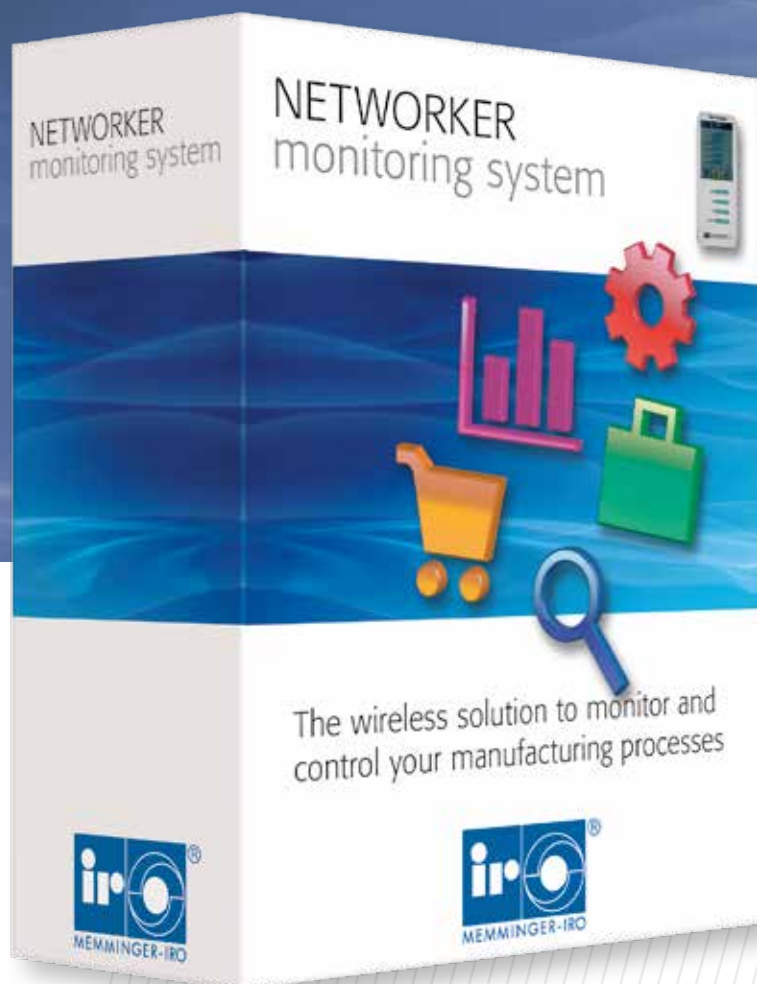


NETWORKER MONITORING SYSTEM



The wireless solution to monitor and control your knitting process

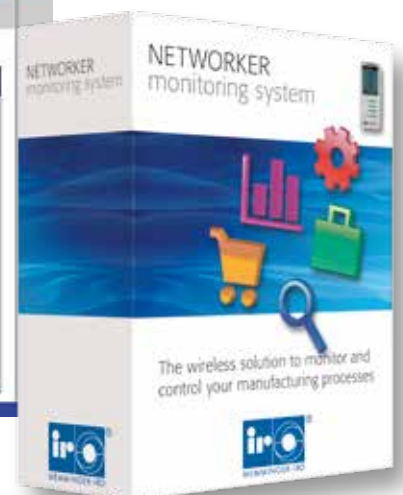
NETWORKER MONITORING SYSTEM

Description of the System

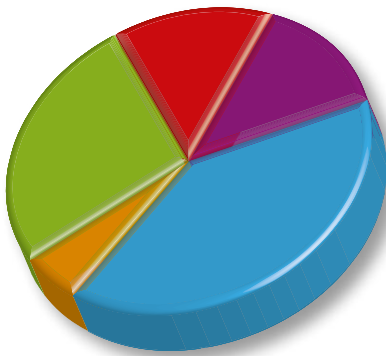
- The NETWORKER MONITORING SYSTEM is a complete system to control production and programming of the machine parameters.
- This package is composed by the NETWORKER MONITORING SOFTWARE which collects data from the machines, shows real time status, stores information in a data base, offers different statistical views, handles articles, orders and supports production management.
- All information is accessible by standard Internet browser available on every PC, smartphone or tablet PC.
- The NETWORKER MACHINE PANEL is a touch panel which is easy to connect to all types and brands of machines. It permits the WIFI of the Knitting machine to the NETWORKER MONITORING SOFTWARE which is installed on a server PC.



ID	Order	Article	Details	Status	Target	Progress	No. of Rows	Speed	Time	Check	Log
38	81001	[19-03-21-11]	8110	Details	Run	1000000	25%	1750	22 Rpm	---	Log
48	81102	[19-03-19-01]	8110	Details	Error	800	0%	3-12	8 Rpm	Unstable	Log
2	81103	[12-03-21-57]	811	Details	Run	14814000	34%	2750	8 Rpm	---	Log
6	8125	[11-02-18-21]	8118	Details	Run	13724000	20%	111	10 Rpm	---	Log
22	8154	[12-03-0-15]	8158	Details	Run	13051700	19%	8145	20 Rpm	---	Log
28	8123	[12-03-21-18]	811	Details	Stop	92750	0%	373	0 Rpm	---	Log
29	8189	[13-03-15-00]	811	Details	Run	24810740	10%	12120	25 Rpm	---	Log
21	---	[11-02-18-00]	---	Details	Run	13724000	24%	1112	20 Rpm	---	Log
10	8128	[12-03-0-08]	8117	Details	Run	11931800	13%	3112	16 Rpm	---	Log
8	---	---	---	Details	Run	24814000	5%	---	18 Rpm	---	Log
21	81254	[12-03-0-00]	8118	Details	Error	12154000	20%	8139	0 Rpm	Unstable	Log
12	8128	[12-03-21-17]	811	Details	Stop	8080000	30%	12120	0 Rpm	---	Log
24	---	---	---	Details	Run	12424000	30%	---	13 Rpm	---	Log

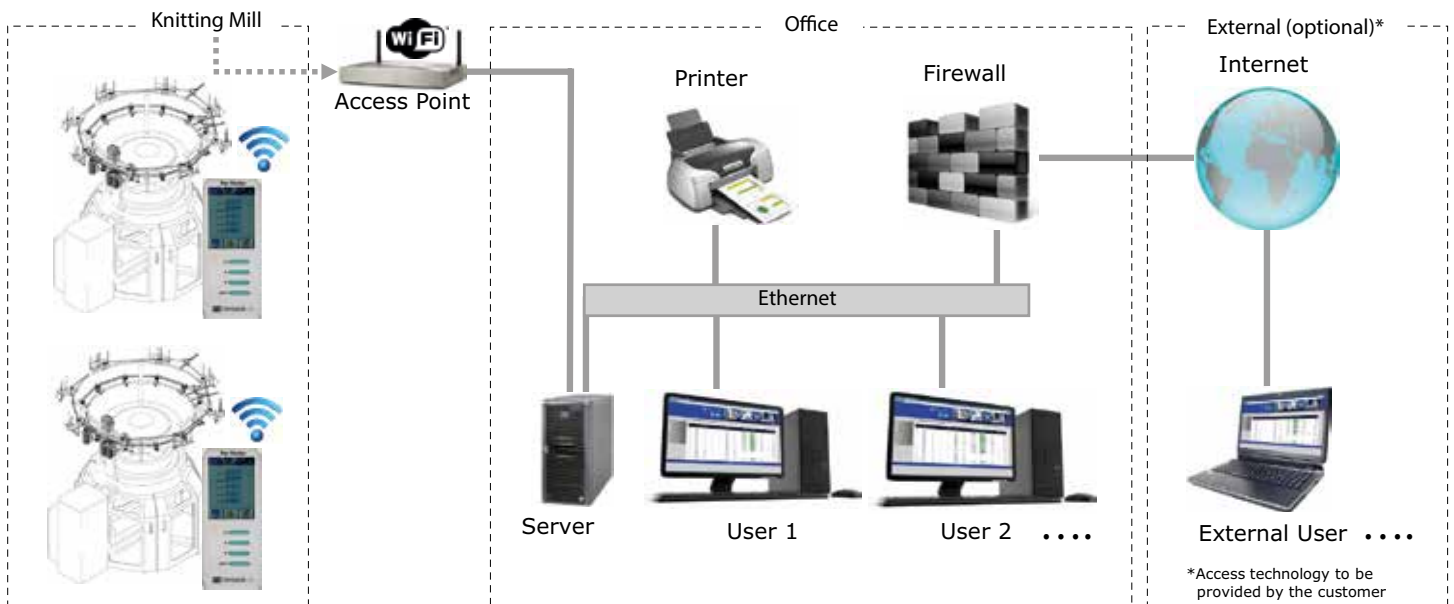


Key Points



- The wireless solution to monitor and control your manufacturing process
- Independent of machine type and manufacturer
- NETWORKER SYSTEM can be accessed through standard web browser
- no additional software installation on the user PC
- platform independent

Solution Overview



NETWORKER MONITORING SYSTEM

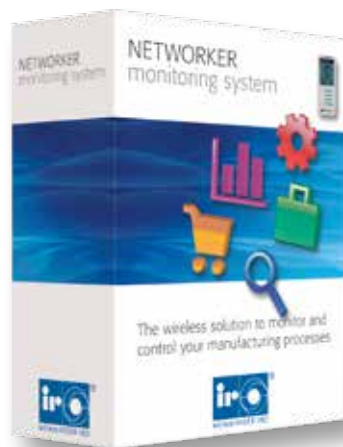
Function

- The data base and WEB server is installed on the server PC. If this PC is available with a Public IP address, it is possible to watch the data from everywhere by a standard internet browser (external option: access technology to be provided by the customer).
- The status of the knitting factory is displayed e.g.:
 - Run, stop, error, speed and revolution counter
 - By selecting menu "Statistics" there is the possibility to show and print the production history of each machine.
 - By selecting "Log" Data logs of the events will be shown.
 - By selecting "Details" actual setting of the machine LFA, takedown, speed, etc. will be displayed.

Components

Machine Panel

Each machine which should be connected to the network needs one NETWORKER MACHINE PANEL. The NETWORKER MACHINE PANEL will be connected to the network via WIFI. Each unit has its own IP address which can receive and transmit information. All information, coming from the machine is collected in the NETWORKER MACHINE PANEL and sent from there via an access point to a server PC.




The NETWORKER MONITORING SOFTWARE

The NETWORKER MONITORING SOFTWARE is installed on a server PC to scan the machine information via the MACHINE PANEL. The data is saved in a SQL data base.

The software gives an overview about the actual situation in the knitting room as well as about progress of orders, machine efficiency, available machines, machine down time statistics and other statistics.



NETWORKER MONITORING SOFTWARE consists of the following modules:

-  Machine room
-  Articles
-  Statistics
-  Set up
-  Orders
-  Operator



Connection Box

The connection box is set between knitting machine and NETWORKER MACHINE PANEL. It is prepared for input connection of:

- positive feeders such as MPF
- elastane feeders like MER
- target stop
- LFA Option

The connection box is connected to the NETWORKER MACHINE PANEL with one cable.



LFA Option (Loop/Stitch Length Measurement)

Yarn consumption measuring wheels are necessary to give the information of the yarn consumption of the different belts to the NETWORKER MONITORING SYSTEM. With this information the system can calculate the weight of the produced fabric. Furthermore the system will warn the operator if the yarn consumption is out of preset tolerance. The LFA option consists of MRT IP devices to measure the yarn consumption of the positive feeders for non-elastic yarns as well as for bare elastane.



Access to your data from everywhere

Web browser based software to show the data on different workstations via intranet or internet.

Label Print Option

Labels for each roll can be printed. After weighing, the real weight of each roll can be entered into the NETWORKER MONITORING SOFTWARE. The content of the label can be created individually during set up.

NETWORKER MONITORING SYSTEM

Machine Room

Knitting Network - Home page

Graphical View

ID	Order	Article	Details	Status	Target	Progress	No. of Rolls	Speed	Error	Check	Log
1	---	---	---	Details	Run	2187/4550	48%	---	24 Rpm	---	---
2	40876 [02-10 13:48]	5267	Details	Run	3605/5100	71%	5 / 12	22 Rpm	---	---	---
3	40914 [03-10 18:52]	5326	Details	Run	1091/4000	27%	3 / 20	24 Rpm	---	---	---
4	40875 [03-10 20:56]	544	Details	Run	4525/4900	92%	13 / 28	24 Rpm	---	---	---
5	---	---	---	Details	Stop	1/4450	0%	---	0 Rpm	---	---
6	---	---	---	Details	Run	391/3900	10%	---	24 Rpm	---	---
7	---	---	---	Details	Run	596/2600	23%	---	26 Rpm	---	---
8	40852 [02-10 7:50]	5332	Details	Run	3127/3900	80%	12 / 20	24 Rpm	---	---	---
9	---	---	---	Details	Stop	0/3	0%	---	0 Rpm	---	---

Machine Room:

The machine room is the homepage of the application. It consists of a list showing all machines in the system. This page gives an overview about the actual status in real time of the production facility. Information shown on this page can be defined by the user.

For instance the table can show machine details such as starting time, order name, article name, the actual machine status, already produced number of fabric rolls, order status in graphical view and others. For each defined order the system will show the expected time to complete the order.



Graphical View:

This is the machine room in graphical view mode. It can be displayed also in a full screen mode to monitor on an individual screen. Each icon represents a machine to which the operator can assign a colour similar at the real colour of the machine.

Depending on actual machine status the border colour of the icon will change: green - RUN, red - ERROR, blue - STOP and gray - OFFLINE. If you move the mouse over each icon a popup-menu will be shown to display the information of the selected machine.

Logs of Events - Machine: 6			
Period	Start Date	End Date	
Event	<input type="checkbox"/> Stop	<input type="checkbox"/> Offline	<input type="checkbox"/> Run <input type="checkbox"/> Error
<input type="button" value="Confirm"/>			
Date/Time	Events	Comment	Lap [Fabric - Order]
26-09-2012 08:11:47	OFFLINE		0
25-09-2012 20:03:54	RUN		2 [0016* - 40864]
25-09-2012 20:03:36	STOP		1 [0015* - 40864]
25-09-2012 19:43:41	ERROR	Target achieved	0 [0015* - 40864]
25-09-2012 17:01:06	RUN		4 [0015* - 40864]
25-09-2012 17:00:30	STOP		1 [0014* - 40864]
25-09-2012 16:59:54	ERROR	Target achieved	0 [0014* - 40864]
25-09-2012 14:17:50	RUN		15 [0014* - 40864]

Log of Events:

This page shows an event log for each machine. Every event that happened on the machine is registered in the data-base and displayed with date, type and description. It also shows in which revo-

lution of the fabric roll the event happened including the reference of order and corresponding fabric number. A search system is implemented which allows to search by date and for type of event. The software is able to record changes

of status of the machine (RUN, STOP, ERROR, PROGRAM, ONLINE), changes of work shift, parameter changes and others.

Check - Machine: 10		
Home		
	Article	Machine
	cm/rev	cm/rev
Yarn consum. 1	753	753
Yarn consum. 2	0	0
Yarn consum. 3	748	743
Yarn consum. 4	0	0
Yarn consum. 5	432	430
Yarn consum. 6	0	0
Speed RPM	28	0
Takedown %	0	0
Target	1900	1900

Tolerance: 10			
Yarn consum.	51	%	Disable <input checked="" type="checkbox"/>
Speed	10	%	Disable <input type="checkbox"/>
Takedown	10	%	Disable <input type="checkbox"/>
<input type="button" value="Confirm"/>			

Check:

The "check" page is accessible from a link in the machine room. This page shows a comparison in real time between the data defined in the article and the actual data obtained from the machine. In case the data differs and / or does not meet the predetermined tolerance it will be highlighted in red to warn the user about abnormalities. The tolerance can be defined for yarn consumption, for speed and takedown.

NETWORKER

MONITORING SYSTEM



Articles | Edit

Articles

Article Feeds Disposition Mechanical and Production

Article Code: 2045

Description: Felpa

Barcode:

Created: 2013-03-27 - 11:47:30

Modified: 2013-03-27 - 11:50:36

Choose the machine: 27

Confirm

Category:

ID: 27 Machine:

Gauge: 22

Diameter: 30

No. of Feeds: 90

Belt	Count	Unit	Description	Code	% Fibre	No. of Feeds	Yarn consum. mm/100nds
1	8	Ne	Cotton	FCJ008	21 %	15	158
2	30	Ne	Polyster	FCXM030	31 %	30	453
3	8	Ne	Cotton	FCJ008	21 %	15	158
4	30	Ne	Lycra	FCX031	28 %	30	398
5		Nm			%	0	0
6		Nm			%	0	0

Collect data from machine

Save

Print

Cancel

Article / Edit:

Use the first tab to insert some information like name and description. The machine on which the article will be knitted can be selected. Up to 6 belts can be accessed and technical parameters could be entered. This data allows to calculate the theoretical weight of the fabric.

The second tab (feed disposition) allows to enter the feed disposition. It is possible to choose up to 16 feeds and up to 3 yarns per feed to match the pattern which is setup for this article.

The third tab (mechanical and production) contains all technical fields descriptive for the machine. In addition there

are two buttons that allow to calculate the weight of the fabric or how many machine revolutions are necessary to produce a certain quantity of knitted fabric.

Article List

[Home](#) | [New](#) | [Search](#)

All - 1.. - 3.. - 4.. - 5.. - 6..

Article Code	Description	Machine	Status		
5008	Single Jersey	6 -	Standby		
5071	Interlock	2 -	Standby		
5228	Rib	6 -	Standby		
5170	Interlock	14 -	Standby		
5205	Single Jersey	2 -	Standby		
5267	Interlock	14 -	Standby		
5326	Interlock	3 -	Standby		
5027	Rib	5 -	Standby		
5332	Pique	8 -	Standby		
544	Rib	4 -	Standby		
5017	Single Jersey	13 -	Running		
5308	Pique	8 -	Standby		
582	Pique	4 -	Running		
5327	Interlock	3 -	Standby		
5038	Single Jersey	13 -	Standby		
5218	Interlock	2 -	Standby		
565	Double Jersey	8 -	Running		
5295	Interlock	14 -	Standby		
5245	Pique	8 -	Standby		
5143	Interlock	2 -	Standby		

Page 1

Confirm

Article List:

The list of items in the system is represented by a table that shows the code and the description of the article, the production machine and the status. As long as the article is not in production, parameters can be edited or the complete article can be changed. A search function is included.

NETWORKER MONITORING SYSTEM



Statistics

	Order	Start Date	End Date	Revs	No. of Rolls	Working Time	Stop Time	Average Speed	Weight (kg)	No. of Events	Efficiency		
Order	40817 (*)	17-09-2012	24-09-2012	98.148	50	54h 50m	15h 38m	29.8	1254.8	293	78	<div><div></div></div>	
	40883	24-09-2012	24-09-2012	4.019	3	0h 32m	2h 58m	125.8	51.4	12	15	<div><div></div></div>	
	40884	24-09-2012	24-09-2012	4.000	2	2h 11m	0h 17m	30.5	51.1	7	88	<div><div></div></div>	
	40889	24-09-2012	25-09-2012	7.038	4	4h 01m	0h 44m	29.2	90	44	84	<div><div></div></div>	
	40867	25-09-2012	---	14.448	7	7h 55m	2h 08m	30.4	184.7	29	79	<div><div></div></div>	
(*) Invalid start/end date!													
Report	Start Date : 18-09-2012										Shift : All Shifts		
End Date : 05-10-2012													
	Order	Shift	Revs	No. of Rolls	Working Time	Stop Time	Average Speed	Weight (kg)	No. of Events	Efficiency			
Total	-	All	123.337	78	66h 40m	23h 47m	30.8	1562.4	390	74	<div><div></div></div>		
Shift Subtotal	-	1	58.535	38	32h 26m	10h 36m	30.1	734.4	197	75	<div><div></div></div>		
	-	2	64.802	40	34h 13m	13h 10m	31.6	828	193	72	<div><div></div></div>		
05-10-2012	40867	2	7	0008*	00h 00m	01h 02m	-	0.1	1	1	<div><div></div></div>		
25-09-2012	-	1	1.094	0035*	00h 03m	00h 13m	364.7	0	7	18	<div><div></div></div>		
	40867	2	422	0008*	00h 13m	00h 02m	32.5	5.4	2	84	<div><div></div></div>		
	40867	2	2.000	0007*	01h 05m	00h 07m	30.8	25.6	3	90	<div><div></div></div>		
	40867	2	2.000	0008*	01h 05m	00h 13m	30.8	25.6	4	83	<div><div></div></div>		
	40867	2	2.000	0005*	01h 05m	00h 05m	30.8	25.6	5	93	<div><div></div></div>		
	40867	2	2.000	0004*	01h 05m	00h 10m	30.8	25.6	5	86	<div><div></div></div>		
	40867	2	2.006	0003*	01h 06m	00h 06m	30.4	25.6	4	91	<div><div></div></div>		
	40867	2	350	0002*	00h 11m	00h 14m	31.8	4.5	2	44	<div><div></div></div>		
	40867	1	1.850	0002*	00h 54m	00h 01m	30.6	21.1	1	98	<div><div></div></div>		
	40867	1	2.000	0001*	01h 05m	00h 03m	30.8	25.6	2	94	<div><div></div></div>		
	40889	1	1.038	0004*	00h 34m	00h 06m	30.5	13.3	6	86	<div><div></div></div>		
	40889	1	2.000	0003*	01h 06m	00h 11m	30.3	25.6	9	85	<div><div></div></div>		
	40889	1	2.000	0002*	01h 05m	00h 10m	30.8	25.6	12	87	<div><div></div></div>		
	40889	1	1.545	0001*	00h 58m	00h 11m	28.6	19.8	10	84	<div><div></div></div>		
24-09-2012	-	2	39	0035*	00h 03m	01h 25m	13	0	9	4	<div><div></div></div>		
	-	1	0	0035*	00h 00m	01h 00m	0	0	1	0	<div><div></div></div>		
	40817	1	0	0050*	00h 00m	03h 50m	0	0	1	0	<div><div></div></div>		
	40883	2	19	0003*	00h 01m	00h 01m	19	0.2	0	50	<div><div></div></div>		
	40883	2	2.000	0002*	00h 24m	00h 43m	83.3	25.6	11	36	<div><div></div></div>		
	40883	2	2.000	0001*	00h 06m	02h 13m	333.3	25.6	1	5	<div><div></div></div>		
	40884	2	2.000	0002*	01h 05m	00h 13m	30.8	25.6	4	83	<div><div></div></div>		
	40884	2	2.000	0001*	01h 06m	00h 03m	30.3	25.6	3	94	<div><div></div></div>		
	40889	2	455	0001*	00h 15m	00h 05m	30.3	5.8	7	75	<div><div></div></div>		

Statistics

The user can select the different options in the drop-down menu for a individual selected time period with options as follows:

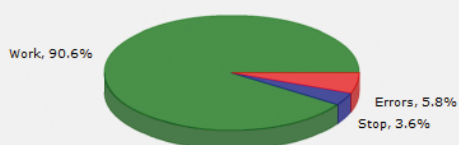
- all machines
- individual machine
- machine group
- operator

The upper part shows a statistic with orders, the bottom part shows the statistic of a selected machine with the corresponding orders. Besides the information about number of rolls, working time, stop time and number of events one can also get the information about the efficiency. Each page can be printed and exported to Excel.

Also a stop statistic for each stop reason can be generated. It can be displayed as graph and table view.

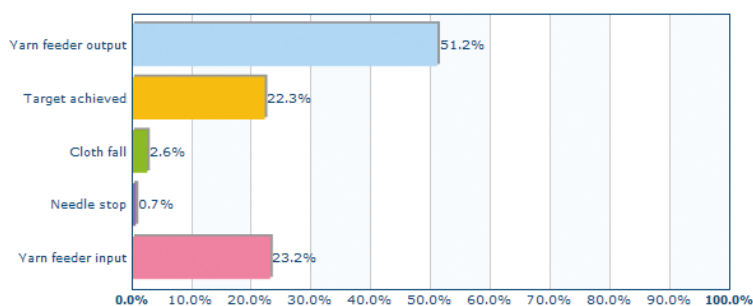
Details Order: 40875

Working Chart




	Description	Total Duration	Percentage	Error Time %	No. of Events
Work	Work	04h 22m 26s	90.5%	---	---
Stop	Stop	02h 06m 16s	3.6%	---	---
Errors	Yarn feeder output	01h 43m 59s	5.8%	51.2%	27
	Target achieved	00h 45m 20s		22.3%	16
	Cloth fall	00h 05m 15s		2.6%	3
	Needle stop	00h 01m 25s		0.7%	2
	Yarn feeder input	00h 47m 05s		23.2%	18

Error Time



Statistics:

By pressing the info button  in the row of an order you get more details and a pie chart that distinguishes the percentage of working hours, machine down time and machine down time due to error messages. There are two histograms representing the percentage

of time for each order of each event (in relation with all events) and the number of times each error happened.

Stop Statistics:

A separate stop statistic can be generated for each stop reason individually. This can be displayed either as graph with stop time in total or per machine

with number of stops and total stop time. The time period for this stop statistic can be selected as well.

NETWORKER

MONITORING SYSTEM



Setup

Setup - User privileges

User privileges				
Machine Room	<input checked="" type="checkbox"/> View	<input type="checkbox"/> Modify	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
Articles	<input checked="" type="checkbox"/> View	<input type="checkbox"/> Modify	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
Registry	<input checked="" type="checkbox"/> View	<input type="checkbox"/> Modify	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
Orders	<input checked="" type="checkbox"/> View	<input type="checkbox"/> Modify	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
Stock	<input type="checkbox"/> View	<input type="checkbox"/> Modify	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
Archive	<input type="checkbox"/> View	<input type="checkbox"/> Modify	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
Statistics	<input checked="" type="checkbox"/> View	<input type="checkbox"/> Modify	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
Log	<input type="checkbox"/> View	<input type="checkbox"/> Modify	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete

Confirm

Setup – User Privileges:

This menu allows to set privileges. It is only accessible by the administrator. For several menus the administrator defines who is allowed to view, edit, modify or delete data in the different main menus.

Shift

Setup shifts | Delete all shifts

Shift	Shift 1	Shift 2	Shift 3	Shift 4	Shift 5	Shift 6	Edit
Monday	07.00 - 14.00	14.00 - 22.00	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Tuesday	07.00 - 14.00	14.00 - 22.00	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Wednesday	07.00 - 14.00	14.00 - 22.00	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Thursday	07.00 - 14.00	14.00 - 22.00	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Friday	07.00 - 14.00	14.00 - 22.00	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Saturday	07.00 - 14.00	14.00 - 22.00	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sunday	07.00 - 14.00	14.00 - 22.00	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

Setup – Shift:

In this menu working shifts can be determined independently for each day. Up to 6 shifts are available.

Registry | Edit

Registry

ID *:	8
ID Name *:	3
IP Address *:	192.168.1.3
Manufacturer *:	
Model *:	
Year:	2010
Diameter *:	30
Gauge *:	20

Registration Number:	102048
Dial Needle Code:	
Dial Needle Supplier:	
Cylinder Needles Code:	
Cylinder Needles Supplier:	
Cam 1:	
Cam 2:	
Cam 3:	
Cam 4:	
Cam 5:	
Cam 6:	
Cam 7:	
Cam 8:	
Maintenance Interval (hours):	5200 <input type="button" value="Reset"/>
Oil Type:	
Total Hours:	13 252
Total Revolutions:	15 902 402

Setup – Machine Registry:

In this menu the administrator creates machines which will be linked to the NETWORKER MONITORING SOFT-

WARE. It is possible to enter several parameters and descriptive text, e.g. single or double jersey machine, manu-
facturer, model, information about need-

les and cams and etc. Also the colour can be defined in which the machine appears in the graphical view of the machine room.

NETWORKER

MONITORING SYSTEM



Order List

Home | New | Search

Machine

Article

Customer

Status

Running ☐

In queue ☐

Completed ☐

Period

Start Date




End Date

Confirm

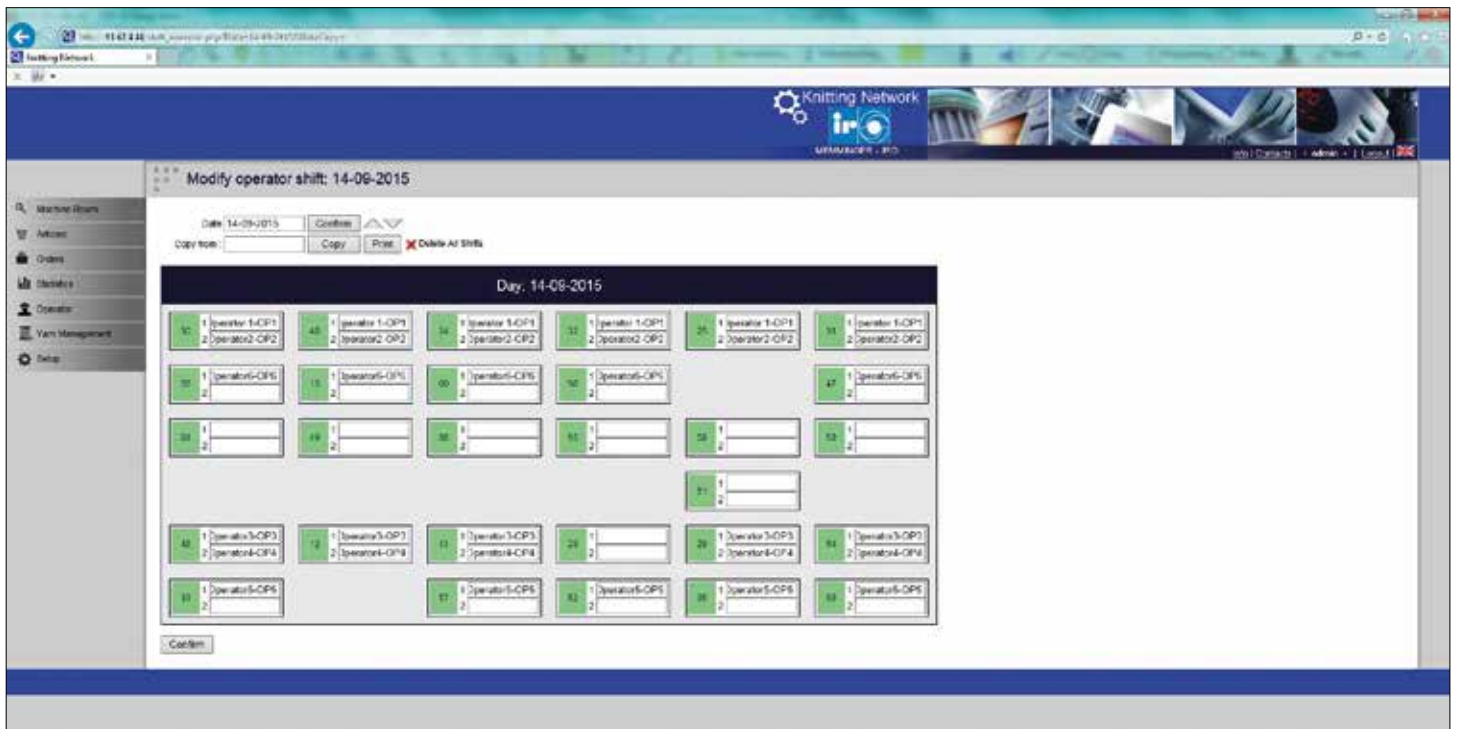
Status	Order Code	Description	Customer	Article	Machine	Weight (kg)	Start Date	End Date
Standby	40902-abcdef			40R - Jersey Elasticizzato	---	75	---	---
In queue	40901			40R - Jersey Elasticizzato	48 -	100	26-09-12	26-09-12
In queue	40898			4182 - Jersey Elasticizzato	47 -	791.12	28-09-12	05-10-12
In queue	40892			40R - Jersey Elasticizzato	24 -	375	02-10-12	04-10-12
In queue	40893			365 - Felpa invisibile	25 -	650	26-09-12	28-09-12
In queue	40895			446 - Jersey	40 -	150	30-11-99	27-09-12
Running	40899			40R - Jersey Elasticizzato	48 -	125	25-09-12	08-10-12
Running	40890			484 - Jersey	44 -	1950	25-09-12	24-10-12
Running	40885			5326 - Intertex	3 -	325	25-09-12	10-10-12

Order List:

The order page shows a list of all the jobs in the system. These orders are shown in a table that allows the sorting of all its columns. The columns are present status (standby, in queue, running, completed), order code, description, customer, article, machine, weight, start and estimated finish dates.

The order can be changed by clicking the appropriate symbol  on the right side of each order. Only orders in standby can be changed. If an order is completed it gets an icon  which leads directly to the statistics. All orders which are in “running” status have a magnifying glass  which leads to more detailed information e.g. about the progress.

Operator Management



The screenshot displays the 'Modify operator shift: 14-08-2015' interface. It includes a date selector (14-08-2015), a 'Confirm' button, and a 'Copy from' field. Below these is a grid of shift assignments for the day 14-08-2015. The grid is organized into rows and columns, each representing a specific shift and operator assignment. The grid contains the following data:

Shift	Operator 1	Operator 2
1	Operator 1-CP1	Operator 2-CP2
2	Operator 1-CP1	Operator 2-CP2
3	Operator 1-CP1	Operator 2-CP2
4	Operator 1-CP1	Operator 2-CP2
5	Operator 1-CP1	Operator 2-CP2
6	Operator 1-CP1	Operator 2-CP2
7	Operator 1-CP1	Operator 2-CP2
8	Operator 1-CP1	Operator 2-CP2
9	Operator 1-CP1	Operator 2-CP2
10	Operator 1-CP1	Operator 2-CP2
11	Operator 1-CP1	Operator 2-CP2
12	Operator 1-CP1	Operator 2-CP2
13	Operator 1-CP1	Operator 2-CP2
14	Operator 1-CP1	Operator 2-CP2
15	Operator 1-CP1	Operator 2-CP2
16	Operator 1-CP1	Operator 2-CP2
17	Operator 1-CP1	Operator 2-CP2
18	Operator 1-CP1	Operator 2-CP2
19	Operator 1-CP1	Operator 2-CP2
20	Operator 1-CP1	Operator 2-CP2
21	Operator 1-CP1	Operator 2-CP2
22	Operator 1-CP1	Operator 2-CP2
23	Operator 1-CP1	Operator 2-CP2
24	Operator 1-CP1	Operator 2-CP2
25	Operator 1-CP1	Operator 2-CP2
26	Operator 1-CP1	Operator 2-CP2
27	Operator 1-CP1	Operator 2-CP2
28	Operator 1-CP1	Operator 2-CP2
29	Operator 1-CP1	Operator 2-CP2
30	Operator 1-CP1	Operator 2-CP2
31	Operator 1-CP1	Operator 2-CP2
32	Operator 1-CP1	Operator 2-CP2
33	Operator 1-CP1	Operator 2-CP2
34	Operator 1-CP1	Operator 2-CP2
35	Operator 1-CP1	Operator 2-CP2
36	Operator 1-CP1	Operator 2-CP2
37	Operator 1-CP1	Operator 2-CP2
38	Operator 1-CP1	Operator 2-CP2
39	Operator 1-CP1	Operator 2-CP2
40	Operator 1-CP1	Operator 2-CP2
41	Operator 1-CP1	Operator 2-CP2
42	Operator 1-CP1	Operator 2-CP2
43	Operator 1-CP1	Operator 2-CP2
44	Operator 1-CP1	Operator 2-CP2
45	Operator 1-CP1	Operator 2-CP2
46	Operator 1-CP1	Operator 2-CP2
47	Operator 1-CP1	Operator 2-CP2
48	Operator 1-CP1	Operator 2-CP2
49	Operator 1-CP1	Operator 2-CP2
50	Operator 1-CP1	Operator 2-CP2
51	Operator 1-CP1	Operator 2-CP2
52	Operator 1-CP1	Operator 2-CP2
53	Operator 1-CP1	Operator 2-CP2
54	Operator 1-CP1	Operator 2-CP2
55	Operator 1-CP1	Operator 2-CP2
56	Operator 1-CP1	Operator 2-CP2
57	Operator 1-CP1	Operator 2-CP2
58	Operator 1-CP1	Operator 2-CP2
59	Operator 1-CP1	Operator 2-CP2
60	Operator 1-CP1	Operator 2-CP2
61	Operator 1-CP1	Operator 2-CP2
62	Operator 1-CP1	Operator 2-CP2
63	Operator 1-CP1	Operator 2-CP2
64	Operator 1-CP1	Operator 2-CP2
65	Operator 1-CP1	Operator 2-CP2
66	Operator 1-CP1	Operator 2-CP2
67	Operator 1-CP1	Operator 2-CP2
68	Operator 1-CP1	Operator 2-CP2
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78	Operator 1-CP1	Operator 2-CP2
79	Operator 1-CP1	Operator 2-CP2
80	Operator 1-CP1	Operator 2-CP2
81	Operator 1-CP1	Operator 2-CP2
82	Operator 1-CP1	Operator 2-CP2
83	Operator 1-CP1	Operator 2-CP2
84	Operator 1-CP1	Operator 2-CP2
85	Operator 1-CP1	Operator 2-CP2
86	Operator 1-CP1	Operator 2-CP2
87	Operator 1-CP1	Operator 2-CP2
88	Operator 1-CP1	Operator 2-CP2
89	Operator 1-CP1	Operator 2-CP2
90	Operator 1-CP1	Operator 2-CP2
91	Operator 1-CP1	Operator 2-CP2
92	Operator 1-CP1	Operator 2-CP2
93	Operator 1-CP1	Operator 2-CP2
94	Operator 1-CP1	Operator 2-CP2
95	Operator 1-CP1	Operator 2-CP2
96	Operator 1-CP1	Operator 2-CP2
97	Operator 1-CP1	Operator 2-CP2
98	Operator 1-CP1	Operator 2-CP2
99	Operator 1-CP1	Operator 2-CP2
100	Operator 1-CP1	Operator 2-CP2

Operator Management

Operator management allows to assign a machine to a operator for each shift. In the statistic section the operator activities can be displayed and analyzed.

A operator database is included and a entry for each operator can be set up.

ADVANCED KNITTING TECHNOLOGY

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