- \Rightarrow The system restarts.

Main Menu
> Basic Setup Menu
Hardware Info
Program Update
Diagnostic Menu
Touch Calibration
Touch Verification
Q V E B T Y U L O P C) I T
A S D F G H J X L : "Enter + +

Basic Setup Menu

- 1. Press «ESC» to switch to the main menu.
- 2. Save changes.
- 3. Press «**Y**».
 - \Rightarrow The menu closes.
- 4. Press **«ESC**» to switch to the main menu.
- 5. Press **«ESC**» to reboot the system.
- \Rightarrow The system restarts.

Main Menu	
> Boot Sequence	Int. CF, (None), (None)
Real time clock	00/01/01
Ethernet IP	192.168.7.101
Ethernet Subnet Mask	FFFFFF00
Ethernet Default Gateway	(None)
Ethernet Boot Host IP	(None)
Machines	Ma01
Configure boot methods	
EXC 1 2 3 4 2 U U E R T A S B F 0 2 X C U Sh	6 2 6 2 0 - + + 7 0 1 0 7 1 7 H 3 K 1 ,, E Enter + B N R > 7 3 L: X X X 4

Boot Sequence

3.3.6 Schlafhorst Informator AC338

1. Connect an RJ45 cable directly to the Mini surface box to use the software.



Informator AC338 rear panel

3.3.7 Schlafhorst Informator with series number < 7000



Informators delivered before the end of January 2004 also require a transceiver to connect to the machine. Informator units delivered after February 2004 have a built-in transceiver.

1. Connect an RJ45 cable to the Informator interface to use the software. (See figure: Informator rear panel.)



Informator rear panel

Check battery

- $\checkmark\,$ The battery level must not be too low to configure the settings.
- $\checkmark\,$ Do not switch off the machine while editing settings.
- 1. Stop the machine.
- 2. Activate the Informator's screen.
- 3. Open the *Service > Maintenance* menu.
- 4. Check the battery level.
 - \Rightarrow The battery level should be > 3000 mV.

Connect network

- 1. Activate the Informator's screen.
- 2. Press "Machine parameters".
- 3. Press "Network".
- 4. Enter the password and confirm.
- 5. Change the Network setting to Network with.
- 6. Press the Enter icon.

Settings in the configuration



- 1. Open the panel over the Informator.
- 2. Pull out the plug to turn off the Informator.
- 3. Turn the hex knob to position 1.
- 4. Insert the plug to turn on the Informator.
 - ⇒ The system restarts.



Reconfigure boot system

- ✓ The Boot menu is open.
- ✓ The TCP/IP address is available.
- 1. Select <rc> from the menu to Reconfigure the boot system.
- 2. Press Enter.

B001	TING PROCEDURES AVAI	LABLE	- «INPUT»	
Root	from onboard FLASH	ROM	- (f1)	
Boot	from raw PCMCIA ca	rd	- <pc></pc>	
Trai	sfer PCMCIA -> FLAS	H	- <pf></pf>	
Boot	from Ethernet - BO	OTP	- <le></le>	
Boot	t from SCSI (CCS) ha	rd drive (M14) -	- (hs)	
Boot	t from Teac SCSI flo	ppy drive (M14)	- <fs></fs>	
Reco	onfigure the boot sy	sten	- (rc)	
Rest	tart the system		- <q></q>	
Sel	ect a boot method fr	on the above new	u: RC	

Enter IP address, subnet mask and hostname

Prerequisites

- ✓ The Boot menu is open.
- ✓ The IP address, subnet mask and hostname are available.
- 1. Select <in> from the menu to Set internet address.
- 2. Press Enter.
- 3. Enter the prepared TCP/IP address, e.g. 192.168.7.101 for Machine 01.

Return to hoot menu (undo changes) -	(rt)
Reconfigure the boot order	<bo></bo>
SCSI M14 module slot	(SS)
Set filename for BOOTP protocol	<bp></bp>
Set internet address	<in></in>
Set internet subnet mask	<im></im>
Set internet hostname	<ih>></ih>
Set internet broadcast mask	<ib></ib>
Display all boot parameters	<dp></dp>
Save changes and restart system	
Select anything from the above menu:	-> IN

Enter subnet mask

- ✓ The Boot menu is open.
- 1. Select <im> from the menu to Set internet subnet mask.
- 2. Press Enter.
- 3. Enter subnet mask:
 - Hex code, e.g. FFFFF00
 - Default, e.g. FFFFF00 = 255.255.255.0

Enter hostname

	Please note the following restrictions for the hostname:
\bigcirc	use 8 characters max, no spaces
ΙĬΙ	Use the letters A-Z, a-z and digits 1-9
	The first character must be a letter
	 Hostname and machine name can be identical

Prerequisites

- ✓ The Boot menu is open.
- 1. Select <ih> from the menu to Set internet hostname.
- 2. Press Enter.
- 3. Enter the hostname, e.g. MA01.

Enter Internet broadcast mask

Prerequisites

- ✓ The Boot menu is open.
- 1. Select <ib> from the menu to Set internet broadcast mask.
- 2. Press Enter.
- 3. Type **1** to set the IP address.

Review settings

Prerequisites

- ✓ The Boot menu is open.
- 1. Select <dp> from the menu to Display all boot parameters and review them.
- 2. Press Enter.
- 3. Check the parameter values and make any necessary changes.

BOOT PARAMETERS:

```
SCSI M14 module slot: 0
BOOTP filename: os9boot
                        192.168.7.101
Internet address
Internet subnet mask
                      : Oxfffffff00
Internet hostname
                      : MA 10
Internet broadcast mask: 1
Boot order:
?Boot from onboard FLASH ROM
?Boot from raw PCMCIA card
?Transfer PCMCIA -> FLASH
?Boot from Ethernet - BOOTP
?Boot from SCSI (CCS) hard drive (M14)
?Boot from Teac SCSI floppy drive (M14)
Hit <CR> to continue...
```

Save settings in the configuration

Prerequisites

- ✓ The panel over the Informator is open.
- 1. Turn the hex knob to position 2.
- 2. Select <q> from the menu to open Save changes and restart system.
- 3. Press Enter (2x).
- \Rightarrow The settings in the configuration are saved.

3.3.8 Schlafhorst Informator with series number > 7000

Check battery

Prerequisites

- ✓ The battery level must not be too low to configure the settings.
- ✓ Do not switch off the machine while editing settings.
- 1. Stop the machine.
- 2. Activate the Informator's screen.
- 3. Open the *Service > Maintenance* menu.
- 4. Check the battery level.
 - \Rightarrow The battery level should be > 3000 mV.

Connect network

Prerequisites

- ✓ A software version \ge 1.30.00 is no longer necessary.
- 1. Activate the Informator's screen.
- 2. Press "Machine parameters".
- 3. Press "Network".
- 4. Enter the password and confirm.
- 5. Change the Network setting to Network with.
- 6. Press M.

Restart the Informator

- 1. Switch to the Loepfe screen.
- 2. Press the **«Maintenance > AWE 800 status»** button.
- 3. Press 🛐 .
- 4. Enter the password (service) and confirm.
- 5. Press 🚮 .
- 6. Scroll 🔯 to 255.
- 7. Press 📆 .
- 8. Scroll 🕅 to 258.
- 9. Press [to reboot the system.
- 10. Press the **«Setup»** button once the Setup screen opens.

Enter IP address, subnet mask and hostname

Please note the following restrictions for the hostname:

- use 8 characters max, no spaces
- Use the letters A-Z, a-z and digits 1-9
- The first character must be a letter
- Hostname and machine name can be identical
- 1. In the main menu, select Basic Setup Menu.
- 2. Enter the password (42) and confirm.
- 3. Enter the following information from the Informator:
 - Informator IP address,
 - Subnet mask in hex code (FF = 255),
 - Machine hostname, e.g. MA01.
 - \Rightarrow The system restarts.

Main Menu
> Basic Setup Menu
Hardware Info
Program Update
Diagnostic Menu
Touch Calibration
Touch Verification
A 3 P F 6 H J X L : "Enter + +
Sh Lat

Basic Setup Menu

- 1. Press «ESC» to switch to the main menu.
- 2. Save changes.
- 3. Press «Y».
 - \Rightarrow The menu closes.
- 4. Press «ESC» to switch to the main menu.
- 5. Press **«ESC**» to reboot the system.
- \Rightarrow The system restarts.

Main Menu	
> Boot Sequence	Int. CF. (None), (None)
Real time clock	00/01/01
Ethernet IP	192.168.7.101
Ethernet Subnet Mask	FFFFFF00
Ethernet Default Gateway	(None)
Ethernet Boot Host IP	(None)
Machines	Ma01
Configure boot methods	
ESC 1 2 3 4 5 2 U U E F T A S D F 6 2 X C U Sh	1 1 1 1 1 1 1 1 0 1 1 1 1 1 3 1 1 1 1 1 1 3 1 1 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Boot sequence

3.4 Connect local network and test connection

- 1. Connect a computer to the local network.
- Move the mouse to the Windows Start symbol and right-click.
 ⇒ The Windows menu opens.
- 3. Select "Run".
 - \Rightarrow The Run window opens.
- 4. Enter "cmd" in the text box.
- 5. Press «OK».

-	Type the name of a	program fol	Ider docum	ant or Internet
	resource, and Wind	lows will ope	n it for you.	ienç or internet
nen:	cmd			
pen.	Laure			

- ⇒ A command-line interface window opens.
- 6. At the cursor, type "ping" followed by the IP address, e.g. 192.168.7.101.
- 7. Press Enter to confirm.
 - \Rightarrow The ping utility runs.

C:\>ping 192.1	68.7.101			
Pinging 150.1	158.148.15	ith 32 by	tes of dat	a:
Reply from 19 Reply from 19 Reply from 19 Reply from 19 Reply from 19	2.168.7.101: 2.168.7.101: 2.168.7.101: 2.168.7.101: 2.168.7.101:	hytes=32 hytes=32 bytes=32 hytes=32	tine=10ns tine<10ns tine<10ns tine<10ns	TTL=255 TTL=255 TTL=255 TTL=255
H=\>				

⇒ The result is shown directly in the command-line interface window. Check connection:

- ✓ The command-line interface window is open.
- 1. At the cursor, type "ping" and the IP address followed by the -t flag, e.g. 192.168.7.101 -t.
- 2. Press Enter to confirm.
 - \Rightarrow The ping utility runs.

C:\>ping 192.168.7.101 -t	
---------------------------	--

 \Rightarrow The result is shown directly in the command-line interface window.

3.5 Configure server

Administrator privileges for the server are needed for the following settings.

3.5.1 Change BIOS settings

The settings shown in this chapter are only an example from one operating system.

In order for the server to restart automatically after a power failure, the BIOS settings need to be modified. Prerequisites

- ✓ The Windows operating system is installed.
- 1. Restart the server to open the BIOS.
 - A message appears at the bottom of the screen: «Please press DEL or F2 to Enter UEFI BIOS settings».
- 2. Press the «DEL» or «F2» key during the reboot process.
 - ⇒ The «UEFI BIOS» menu opens.
- 3. Select the Language symbol to open language settings. ("Select your preferred language.")
- 4. Select «Restore after AC Power Loss > On».

Bort Features		Item Specific Help
Enhedded UGA Control: Sommary screen: NonLock: PDST F1 Prompt	lifeto Detecti (Cashind) (Eschied) (Delayed)	Sets the mode of open ation if an AC/Power Lons occurs.
Splanh Screen PEST Speed Up: Extended Henory Testing Uirtual Install Bisk	Off Last State Da	Restances the presions power state before loss occurred. Off: keep the power off until the power
Enbedded NIC Port 1 PRE:	(Eschled)	batton is pressed. On: It always keep the power on

5. Select «Power On».

Power Configuration		1
Watch Dog Function	Stau Off	
Restore on AC Power Loss	Power On	-
	Last State	: Select
		: Select
		ter: Sele

- 6. Select «Save and Exit» to save your settings.
- ⇒ The server restarts.

3.5.2 Change server name

To make it easier to find the server on the network, we recommend that you change its name.

- 1. Open *Windows > Settings > System > About*.
- 2. Under "Device specifications", press «Rename this PC».
 - ⇒ The «Rename your PC» window opens.
- 3. Enter the new server name in the text box, e.g. MMTOPLOEPFE01.



- 4. Press «Next», then confirm with «OK».
 - ⇒ The new server name is saved.
- \Rightarrow The server name has been changed.

3.5.3 Change network connection properties

Prerequisites

- ✓ See System Requirements [▶ 9].
- 1. Open Windows > Settings > Network & Internet > Network connections (Ethernet).
- 2. Open «Change adapter options».
 - ⇒ The «Control Panel > All Control Panel Items > Network Connections» window opens.



3. Open *Ethernet > Properties*.

⇒ The **«Ethernet Properties»** window opens.

Installation

etworking	Sharing			
Connect us	sing:			
🚅 Rea	Itek USB GI	bE Family Controller		
			Configu	re
This conne	ection uses t	the following items:		
🗹 🚰 C	lient for Micr	rosoft Networks		^
	lient for Micr le and Printe	rosoft Networks er Sharing for Microsof	ft Networks	î
	lient for Micr le and Printe oS Packet	rosoft Networks er Sharing for Microsof Scheduler	ft Networks	Â
	lient for Micr le and Printe oS Packet : temet Proto	rosoft Networks er Sharing for Microsof Scheduler col Version 4 (TCP/IP	ft Networks Pv4)	^
	lient for Micr le and Printe oS Packet : ternet Proto licrosoft Net	rosoft Networks er Sharing for Microsof Scheduler r <mark>col Version 4 (TCP/IP</mark> work Adapter Multiple:	ft Networks Pv4) xor Protocol	
	lient for Micr le and Printe oS Packet S ternet Proto licrosoft Net licrosoft LLE	rosoft Networks er Sharing for Microsof Scheduler I <mark>col Version 4 (TCP/IP</mark> work Adapter Multiple:)P Protocol Driver	ft Networks Pv4) xor Protocol	
	lient for Micr le and Printe oS Packet : ternet Proto licrosoft Net licrosoft LLE ternet Proto	rosoft Networks er Sharing for Microsof Scheduler col Version 4 (TCP/IP work Adapter Multiple:)P Protocol Driver icol Version 6 (TCP/IP	ft Networks Pv4) xor Protocol Pv6)	~
	lient for Micr le and Printe oS Packet : temet Proto licrosoft Net licrosoft LLE temet Proto	rosoft Networks er Sharing for Microsof Scheduler scol Version 4 (TCP/IP work Adapter Multiple:)P Protocol Driver scol Version 6 (TCP/IP	ft Networks Pv4) xor Protocol Pv6)	~
	lient for Micr oS Packet : temet Proto licrosoft Net licrosoft LLE temet Proto	rosoft Networks er Sharing for Microsof Scheduler bool Version 4 (TCP/IP work Adapter Multiple:)P Protocol Driver bool Version 6 (TCP/IP Uninstall	ft Networks Pv4) xor Protocol Pv6) Propertie	> >
C C C C C C C C C C C C C C C C C C C	lient for Micro oS Packet : temet Proto licrosoft Net licrosoft LLE temet Proto	rosoft Networks er Sharing for Microsof Scheduler bool Version 4 (TCP/IP work Adapter Multiple: DP Protocol Driver icol Version 6 (TCP/IP Uninstall	ft Networks Pv4) xor Protocol Pv6) Propertie	> >

- 4. Select «Internet Protocol Version 4» and press the "Properties" button.
- 5. Select the radio button for «General Use the following IP addresses».
- 6. IP Address: Enter the IP address.
- 7. Subnet mask: Enter the subnet mask.
- 8. Default gateway: Enter the default gateway.

nternet Protocol Version 4 (TCP/	(IPv4) Properties	×			
General					
You can get IP settings assigned this capability. Otherwise, you ne for the appropriate IP settings.	automatically if your network supports eed to ask your network administrator	E.			
O Obtain an IP address autom	atically				
• Use the following IP address	5:	-			
IP address:	192.168.7.1				
Subnet mask:	255.255.255.0				
Default gateway:	192.168.1.1				
Obtain DNS server address	automatically				
• Use the following DNS serve	er addresses:				
Preferred DNS server:	8.8.8.8				
Alternate DNS server:	8.8.4.4				
Validate settings upon exit	Advanced				
	OK Cano	el			

9. If both a machine network and a local network are present, press **«Advanced...»** to enter additional IP addresses for these networks.

Settings	DNS	WINS		
IP addre	sses			
IP add 192.1	dress 68.7.1		Subnet mask 255.255.255.0	
		<u>A</u> dd	Edit	Remove
De <u>f</u> ault g	gateway	/s:		1
Gatev 192.1	68.1.1		Metric Automatic	
		A <u>d</u> d	. Edi <u>t</u>	Remove
Autor	matic me	etric		
Interfac	te metric			

10. Press «**0K**».

- \Rightarrow The properties are saved.
- \Rightarrow The changes to the network connection properties are complete.



The server can be added to an existing domain.

3.6 Install MillMaster TOP software

3.6.1 Installation requirements



The MillMaster TOP and LZE-V software versions must be compatible.

The name of the installation file contains the corresponding LZE-V version: Loepfe MillMaster TOP/4.x.xxx.xxx/LZEVxxx.exe.

MillA	laster	LZE-V	LZE-III and LZE-II	INF AC338	INF AC5 and X5 and AC6
Version	Compatible		Ve	rsion	
4.0.10.467	≥ 4.0.10.467	5.7.16200.2	22/1	6 29	7 18
4.1.126.493	≥ 4.1.126.493	5.7.16228.4	2.5.0.11	6.30 6.31	7.40 7.55
4.3.508.528	≥ 4.3.508.528	5.8.xxxxx.x	2.0.0.11	0.01	1.00
4.4.xxx.xxx	≥ 4.4.xxx.xxx	5.8.xxxxx.x	_		

Table 4: MillMaster und LZE versions

3.6.2 Installation

Prerequisites

- ✓ The computer is connected to the Internet.
- ✓ Anti-virus software is turned off during installation.
- ✓ The following Microsoft software should be installed, or is installed during the installation:
 - .NET Framework 4.X.X
 - PostgreSQL
 - Internet Explorer 11
 - GoToAssist

1. Copy the Loepfe MillMaster Server Setup.exe file to the server.

- 2. Double-click on the Setup.exe file to open it.
 - ⇒ The «Loepfe MillMaster TOP Setup» window opens with the list of prerequisites.
- 3. Press «Next».
 - ⇒ Any missing software is installed.
- 4. Follow the remaining instructions.
 - ⇒ The «Welcome to the Loepfe MillMaster TOP Setup» wizard opens.
- 5. Follow the remaining instructions.
 - ⇒ The Loepfe MillMaster TOP Service opens.
- 6. Select the radio button for «Standard Loepfe MillMaster TOP Service User».



- 7. Press «Accept».
- 8. Follow the remaining instructions from the wizard.
 - ⇒ When the message «Loepfe MillMaster TOP installed successfully» appears, the installation is complete.
- 9. Close the wizard.
- ⇒ The Loepfe MillMaster TOP software is now installed.

3.6.3 Install additional client computers

The software can be installed on 3 additional client computers. Their IP addresses and computer names must be entered in the host file on the client computers and on the server.

Situation	Action
Network with DNS server	The IP address and hostname are added automatically.
Network without DNS server	Add the IP address and hostname to the server's host file.
2 network cards with fixed IP addresses	Add both IP addresses and both hostnames to the server's host file.

Table 5: Install client

1. In Windows Explorer, go to Windows\System32\drivers\etc to locate the host file.

File 1	Hutte Share View				
e	- + 🚺 + ThirPC + C	S(C) + Windows +	System32 > difvers >	ett	
	MiscostVev *	Nime	Dismisted	Typie	Size
1	ModernLegr	- North	10.04.2008.20.00	film	0.110
	OCR	anhosta.aam	38.10.2019-08.21	SAM File	-4 KB
(in)	Offline Web Pages	aetopiks	10.04.3105 23:00	1 Ger	1.63
-	Pacifier	C protocol	12/06/2009 23:50	1 m	.3 KE
	Performance	services	27.7020110827	10e	21 KB

- 2. Copy the file.
- 3. Open the copied file.

⇒ The IP address 127.0.0.1 and the hostname "localhost" are already present.

- 4. Enter IP address and computer name.
- 5. Save file. «File > Save.»
- 6. Save the file in the *etc* folder.
- 7. Open a command prompt.
- 8. At the cursor, type "ping" and the client IP address.

```
# localhost make resolution is handled within DNS itself.

# 127.0.0.1 localhost

11 localhost

127.0.0.1 localhost

132.100.1.5 TOPCUSTORERNAPEN

132.100.7.1 TOPCUSTORERNAPEN
```

- 9. Press Enter to confirm.
 - \Rightarrow The ping utility runs.
- ⇒ The result appears directly in the window.

Cl'Absuments and Estings Administrator ping 192,168.7.1	
ringing fractouches often at opten at materi	
Heply 3: Documents and Settings Addministratoryping 197.14 Heply Pinglog 197.168.7.1 with 32 Mytes of data: Heply Pinglog 197.168.7.1 with 32 Mytes of data:	68.7.t
Ping Reply From 192.168.7.1: bytes-12 time(ins TTL-128 Neply From 172.168.7.1: bytes-12 time(ins TTL-128 Physical from 172.168.7.1: bytes-12 time(ins TTL-128 Representation of the state of time(ins TTL-128 Representation of the state of time(ins TTL-128)	
C:\Dec ^P ing statistics for 192,188.7.1: Packets: Sent = 4, Received = 4, Lost = 8 OB: Nyproximate reand trip times in alli-seconds: Nislams = Obs. Nextown = Obs. Nextown = Obs.	loso).
Dispensents and Settings Ministrator Julys "Serve	erName"

3.6.4 Install MillMaster TOP Client

- ✓ The client computer is connected to the Internet.
- 1. Open a web browser, e.g. Internet Explorer.
- Enter http://ComputerName/mminstall/ in the address bar, e.g. with MMTOPLOEPFE01 for ComputerName.
- 3. Press Enter to confirm.
 - ⇒ The Loepfe MillMaster TOP Client Installation window opens.
- 4. Press «Download» to start the download.

roehie i	willimaster TOP® CI	ient Installation		
1. Click down	load			
2. Execute file	2			
Dow	mload			

- ⇒ If necessary, the .NET Framework 4.X.X software will be installed or updated.
- \Rightarrow The Loepfe MillMaster TOP FullClient icon is displayed on the screen.
- ⇒ The MillMaster TOP Client (Loepfe BDE Client) is installed.

4 Operation

4.1 System startup

4.1.1 Start and configure software

This menu is used to log in, register, set the user interface language, and start the software.

- 1. Start the software.
 - ⇒ The Room view opens.
 - ⇒ The login window opens.



2. Enter the username (admin) and password (Admin1).

 $\Rightarrow~$ The **«Registration»** window (for support services) opens.

- 3. Enter the requested information in the text boxes, using the (six-digit) Customer Number given in the delivery documents.
- 4. Press 🌐
 - ⇒ The «Language» window opens.
- 5. Select your language.
- 6. Confirm with «OK».
 - \Rightarrow The language changes.
- ⇒ The Loepfe MillMaster TOP software is started.

4.1.2 Configure MillMaster (TOP server)

This menu is used to modify the settings for the system and the server.

- 1. In the main menu, open *System > Settings > MillMaster*.
 - \Rightarrow The menu opens.
- 2. Press 💉 .
 - ⇒ The menu is activated and can be edited.
- 3. Change data if necessary.

Loepfe	ñ					Reference / 100 km (s
Data	> System > Settings > MillMaster					0:09:09
Dashboard	General		Room Over	view		
Monitoring	Timeout for automatic logoff	30 🕄 Minutes	Navigation targe	et on doubleclick	Dashboard	~
Quality	Navigation target on click at settings-changed-symbol	Data - Settings	Background ima	ges for room overview	-	
iettings LZE/INF	Convert clearer settings		1	2 3	4	5
Group Settings			-			
Analysis	Textile	P				
Reports	Units for produced amount	km/kg	Room name			1. Contraction (1. Contraction)
Lab Trends	Norm length	/ 100 km (scaled)	Loepfe	Heinz		
Management	Yam count unit	Ne	 Contraction 			
Articles	Unit for number of yarn twists	tw/m	Thresholds			
Clearer Settings	Database Backup		Article Name	`		
Lot.	Maximum number of daily backups	7 🙆	Lotname	•		
Dissociety Related	Maximum number of monthly backups	6 🙆	Transformer Kange		er 🖻 📕	100
Contract International	Backup path	C:\Program Files\Loepfe Milb	Neo Coto			
A A			loso Cuts		an 🖨	
Diagnosis ZIA	Database Interface Access	C	Short Cuts	~	50 0	196
Settings	IP Address	0, 0, 0, 0	Group State	~		
	Company Data					
	Customer number 000007	1	Estimated S	itorage Time		
	Company name Loepfe Bros.	(Shift data for 15 12 month(s) and 	Fyear(s), d	Week	12 month(s) and
	E-mail heinz rauner0	lipepte.com	1 week(s).			3 week(s).

4. Press 🗸 .

⇒ The data is saved.

 \Rightarrow The changes are activated and recorded.

4.1.3 Activate licenses and options

This menu can be used to enhance the software with options.

- ✓ The Loepfe.BDE.LicenseGenerator program has been installed.
- ✓ The request key is available.
- 1. In the main menu, open *System > Settings > Licenses*.
 - ⇒ All active and inactive options are listed under Functions.

C MillMaster TOP FullClient (at	dmin @ millmastertop)	e. Tup to 7200 spindles att 13122999 att 13122999 att 13122999 31122999 31122999 31122999 31122999 31122999 31122999 31122999 31122999			
Loepfe				Reference / 100 km (scaled)
Cooperation Cooperati	System > Settings > Licenses Features Basic 20 Machines Options Enable data collection up to 7200 spindles Lab Trend Plannig Baard Clearer Setting Assistant Yan fault images Report Configurator Fred (5) additional clients	Expiry date 31.12.0009 Expiry date 31.12.0009 31.12.0009 31.12.0009 31.12.0009 31.12.0009 31.12.0009	Request Request key IEXIKMHHM License Insert license code	/ 100 km (Save to clipboard OK	scaled)
Management Articles Clearer Settings Lot Planning Moard System Disgnosis A Settings	Custon Fields	31.12.0000			

- 2. Copy the request key shown under "Request" to the clipboard.
- 3. Open the Loepfe.BDE.LicenseGenerator program.
- 4. Paste in the request key.
- 5. Select the desired option(s).
 - ⇒ The license key is created.
- 6. Enter the license key in the text box and confirm with «OK».
- \Rightarrow The desired option is activated.

4.1.4 Add user

Depending on their responsibilities, users can be assigned to one of three specified user levels. The following table lists these user levels, which are active with the associated usernames after initial startup.

User level Group affiliation Group/Role	Username	Password	Permissions
Operator	operator	Operator1	View data Create reports View Trends View Management View System > Diagnosis View System > Settings
Foreman	foreman	Foreman1	View all data and information. Export data Create reports Edit Trends Edit and add to Management Edit System > Settings > Machines Edit System > Settings > MillMaster Edit System > Settings > Shift calendar View System > Diagnosis View System > Settings
Administrator	admin	Admin1	No restrictions

1. In the main menu, press System > Settings > User management.

⇒ The User Management menu opens.

- 2. Press 🖄
 - \Rightarrow The «Create new user» window opens.

Access data	
Name	URBAN
Password	
Confirm password	
Group affilation Goperator Operators are allowed allowed to modify sys	d to view runtime information, but are not tem settings
Group affilation Group affilation Operators are allowed allowed to modify sys Foreman MillMeetan TOP foreman	d to view runtime information, but are not tem settings
Group affilation Group affilation Operators are allowed allowed to modify sys Foreman MillMaster TOP forem export data and edit t modify system setting	d to view runtime information, but are not tem settings hans are allowed to review all information, trend settings, but they are not allowed to gs.
Group affilation Group affilation Gperator Operators are allowed allowed to modify sys Foreman MillMaster TOP forem export data and edit t modify system setting Administrator	d to view runtime information, but are not tem settings hans are allowed to review all information, trend settings, but they are not allowed to gs.

- 3. Enter login credentials in the text boxes.
- 4. Set the group affiliation/user level.
- 5. Confirm with «OK».
 - \Rightarrow The data is saved.
- \Rightarrow The user is added.

4.1.5 Configure basic group settings

The group settings are divided into different yarn clearer types.

- Zenit⁺
- Zenit
- Spectra

The group settings that are changed at the central unit are displayed in the software. However, these values are not automatically imported by the software.

Values	Properties
Unchangeable	 Settings from the central unit are automatically imported by the software Not displayed when creating a new lot Central unit settings are not displayed when downloading
Constant	 Settings can be entered under group settings, but are not displayed when creating a new lot Central unit settings are copied over when downloading a lot
Configurable	 Settings can be entered under group settings They are displayed when creating a new lot and can be modified/changed for this lot Central unit settings are copied over when downloading a lot

- 1. In the main menu, press *System > Settings > Basic settings*.
 - ⇒ The menu opens.

Loepfe				/ 100 km (scaled)
Data Dashboard Monitoring	> System > Settings > Basic Group Setting Zenit + Zenit	25 Value	7655	0:09:14
Quality	Optional Group Settings	VAUE	2001-	
tings LZE/INF	Drum Pulse Length	Do not modify		
up Settings	Reduction Fine Adjust	Configurable 👻	35 💽 %	
Analysis	Reduction Cone Change	Configurable 👻	25 🖬 %	
Reports	Bunch Monitoring	Constant 👻		
ab Trends	Threshold Static Yarn Signal	Constant 🛩	40 🖶 %	
nanement	Threshold Dynamic Yarn Signal	Constant 👻	25 🛃 %	
Articles	Fine Adjust Mode	Do not modify 👻		
une Cattions	Drift Limit Fine Adjust Continuous	Do not modify		
lot	Suction after Adjust	Constant		
cot .	TK Display Mode	Constant 👻	Class 🛩	
Surteen	Window Length	Do not modify 👻		
A	Drum Wrap Detection Mode	Do not modify 👻		
Castleres 21	Dust Compensation Speed	Do not modify 👻		
settings	Repetitive splice fault cleared	Do not modify 👻		
	F Clearing During Splice	Do not modify 👻		
	P Climate Compensation	Do not modify		

- 2. Select the tab for the desired «yarn clearer type»
- 3. Press 💉 .

 \Rightarrow The menu is activated and can be edited.

- 4. If necessary, enter values in the "Value" column.
- 5. If necessary, modify or remove settings under the yarn clearer type.
- 6. Press 🗸 .
 - ⇒ The data is saved.
 - ⇒ The menu closes.
- \Rightarrow The changes are recorded.

4.1.6 Custom reports

There are two ways to prepare reports: automatically-generated reports by default, or configuring custom reports (optional feature).

Automatic generated reports

The automatic generated reports are a selection of pre-defined reports. The individual customer's logo can be entered in the settings for each report, as well as the minimum production volumes for list reports and OffLimit reports. The user also selects the report language, the directory path, the wait time and the desired reports. Rooms can also be separated into various folders and saved. The reports can then be generated from the main menu under Analysis > Reports and printed out.

- 1. In the main menu, open *System > Settings > Generated reports*.
 - \Rightarrow The menu opens.

Loepfe	ô	Raference / 100 km (scaled)
Data	> System > Settings > Auto Report Generation	0.09-51
Data Dashboard Monitoring Quality Settingst 22/INF Group Settings Anatysis Reports Lab Trends Management Articles Clearer Settings Lot Planning Board System Diagnosis & Settings	> System > Settings > Auto Apport Generation General Report Settings Cutsomer logo for reports Minimum production amount (list reports) Ø Ø ø g Minimum production quantity for Offlimit Report 100 Ø tm per spindle Automatic Generated Reports Language Output path Chysters/Publics/Documents/Mi Waiting time for complete data 10 Ø Minutes Reports enabled for generation Ø Shin Report Off Limit Report (mechanic) Off Limit Report (mechanic) Create folder for each room	

2. Press 💉 .

 \Rightarrow The menus are activated and can be edited.

- 3. Under "General report settings", enter the customer logo and production volumes, for example.
- 4. Under "Automatically generated reports", select the language, directory path, wait time and desired reports, for example.
- 5. Press 🗸 .

 \Rightarrow The data is saved.

 \Rightarrow The changes are recorded.

Custom reports (optional feature)

The report configuration tool is used to create user-defined reports, with the report properties (list reports) set individually in the report settings. The reports can then be generated from the main menu under Analysis > Reports and printed out.

- 1. In the main menu, open *System > Settings > Custom reports*.
 - \Rightarrow The menu opens.

C MillMaster TOP FullClien	t (admin @ millmastertop)						- 1	o x
Loepfe	ñ						Reference / 100 km (s	icaled)
Data	> System > Settings > Report	Configurator					0:09:50	
Dashboard	Report Lists							2
Monitoring	5pindles	Groups	Lots/Articles	YarroCount	Lot/Shifts	Alarm/Shift		
Quality	Cuts	Cuts	Cuts	Cuts	Cuts	IPI Alarm		
Settings LZE/INF	D Cuts	D Cuts	D Cuts	D Cuts		Neps		X
Group Settings	P Cuts	P Cuts	P Cuts	P Cuts	P Cuts	Thin		
Analysis	Nep Cuts	Nep Cuts	Nep Cuts	Nep Cuts	Nep Cuts	2-4		
Reports	Short Cuts	Long Cuts	Short Cuts	Short Cuts	Long Cuts	□4-8 □8-20		
Lab Trends	Thin Cuts Splice Cuts	Splice Cuts	Thin Cuts Splice Cuts	Splice Cuts	Splice Cuts	20 - 70 Alarms		
Management	Splices	Splices	Splices	Splices	Splices	NSLT Startup		
Articles	Splice Rep.	Splice Rep.	Splice Rep.	Splice Rep.	Splice Rep.	OffCount		
Circuit and	Foreign Matter	Foreign Matter	Foreign Matter	Foreign Matter	Foreign Matter	Nep Cluster		
Clearer settings	F Cuts Bright	F Cuts Bright	F Cuts Bright	F Cuts Bright	F Cuts Bright	Short Cluster		
Lot	F Cluster Cuts Dark	F Cluster Cuts Dark	F Cluster Cuts Dark	F Cluster Cuts Dark	F Cluster Cuts Dark	Thin Cluster		
Planning Board	OffColor Cuts Dark	OffColor Cuts Dark	OffColor Cuts Dark	OffColor Cuts Dark	OffColor Cuts Dark	M VCV		
System	OffColor Cuts Bright	OffColor Cuts Bright Monitoring F Dark Events	OffColor Cuts Bright Monitoring F Dark Events	OffColor Cuts Bright OffColor F Dark Events	OffColor Cuts Bright Monitoring F Dark Events	F Cluster		
Diagnosis	Monitoring F Bright Events	Monitoring F Bright Events	Monitoring F Bright Events	Monitoring F Bright Events	Monitoring F Bright Events	F Startup		
Settings	D vcv	□ vcv	□ vcv	□ vcv		P Startup		
	SFI/D Cuts +	SFI/D Cuts +	SFI/D Cuts +	SFI/D Cuts +	SR/D Cuts +	OffColor		
	SFI/D Cuts -	SFI/D Cuts -	SFI/D Cuts -	SEVD Cuts -	SFI/D Cuts -	Class Alarm		
	VCV Cuts -	VCV Cuts -	VCV Cuts -	VCV Cuts -	VCV Cuts -	Threshold 1		
	Variance Like	Variance Like	Variance Like	Variance Like	Variance Like	Threshold 3		-
Ded. D	SFI/D	SR/D	SFI/D	SFI/D	SFI/D	Threshold 4	1.0	1222
Pind	19/30	19/30	19/30	19/30	19/30	14/25		

2. Press 💉 .

 $\,\Rightarrow\,$ The menu is activated and can be edited.

- 3. Under "List reports", modify selections e.g. under Spindles, Groups, Article/Lot, etc.
- 4. Press 🗸 .
 - \Rightarrow The data is saved.
- \Rightarrow The changes are recorded.

4.1.7 Add and edit shift calendar

- 1. In the main menu, press *System > Settings > Shift calendar*.
 - \Rightarrow The Shift calendar overview opens.

* Multilater t00 FullCliet (service 0 localed)	n ×																			
Loepfe	ô																		Reference / 100 km	(scaled)
Data	≻ Syster	m ≻ Settin	igs > S	hift Cal	endar														0:09:42	
Dashboard	Shift	t Cycles																		
Monitoring		07:00	~	1	15:00	~	#	23:00	1		~	#	 ~	#		~	#			\checkmark
Quality	2	06:00	~	#	14:00	~	#	22:00	-	•	v	#	÷	#		~	#			
Group Settings	3	06:00	•	#	14:00	~	#	22:00	-		v	#	v	#		•	#			
Analysis		06:00	~	-	14:00	~	#	22:00	-		v	#	~	#	4	•	1			
Reports	5	06:00	~	#	14:00	*	#	22:00	-	1	~	#	v	-		•	#			
Lab Trends	6	06:00	~	#	14:00	*	#	22:00	-		v	#	v	#	-	•	#			
Management		06:00	•	#	14:00	*	#	22:00	#		v	#	~	etta	4	~	#			
Articles							-			_				-						
Clearer Settings	Wee	k View		-																
Lot Planning Board	Monda	вy				07:00		15:00		23:00	3				0					
System	Tuesda	ey.			•	07:00		15:00		23:00	3									
Diagnosis	Wedne	esday		1	1 ~	07:00		15:00		23:00	5		\$		74					
Settings	Thursd	iay		1	•	07:00		15:00		23:00	9		2		1					
	Friday					07:00		15-00		22.00										
	maay			H		1														
	Saturd	ay				07:00		15:00		23:00	-									
Find 9	Sunday	Y		1	• •	07:00		15:00		23:00			3		28					

2. Press 💉 .

 $\Rightarrow\,$ The menu is activated and can be edited for the specified editing time.

Shift calendar	Properties
Shift cycles	 set a maximum of 7 different shift cycles set a maximum of 3 user-defined shifts per day a shift may last up to 12 hours max time can be set in 15-minute increments
Week view	 Choose the desired distribution: distribute shift cycles over an entire week or one shift cycle can be assigned multiple times

4.1.8 Connect and add machines

This menu is used to connect machines to the software and add them.

1. Press the Loepfe company logo.



- ⇒ The Main view opens.
- \Rightarrow No data are displayed because no data have been added yet.
- 2. In the main menu, open *System > Settings > Machines*.



- ⇒ The *Settings > Connected machines* menu opens.
- \Rightarrow No data are displayed because no data have been added yet.

C MillMaster TOP FullClient (s	service @ localhost)							-		<
Loepfe	ô							Referenc / 100 k	a m (scaled)	
Data Dathoard Monitoring Quality Settings LZE/INF Group Settings Lab Trends Management Articles Clearer Settings Lot Planning Board System Diagnosis Settings	System > Settings > Machines Connected Machines Mach. Host name R	Generation	Machine type	Version	Spindles IP	Address R	Hin MAC Address	de disabled machines		
Find R										J

- - $\Rightarrow~$ The **«Found machines»** window opens.

Host laine	IP Address	Generation	Version	Last Ufesign		
Lysithee	192.168.206.18	LZEII	1337	06.09.2017 11:04:09	Connect	
Himalia	192.168.206.38	LZENI	1337	06/09/2017 11:04:09	Connect	
Themisto	192,168,206,24	LZEN	13.37	06.09.2017 11:04:09	Connect	

- All winding machines with LZE-V and Informators and that are connected to the data system are displayed.
- ⇒ Note: Use the **«Search for LZE-III**» button to search for winding machines with LZE-III units.
- \Rightarrow If no machines are shown, add them manually or check the connection data.
- 4. Select the desired machine and press «Connect».
 - \Rightarrow The **«Connect to new machine»** window opens.

Nigelay		Sections	Sections			
Machine No.		Frection cores	Fest specta	Last spindle	Serving haada	
Color	•	U	1 100	1.00	Spectra \$30 •	
Capabilities		5				
Seneration	128-8/91					
P Address	102.166.206.28					
Capulation						
Austine type		2				
ipindes	0	Det				
ink machine	D					
ab/Pack	0					

- 5. Enter values in the input fields, making sure to fill in the machine parameters and sections.
- 6. Press «Add section».
 - \Rightarrow The machine is connected to the software.
- 7. Check that the desired machine is listed in the menu.
- \Rightarrow The desired machine has been added.

Symbol	Machine statuses	es Meaning	
	Reachable	Unrestricted communication with the data system	
	Reachable	Cannot communicate with machine because data transfer has not yet occurred or because multiple different configurations are present.	
	Not reachable	Communication with data system interrupted	

Table 6: Machine statuses

4.1.9 Update software

- ✓ The update service is reachable.
- 1. In the main menu, press System > Settings > Software update.
 - \Rightarrow The menu opens.

Loepfe		rence 00 km (scaled)
Data Data Data Data Data Data Data Data	> System > Settings > Software Update Installed MilMaster TOP software versions 2404.11306.2 Demo	
Find		

- 2. Select the software version.
- 3. Download the desired version.
- 4. Double-click on the Setup.exe file to open it.
 - ⇒ The «Loepfe MillMaster TOP Setup» window opens with the list of prerequisites.
- 5. Press «Next» to start the download.
- 6. Follow the remaining instructions.
 - $\Rightarrow~$ The "Welcome to the Loepfe MillMaster TOP Setup" wizard opens.
- 7. Follow the instructions in the wizard.
- 8. Close the wizard.
- \Rightarrow The software or an update is now installed.



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