

## E.O.S. WORKNET

### The MES Software for Textile Production 4.0

Optimize knitting production management with circular machines

## 1. Introduction

### What is E.O.S. WORKNET?

E.O.S. WORKNET is an innovative MES software for integrated textile production management. Designed specifically for the knitting sector, it offers:

- **4.0 Connectivity:** Direct integration with machines.
- **Full Traceability:** Real-time monitoring of every order and piece.
- **Productivity Optimization:** Reduce waste and improve efficiency.

## 2. Main Features

### 2.1 Dashboard

View all key information on a single panel:

- Real-time machine status.
- Order progress.
- Performance analysis (efficiency, RPM, etc.).

#### Advantages:

- Immediate queue management with drag-and-drop functionality.
- Data displayed in tables and charts for easy understanding.

Dashboard											
ID	Data Inizio	Cliente	Ordine	Articolo	Stato	Giri x Pezza	Giri x Pezza %	RPM Istantaneo	Pezze	Avanzam. Tot	RPM Medio
M1	2023-02-17 10:50:05	MITI	611	ARTICOLO3	↓ RUN	0→7569	0%	0 RPM	0→20	1%	19 RPM
M2	2023-06-22 09:24:20	MITI	617	ARTICOLO3	↓ RUN	19→7569	0%	0 RPM	1→10	10%	2000 RPM
M3	2023-05-17 10:05:23	CLIENTE3	5	ARTICOLO7	↓ RUN	1→4848	0%	0 RPM	3→48	6%	3 RPM
M4	2023-02-16 16:09:37	CLIENTE3	2	ARTICOLO5	↓ RUN	1→10729	0%	0 RPM	4→30	13%	7 RPM
M5					↓ STOP	0→0		0 RPM			
M6	2023-05-17 10:05:35	CLIENTE3	7	ARTICOLO5	↓ RUN	1→10729	0%	0 RPM	1→52	2%	2 RPM
M7					↓ STOP	0→0		0 RPM			
M8	2023-05-17 10:05:43	CLIENTE2	9	ARTICOLO3	↓ RUN	1→7569	0%	0 RPM	0→98	0%	0 RPM
M9					↓ STOP	0→0		0 RPM			
M10					↓ STOP	0→0		0 RPM			
M11					↓ STOP	19→4000	0%	0 RPM		0%	
M12	2022-09-27 13:07:50	INWOOL JERSEY	604	ARTICOLO7	↓ RUN	1→2155	0%	0 RPM	0→7	0%	0 RPM
M13	2022-09-27 13:07:55	FIVEOL	605	ARTICOLO1	↓ RUN	1→6233	0%	0 RPM	0→75	0%	0 RPM
M14	2022-09-27 13:08:17	TK PROJECT	606	ARTICOLO5	↓ RUN	1→10729	0%	0 RPM	1→50	2%	2 RPM
M15					↓ STOP	1→3612	0%	0 RPM		0%	
M16					↓ STOP	1→8912	0%	0 RPM		0%	
M17					↓ STOP	1→8912	0%	0 RPM		0%	
M18					↓ STOP	1→9347	0%	0 RPM		0%	
M19					↓ STOP	1→8171	0%	0 RPM		0%	

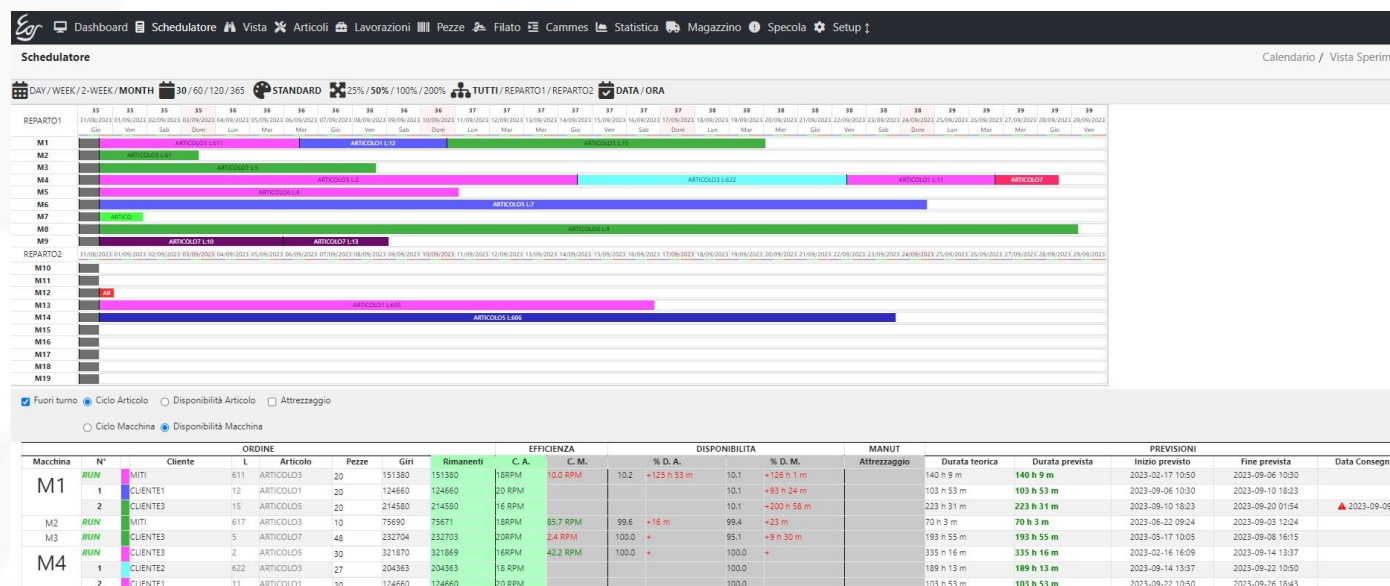
## 2.2 Scheduler

Optimize order planning with an intuitive graphical interface:

- Automatic calculation of the estimated duration of orders.
- Visual scheduling via a department-specific calendar.

**Advantages:**

- Greater accuracy in scheduling.
- Reduced machine downtime.



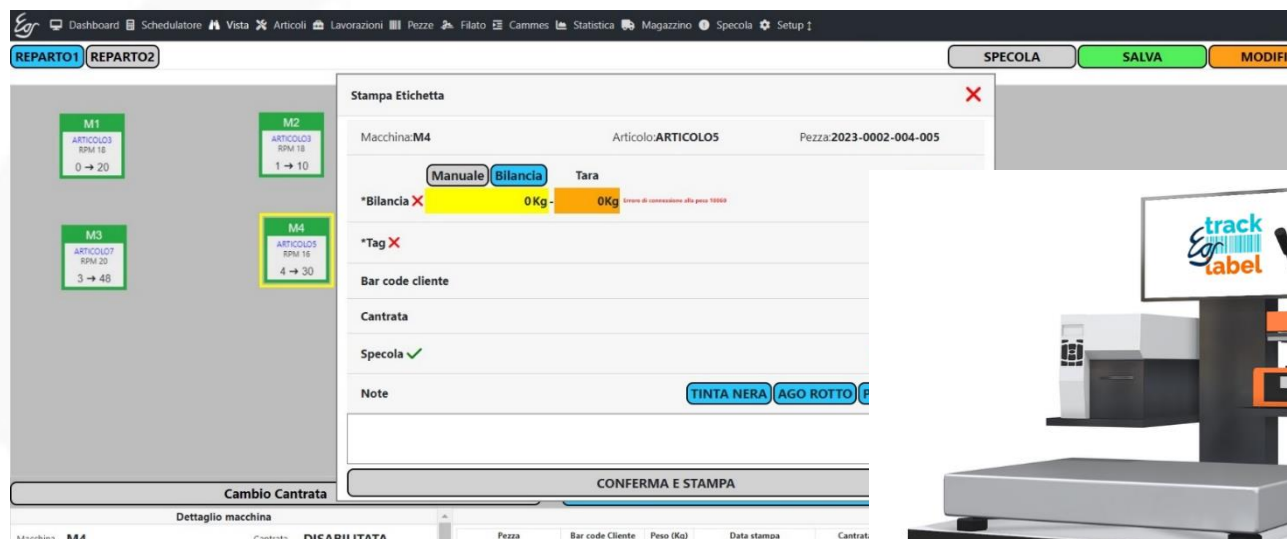
## 2.3 Operator View

Designed for touch-screen devices, this feature allows:

- Monitoring machine status.
- Easy and fast entry of production data.
- Automatic printing of piece identification labels.

### Advantages:

- Eliminates the need for keyboards or complex processes.
- Facilitates data registration via RFID tags.



## 3. Technical Specifications and Production Support

### 3.1 Articles

Comprehensive management of technical sheets for each item:

- Details on yarns, cams, tension, and other technical specifications.
- Automatic calculation of production parameters.

### Advantages:

- Instant sharing with the production department.
- Smoother production thanks to printable technical sheets.

Fornitura  1.864g/rev)													
Pista	Filato	Unità	Descrizione	Codice		% Merc.	Cadute	Consumo filo (new/100 spg)	Piatto	Cilindro	Puleggia	Z	
1	22	dTex	22/34 100%PA6 SEMIORACIO	PA6 22/34 SEMIORACIO S-Z GG	✓	21,02	24	197	20	15	142	20	
2	33	dTex	33/34 100%PA6 SUPER ORAC	PA6 33/34 SUPER ORACIO S GG	✓	30,42	24	190	20	0	137	20	
3	33	dTex	33/34 100%PA6 SUPER ORAC	PA6 33/34 SUPER ORACIO Z GG	✓	30,42	24	190	0	10	137	20	
4	22	dTex	22 100% EA GG	EA 22 GG	✓	16,14	48	85	0	0	160	20	
5			Inserisci codice filato		✗	0	0	0	0	0	0	0	
6			Inserisci codice filato		✗	0	0	0	0	0	0	0	

Meccanica / Produzione [011 h 10 m]					
Traggo	5	Z 20-106	Disegno		Scarto Ago NO
In Rotolo	SI TESSUTO APERTO		In Faldia	NO	

Meccanica / Produzione [011 h 10 m ]									
Tiraggio	5	Z 20-106	Disegno		Scarto Ago	NO			
In Rotolo	SI TESSUTO APERTO		In Faldia	NO					
GR/M2 In Macch.	230 GG - 324 VAP		H Tessuto	160 GG - 136 VAP					
H. Allargatore	93		H. Piatto	1,0	Sfas. P.C.	5,0			
Ranghi al cm			File al cm						
RPM	16		Giri Pezza	10729	Peso Pezza (Kg)	20	Peso Tara (Kg)	0	
Calcola Giri Pezza				Calcola Peso Pezza					

Note

L'ELASTICO SUL PIATTO VA INFILATO AL POSTO DEL FILO MA NEL FORO ALTO DELLA PIASTRINA, IL FILO VA NELLA PIASTRINA E PASSA SOTTO IL GUIDAFILO ---

L'ELASTICO DEL CILINDRO VA INFILATO NELLA PIASTRINA E PASSA SOTTO IL GUIDAFILO ---

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Adesione ad AIB

## 3.2 Work Orders

Advanced production order management:

- Creation of new orders.
- Monitoring status and progress.
- Customizable labeling for each customer.

Advantages:

- Integration with company ERP systems.
- Automatic generation of packing lists for shipments.

**Eos** Dashboard | Scheduler | Vista | Articoli | Lavorazioni | Pezze | Filato | Cammes | Statistica | Magazzino | Specola | Setup |

Lavorazioni | Modifica | Salva | Salva come nuovo | Split | Statistica Lavoraz

### Modifica Lavorazione

Destinazione: Destinazione

Cliente: CLIENTE3

Articolo: ARTICOLO5

Descrizione: DOUBLE FACE ELASTICIZZATO

Anno: 2023

Codice Interno: 2

Numero Pezze Target: 30

Numero Pezze Eseguite: 4

Peso Pezza: 20 Kg

Peso Target: 600 Kg

Peso Reale: 57 Kg

Peso Teorico: 80.005 Kg

RPM: 16

Codice Ordine Cliente:

Data Consegna: gg/mm/aaaa

Etichetta Sacco: ☒

Bar Code Cliente: ☐

F. Autocollante: ☐

### Partite Filati

Descrizione	Codice	Fornitore	Lotto
22/24 100%PA6 SEMIORACO S-2 GG	PA6 22/24 SEMIORACO S-2 GG	✓	
33/34 100%PA6 SUPER ORACO S GG	PA6 33/34 SUPER ORACO S GG	✓	
33/34 100%PA6 SUPER ORACO Z GG	PA6 33/34 SUPER ORACO Z GG	✓	
22 100% EA GG	EA 22 GG	✓	

**Genera Packing List**

Data Packing List	ID	Pezza	Bar Code Cliente	Data Inizio	Data Fine	Cantrata	Giri	Peso Teorico(Kg)	Peso Reale(Kg)	Peso Specola(Kg)	Data Pesatura	Operatore	Specola Controllo	Specola Stato	Specola Operatore
2023-05-17 10:13:22	19289	2023-0002-004-005	DISABULIATO	2023-03-29 11:47:54	In-Esecuzione	DISABULIATO	1	8.002	0	0	2023-03-29 11:47:54	01-MR	✗	✗	01-MR
2023-05-17 10:13:22	19288	2023-0002-004-004	DISABULIATO	2023-03-29 11:32:34	2023-03-29 11:47:54	DISABULIATO	10729	20.001	12	0	2023-03-29 11:47:54	01-MR	✗	✗	01-MR
2023-05-17 10:13:22	19292	2023-0002-004-003	DISABULIATO	2023-02-16 16:11:03	2023-03-29 11:32:34	DISABULIATO	10729	20.001	20	0	2023-03-29 11:32:34	01-MR	✗	✗	01-MR
2023-05-17 10:13:22	19291	2023-0002-004-002	DISABULIATO	2023-02-16 16:10:25	2023-03-29 11:32:34	DISABULIATO	10729	20.001	13	0	2023-02-16 04:11:02	01-MR	✗	✗	01-MR
2023-05-17 10:13:22	19290	2023-0002-004-001	DISABULIATO	2023-02-16 16:09:37	2023-03-29 11:32:34	DISABULIATO	10729	20.001	12	12	2023-02-16 04:10:25	01-MR	✗	✗	01-MR

**Totale: 5 - 57 Kg**  
**Spedito: 2 - 32.00 Kg**  
**Mancanti: 3 - 25.00 Kg**  
**Selezionate: 0 - 0 Kg**

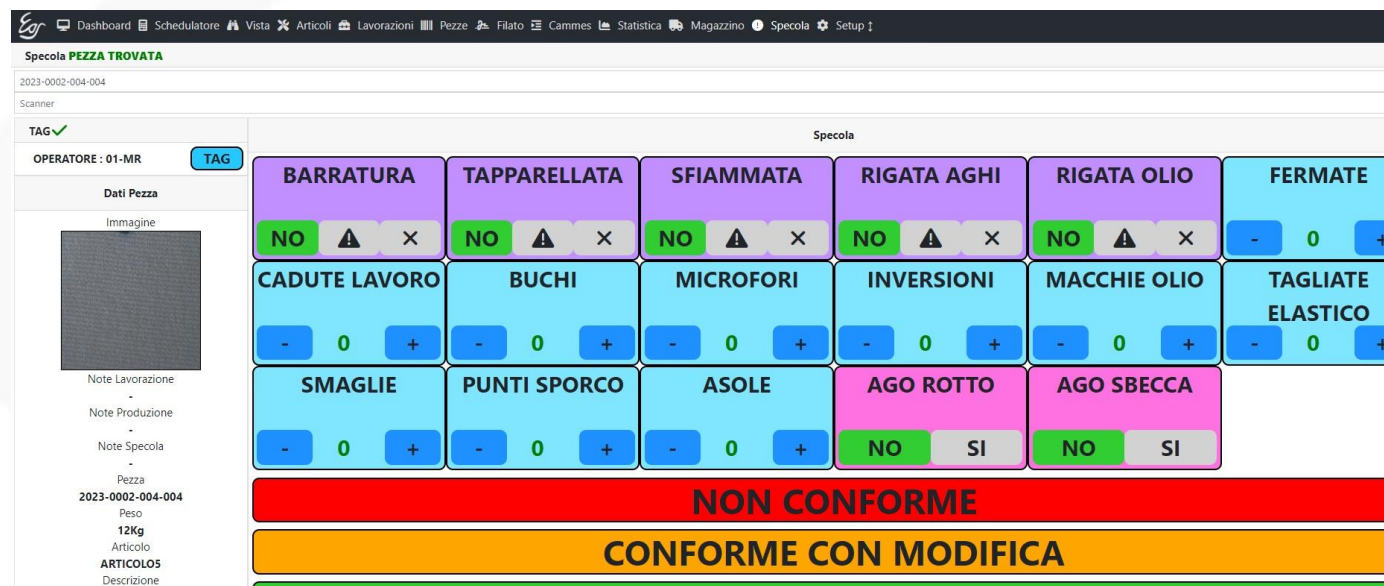
### Packing List

Data Packing List	Numero Pezze	Peso (Kg)	Bollata
2023-05-17 10:13:22	2	32.0	✓



### 3.3 Inspection module

We support all data input module from fabric inspection. The operator identifies the fabric code by read the bar code label. All the fault can be configured



The screenshot shows the 'Specola' (Inspection) module interface. The top navigation bar includes links to Dashboard, Scheduler, Vista, Articoli, Lavorazioni, Pezze, Filato, Cammes, Statistica, Magazzino, Specola, and Setup. The main header displays 'Specola PEZZA TROVATA' and the date '2023-0002-004-004'. Below this, the 'Scanner' section shows a 'TAG' with a green checkmark and the operator 'OPERATORE : 01-MR'. The 'Dati Pezza' section includes an 'Immagine' placeholder and a list of notes: 'Note Lavorazione', 'Note Produzione', 'Note Specola', 'Pezza', '2023-0002-004-004', 'Peso', '12Kg', 'Articolo', 'ARTICOLOS', and 'Descrizione'. The main inspection area is a grid of buttons for various faults, each with a 'NO' button, a warning icon, and a 'X' button. The faults are: BARRATURA, TAPPARELLATA, SFIAMMATA, RIGATA AGHI, RIGATA OLIO, FERMATE, CADUTE LAVORO, BUCHI, MICROFORI, INVERSIONI, MACCHIE OLIO, TAGLIATE ELASTICO, SMAGLIE, PUNTI SPORCO, ASOLE, AGO ROTTO, and AGO SBECCA. At the bottom, there are two large buttons: 'NON CONFORME' (red) and 'CONFORME CON MODIFICA' (yellow).

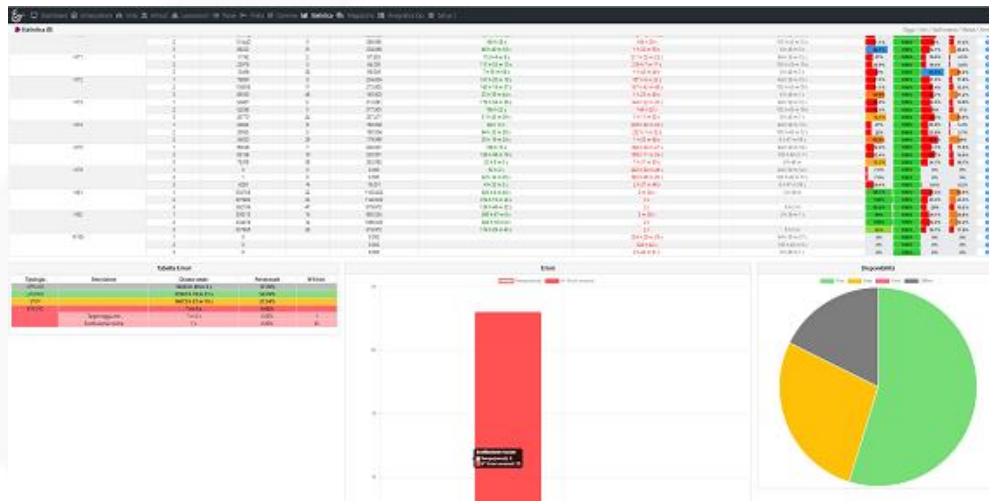
### 3.4 Statistics

Detailed analysis and reports to optimize production:

- Machine and order efficiency.
- Data presented in clear, aggregated charts.

## Advantages:

- Strategic decision-making support based on concrete data.



## 4. Why Choose E.O.S. WORKNET?

- **Improved Efficiency:** Reduce errors and optimize processes.
- **Adaptability:** Fully customizable for every company.
- **Total Traceability:** From production to shipping.
- **4.0 Compatibility:** Ready for the challenges of modern industry.

## 5. Contact Us

Want to discover how E.O.S. WORKNET can revolutionize your production?

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