Şef Teknoloji
ŞEF YAZILIM TEKNOLOJILERI

PRODUCT CATALOG · KNITTING IOT

Nextile KnitTrack

Machine monitoring and production tracking for circular knitting mills.

KnitTrack connects every knitting machine on your floor to one live screen. It counts each revolution, logs every stop with its reason, and knows which operator and which yarn lot produced each roll. You get clear reports you can act on — from the office or from your phone.



Live Floor · Hall A LIVE — Shift B · 14:32 · 10 machines

RUNNING	SHIFT EFFICIENCY	ROLLS THIS SHIFT	STOP TIME TODAY
7 / 10	84 %	38	2h 14 min

M-01 Melton fleece · 30" 25.8 rpm Roll 62% A. Hassan	**M-02** Melton fleece · 30" 26.1 rpm Roll 35% A. Hassan	**M-03** 3-thread fleece · 34" Yarn break Stopped 4 min Roll 18% A. Hassan	**M-04** 3-thread fleece · 34" 26.4 rpm Roll 77% M. Saeed	**M-05** Melton fleece · 30" 25.5 rpm Roll 91% M. Saeed
M-06 Melton fleece · 30" 25.9 rpm Roll 12% M. Saeed	**M-07** 3-thread fleece · 34" Maintenance Needle change · K. Adel Planned 22 min	**M-08** 3-thread fleece · 34" 26.0 rpm Roll 48% Y. Fathy	**M-09** Melton fleece · 30" Lot change Waiting for yarn · 11 min Roll 0% Y. Fathy	**M-10** Melton fleece · 30" 25.7 rpm Roll 69% Y. Fathy

WHY KNITTRACK

Every revolution counted. Every stop explained.

See hidden losses

Every stop is timed and given a reason, so you know exactly where your production time goes — and what to fix first.

Trace every roll

Each roll is linked to its machine, operator, shift and yarn lot — from the knitting floor through quality control.

Decide with data

Machine, operator and shift efficiency reports on any screen, in English, Arabic or Turkish.

BUILT FOR: Single jersey · Fleece & melton · Rib & interlock · Jacquard · New & older machines

WHAT IT DOES

Six modules. One connected knitting floor.

Each module works on its own, and together they give you a complete record of every roll — from the moment yarn is loaded on the creel until the labelled roll leaves the warehouse.

01
Revolution Counting & Yarn Break Data

A sensor on the main drive counts every cylinder revolution, and the machine's own stop circuit tells KnitTrack the moment it halts.

- Live RPM, revolution count and running time per machine
- Roll length set by target revolutions, with roll-change alerts
- Yarn breaks, needle faults and other stops logged with time and duration

02
Operator & Shift Tracking

Operators log in with an RFID card at the start of the shift and select the machines they are responsible for.

- Production, efficiency and stop time per operator and per shift
- Automatic shift handover reports
- Technicians check in and out with their card, so response and repair times are measured

03
Yarn Lot Tracking

Record which yarn lot is loaded on each machine. Every fabric roll carries the lots it was knitted from.

- Full traceability from roll back to yarn supplier and lot
- Lot change alerts to prevent mixed lots and shade or barré problems
- Yarn consumption per article, machine and order

04
Integrated Fabric Quality Control

Rolls move straight from the knitting floor to inspection. Quality results are linked back to where the roll was made.

- Defects recorded per roll: holes, drop stitches, barré, oil stains and more
- 4-point grading with first and second quality classification
- Defect analysis by machine, operator and yarn lot

05
Multi-Labelling

Print the right label for every roll — your standard label, or a customer-specific or fabric-specific design.

- Label templates per customer: logo, article, weight, width, lot
- Barcode and QR codes for fast scanning in the warehouse
- Print at the machine or at the inspection table

06
Breakdown & Maintenance Tracking

Operators report a breakdown from the machine terminal. Technicians are notified, and every repair is recorded.

- Response time, repair time and breakdown history per machine
- Planned maintenance by revolution count or by calendar
- Spare parts used, needle and sinker changes, cleaning and oiling



INSPECTION STATION

Weigh, grade and label each roll

Scale, label printer and a live dashboard screen in one station.

Roll label — CUSTOMER TEMPLATE

ROLL NO.
R-2611-0482

Article	Melton fleece · 30"
Machine	M-04 · Shift B
Yarn lot	L-2291 / L-2304
Weight	24.6 kg
Quality	A 12 pts

Scan to trace

READY-MADE REPORTS

Shift production · Machine efficiency (OEE) · Stop-reason analysis · Operator performance · Roll & lot traceability · Quality by machine · Maintenance history

HOW IT WORKS

From the needle cylinder to your phone.

STEP 1
Knitting machine
A drive sensor counts revolutions; the stop circuit signals yarn breaks and faults.

STEP 2
KnitTrack terminal
Industrial controller on each machine: counts, stores, shows status, reads RFID cards.

STEP 3
On-site server
Database and application run in your mill — the system keeps working without internet.

STEP 4
Your screens
Live floor view, reports and alerts on PC, tablet and phone.

No lost production data. Each terminal keeps its own counters. If the network drops, counting continues and the data is sent as soon as the connection returns.

Technical specifications

Machine types	Circular knitting: single jersey, fleece & melton, rib, interlock, jacquard
Data collected	Revolutions, RPM, run/stop state, stop duration and reason, roll count
Machine terminal	Machine-mounted industrial terminal with colour display and RFID reader, 24 V DC, opto-isolated inputs
Identification	RFID cards for operators and maintenance technicians
Connectivity	Ethernet or Wi-Fi, with local data buffering
Server	On-premise server in your mill; cloud option available
Access	Web browser on PC, tablet and mobile
Languages	English, Arabic, Turkish
Integration	Nextile ERP, Excel export, REST API for other systems
Labels	Barcode and QR, standard thermal label printers

Project steps

1. **Site survey**
   We review your machine models, panels and network, and agree on the figures that matter to you.
2. **Installation on site**
   Pre-tested terminals are fitted to each machine and the server is set up in your mill.
3. **Training**
   Hands-on training for operators, supervisors and management.
4. **Support**
   Remote support and software updates after go-live.

One-time licence
No monthly fees

Your data stays
On your own server

PACKAGE INCLUDES
- ✓ Terminals & sensors
- ✓ RFID cards
- ✓ Server software
- ✓ On-site installation
- ✓ Training
- ✓ Label templates

GET A PROPOSAL

Let's map your knitting floor.

Tell us how many machines you run and their models. We will prepare a proposal tailored to your mill.

Contact us on WhatsApp

WHATSAPP & PHONE
+90 506 943 01 84

E-MAIL
info@sefteknoloji.com

WEB
www.sefteknoloji.com

OFFICE
Çorlu / Tekirdağ, Türkiye