



EGEMEN
SOFTWARE AND AUTOMATION



Our target ,
Industry 4.0

Talented, Innovative & Developer





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SOFTWARE AND AUTOMATION

Why Egemen Software

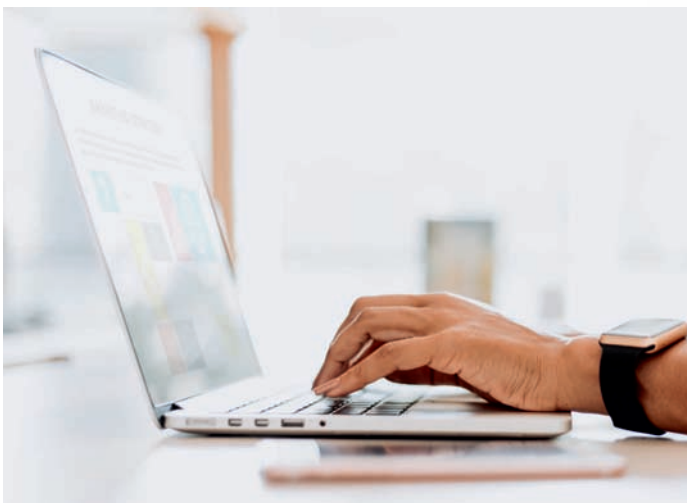
Egemen Software was established in 1999 and is producing software solutions with the most up-to-date technologies to customers in different sectors for many years. For nearly 10 years, it has determined its field of expertise as textile technology solutions and with the slogan "From Cotton to T-Shirt" it offers solutions for every area of textile. Egemen Software, which is used in 8 countries, 5 different languages, over 100 integrated facilities and around 300 small and medium scale production facilities, takes its power from its expert team. In addition, our R & D activities, which are our most fundamental principles, continue within Namik Kemal University Techno-Park in Corlu.

In a world where smart and interconnected products are present and all markets can be destroyed by a single innovation, manufacturing companies are obliged to find completely new approaches. Some want to catch up with trends by recording product application data and including them in the inventions and improvements of new products. However, although they know what they want to produce, they still have to go through the production phase.

For this reason, production has a decisive importance in this "new time", of the innovation we are in. In this way they can only achieve a gradual improvement. Therefore, manufacturing companies have to go digital.

Only the digital line of this information can be transformed into a commercial driving force with digitalization. However, fully "digitalized and manufacturing companies" are better positioned to respond to innovations or to start innovations. We are constantly developing our various Egemen Software and Automation solutions to support you in the digitization phase.

WE ARE IN THE SECTOR



Our Solitions

Eb01 dyehouse automation software is an ERP software, which allows in integrated facilities or as modular to track separately crude yarn, knitting, weaving, yarn dye, fabric dye, printing, garment manufacturing processes in according to Industry 4.0 targets.

The **Kt01** garment and productivity tracking software controls the whole planting process such as cutting, model, resource planning in garment facilities. In addition, operator efficiency and quality management processes are monitored online with Ege9050 devices.

The **FM Knitting** software is a special software solution for the companies engaged in the production and trading of crude fabrics. All internal production and contract manufacturing processes, yarn, fabric stock status, instant-periodic production, shipment processes, cost analysis, producer analysis can be easily followed.





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Quality control module:

- Crude control, surface control operations
- Order forecast analysis
- Batch quality control procedures
- 4 points, 10 points system etc. quality input, roll and parit based pass / fail analysis
- Error maps, quality control sheets, packing list creation
- Full integration with Tesla, Güven Celik, GMC machine etc. quality control machines

Crude fabric, yarn store and product depot tracking:

- Crude fabric or yarn inputs
- Barcoded shelf tracking system
- Second quality, repair and scrap tracking

Order and batch tracking:

- Pre-ordering cost creation, term creation and tracking
- Creation order of knitting-weaving, yarn dye, fabric dye, printing cost
- Creating quotes on fabric or quality basis, creating orders from offer
- Reserve from stock, sales transactions
- Order and plant occupancy analysis



FABRİKA SİPARİŞ YÜK RAPORU (TERMİN HAFTASINA GÖRE)

01.01.2017 - 04.08.2017 tarihleri arası
Siparişleri

04.08.2017 12:14:04

						ÜRETİME GÖRE SİPARİŞ KALAN										PAKETE GÖRE SİPARİŞ KALAN				SEVKE GÖRE SİPARİŞ KALAN				
Termin	Brüt Sip.Kg	Net Sip.Kg	Partilenen	Partilenecek	İşletme	BOYA					BASKI ALTI		BASKI				PAKET				SEVKİYAT			
						Renkli	Beyaz	Yıkama	Boyanacak	Hazırlanacak	Hazır	Basılacak	Reaktif	Pigment	Desen Bekleyen	Boya Paketli	Baskı Paketli	Toplam Paketli	Kalan	Brüt Sevki	Net Sevki	Fire%	Kalan	
17. Hafta 30.04.17	588	500	594	-6	594													504	594	-6			%	588
19. Hafta 15.05.17	6,169	5,550	6,072	97	4,330	206			206									5,286	5,286	-859	1,742	1,554	% 10.77	4,427
20. Hafta 15.05.17	7,336	6,600	7,543	-207	7,385	31			31									7,459	7,459	-365	242	249	% -2.71	7,094
21. Hafta 25.05.17	5,899	5,280	5,567	332	5,567	372			372	25		25			25		1,552	4,015	5,567	332			%	5,899
22. Hafta 29.05.17	5,600	4,877	5,537	63	5,537					86		86			86			5,537	5,537	63			%	5,600
23. Hafta 05.06.17	7,149	6,200	7,327	-178	7,327					84		84			84		2,141	5,186	7,327	-178			%	7,149
24. Hafta 12.06.17	25,897	23,275	30,036	-4,139	10,794	33			33								9,869	25	9,894	-4,970	20,973	18,839	% 10.17	4,924
25. Hafta 21.06.17	20,197	18,107	19,403	794	2,964	947			947			198			173	198	1,868		1,868	1,890	16,439	15,684	% 4.59	3,758
26. Hafta 30.06.17	1,510	1,510	1,221	289	1,221	7		750	757						173	198	1,046		1,046	464			%	1,510
27. Hafta 07.07.17	182	166	20	162	20	162			162			20			20	20				182			%	182
28. Hafta 16.07.17	7,734	7,102	8,977	-1,243	5,879	1,427		191	1,618	2	20	770			749	21	3,545	926	4,471	165	3,098	2,967	% 4.24	4,636
29. Hafta 16.07.17	37,774	34,334	29,833	7,941	14,176	1,761		72	1,832	7,680	538	768	7,660		749	19	6,523	5,265	11,788	10,328	15,658	14,257	% 8.95	22,116
30. Hafta 24.07.17	133,912	123,042	71,792	62,120	44,547	31,606	30,682	105	62,393	5,042		5,042	4,205	749	25	16,055	14,627	30,682	75,946	27,284	25,023	% 8.29	106,628	
31. Hafta 31.07.17	153,941	142,231	73,121	80,820	67,883	28,529	8,214	3,261	40,005	48,295	2,989	51,284	6,599	44,623	28,620	33,134	7,822	40,956	107,747	5,239	4,648	% 11.27	148,703	
32. Hafta 07.08.17	291,896	261,585	234,888	57,007	128,555	70,591	25,519	769	96,879	12,474		16,140	3,179	12,962	6,303	15,751	27,803	43,554	141,269	107,072	101,859	% 4.87	184,823	
33. Hafta 15.08.17	118,410	105,869	69,357	49,053	69,235	38,242	4,440	315	42,997	4,051	3,666	7,717	2,697	5,020										
34. Hafta 21.08.17	26,874	24,200	15,736	11,138	15,188	32,438	6,787	3,689	42,914	21,792	11,402	34,457	23,049	10,878	11,048	13,850	6,304	20,154	98,134	122	103	% 15.57	118,288	
35. Hafta 29.08.17	7,912	7,125	921	6,991	921	8,480	2,238		10,708	4,288		16,933	9,259	7,172			980	5,613	6,593	19,733	548	511	% 6.75	26,326
36. Hafta 09.09.17	6,112	5,500		6,112		5,995		971	6,966	25		500			25		322		322	7,590			%	7,912
52. Hafta 20.12.17	192,196	173,181	13,658	178,538	4,693	113,989	25,156	32,083	171,228	11,579	816	13,379	1,096	11,087	8,276	1,000	1,024	244	1,268	181,405	9,523	8,903	% 6.51	182,673
Toplam	1,057,288	956,234	601,004	455,684	336,815	307,959	97,031	41,891	446,880	112,369	19,629	134,475	46,343	86,163	56,259	120,405	83,961	204,367	644,982	207,940	194,597	% 6.42	849,348	
Toplam Kazan Yüklü :						559,249				80,437														

Toplam Kazan Yüklü:

559,249
89,457



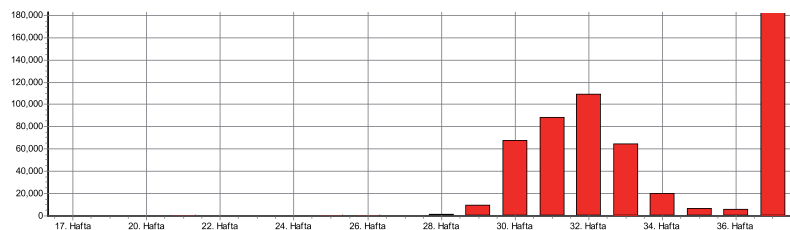
FABRİKA SİPARİŞ YÜK RAPORU (TERMİN HAFTASINA GÖRE)

01.01.2017 - 04.08.2017 tarihleri arası
Siparişleri

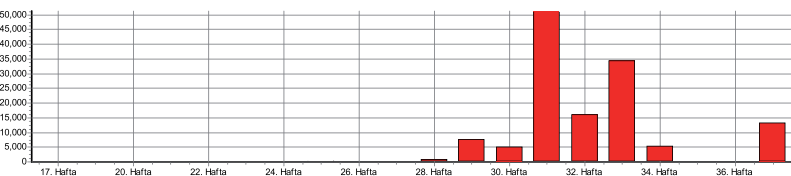
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Termin		Brüt Sip.Kg		Net Sip.Kg		Partilene		Partilenecek		İşletme		ÜRETİME GÖRE SİPARİŞ KALAN										PAKETE GÖRE SİPARİŞ KALAN				SEVKE GÖRE SİPARİŞ KALAN			
												BOYA					BASKI ALTI		BASKI			PAKET				SEVKİYAT			
												BOYA					BASKI ALTI		BASKI			PAKET				SEVKİYAT			
												Renkli	Beyaz	Yıkama	Boyanacak	Hazırlanacak	Hazır	Baskılabak	Reaktif	Pigment	Desen Bekleyen	Boya Paketi	Baskı Paketi	Toplam Paketi	Kalan	Brüt Sevki	Net Sevki	Fire%	Kalan
Toplam		1,057,288		956,234		601,604		455,684		336,815		307,959	97,031	41,891	446,880	112,369		134,475	46,343	86,163	56,259	120,405	83,961	204,367	644,982	207,940	194,597	% 6.42	849,348
												39,610	6,948	1,503	67,901	13,619	19,629	30,201	19,611	15,615	2,807								
																550,249													
																69,657													

BOYA



BASKI



Swatch card tracking module with barcode, Pre-Accounting Tracking

- Current follow-up
- Check-note input output operations
- Bank transactions
- Cash transactions
- Integration with Logo, Link, Oracle, Netsim, Orka, Luca, 1C, Eta etc. accounting programs
- Pre-cost and offer procedures
- Pre-cost work for any order or quality
- Creating a price offer with current cost information

Production tracking with Ege 7050 automation terminals

- Batch input and output movements can be recorded
- Sending recorded recipes or reference values directly to the machine
- Machine work - posture analysis
- Internal control values input
- Operator productivity analysis, pause tracking
- Online machine tracking animation

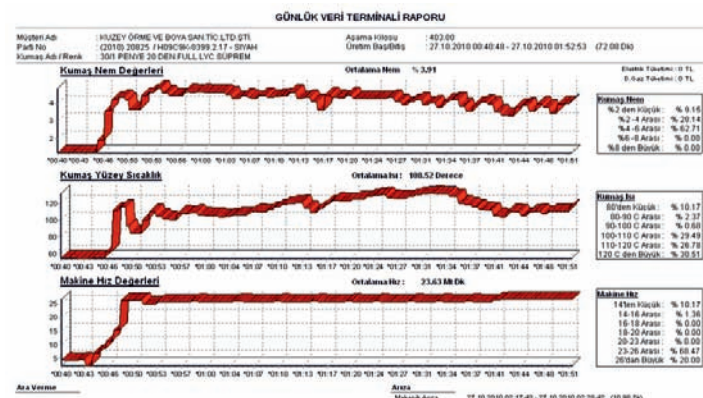
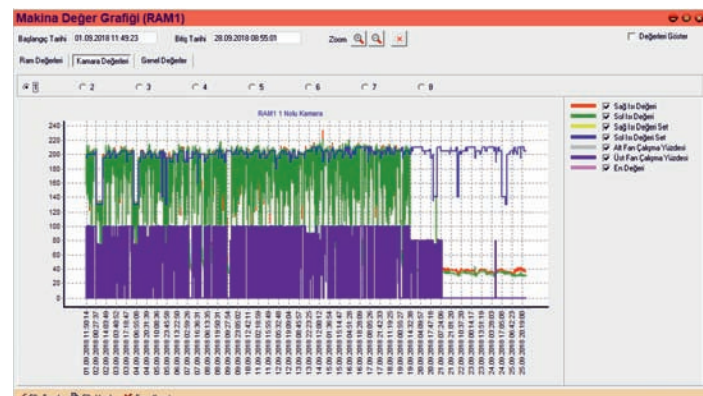
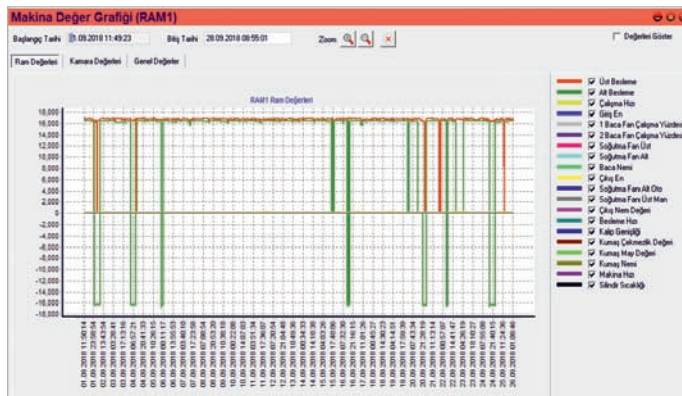
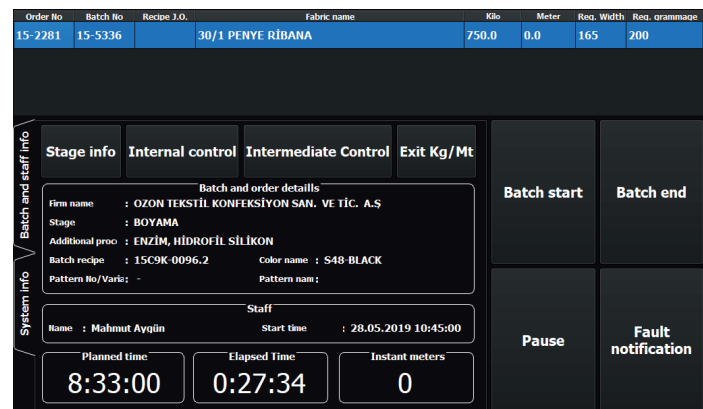
Integrated maintenance and fault monitoring with periodic maintenance and spare parts module

- Direct communication with the PLC software of machines such as ram sanfor dryer etc.; speed, feed, lower-top fan, input-output width, right-left chamber temperatures and all similar data are saved as set and minute actual values
- The values read at the end of the batch can be saved as a recipe and sent directly to the PLC of the respective machine as a reference recipe for the next production
- Machine control through the system reduces the time and raw resource usage by making a quality production, minimizing the human factor and providing the use of machinery at maximum efficiency

- Thanks to the recorded minutes data, it enables the production and analysis of the relevant production with the help of advanced graphically supported reports

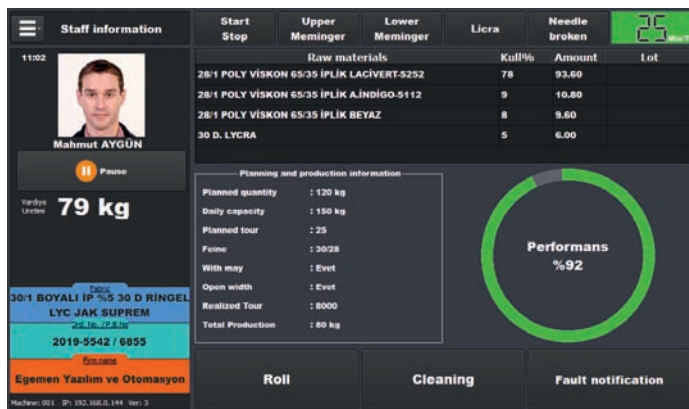
Maintenance / fault and spare parts tracking

- Mobile maintenance / fault module (Mobile fault notification)
- Online maintenance / fault planning, status tracking
- Machine spare parts usage tracking
- Spare parts and consumables tracking



Knitting

- Buying processes
- Device-assisted knitting production tracking (minute tour, stop, etc.)
- Contract knitting, yarn dyeing, twisting, folding, dyeing production tracking
- Easy to follow through the order integrated with the paint shop
- Yarn warehouse, fason yarn status tracking
- Automatic yarn consumption and lot based wastage tracking
- Internal production and fason knitting planning
- Quality control procedures
- Waybill, Invoice transactions, cost analysis

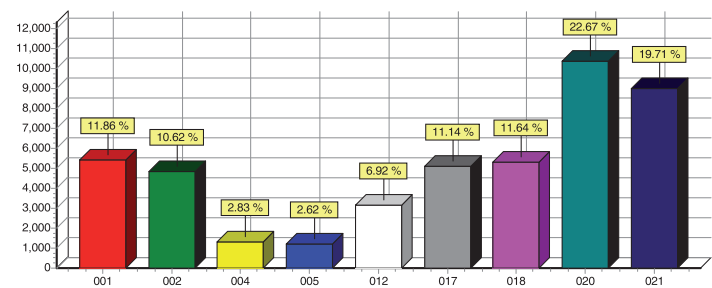


Örme Makina Üretim Raporu

13.06.2019 16:31:25

01.05.2019 ile 31.05.2019 Tarihleri Arası

Makine	Vardiya 1	Vardiya 2	Vardiya 3	Normal	Sakat	Sakat%	Genel Toplam
001	1,796.00	1,803.00	1,802.00	5,401.00	14.50	0.27	5,415.50
002	1,540.00	1,674.00	1,635.00	4,849.00			4,849.00
004	368.00	449.00	477.00	1,294.00			1,294.00
005	383.50	405.00	406.00	1,194.50			1,194.50
012	1,032.00	1,150.00	961.00	3,143.00	16.00	0.51	3,159.00
017	1,663.00	1,720.00	1,695.00	5,078.00	8.00	0.16	5,086.00
018	1,749.00	1,789.00	1,778.00	5,316.00			5,316.00
020	3,220.00	3,592.00	3,532.00	10,344.00	9.50	0.09	10,353.50
021	2,924.00	3,000.00	3,074.50	8,998.50	5.50	0.06	9,004.00
TOPLAM	36,008.50	38,632.50	38,151.00	112,792.00	177.00	0.16	112,969.00



Örme Sipariş Raporu

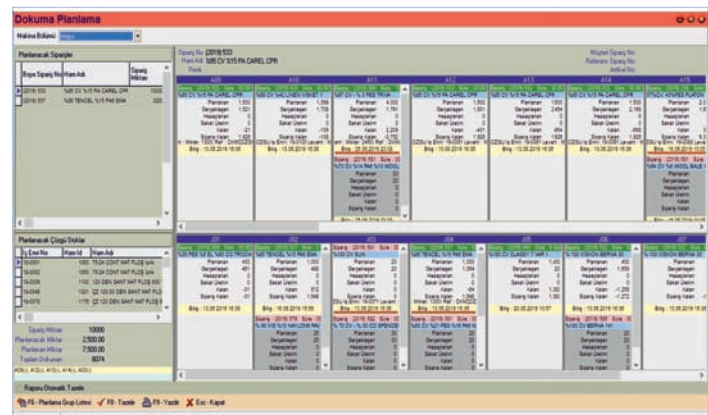
13.06.2019 16:33:04

01.06.2019 - 13.06.2019 tarihleri arası
(2019) 0 - (2019) 99 arası siparişler

Sip. Tarih	Örgü Termini	Sip No	Müşteri Sip. No	Firma	Kumaş Cinsi	P	F	Tp Ae My	En	Gr	B	Renk	Molanj Kodu	Sipariş Miktarı	Baskı Olacak Miktar	Boya Olacak Miktar	İşletme				Fason			Satin Alınacak Miktar	Toplam Örülen Miktar	Örülecek Miktar
																	Stoktan	Planlanan	Örülen	Sakat	Planlanan	Örülen	Sakat			
11.06.19	26.12.18	2092-1	z000u04 new wide trousers z000u04	U27	30/1 RİNG VISKON 70/40 PES GİPE ÇELIKLI INTERLOK	34	18	A	150	280				1,440		1,440		1,440							1,440	
11.06.19	11.06.19	2092-2	z000u04 NEW WIDE ROUSERS z000u04	U27	28/1 KESIKELYAF 50/20 GİPELI ÇELIKLI	30	24	A	150	220				5,038		5,037		1,250		3,788					5,038	
12.06.19	12.06.19	2106-1	5336711 beste	U27	30/30/20 PENYE ÜÇ İPLİK	32	20	A		260				10		10									10	
12.06.19	12.06.19	2106-2	5336711 beste	U27	30/30/20 PENYE ÜÇ İPLİK	32	20	A		260				10	10					10					10	
12.06.19	12.06.19	2108-1	z000u04 new passley closed z000u04	U27	30/30/20 PENYE ÜÇ İPLİK			A	185	245				3,645		3,645									3,645	
12.06.19	12.06.19	2108-2	z000u04 new passley closed z000u04	U27	30/30/20 PENYE ÜÇ İPLİK			A	185	245				397		398									397	
12.06.19	12.06.19	2108-4	z000u04 new passley closed z000u04	U27	30/1 PENYE SÜPREM			A	175	145				42		42		42							42	
12.06.19	12.06.19	2108-5	z000u04 new passley closed z000u04	U27	20/1 PENYE LYC RİBANA			A	175	320				1,432		1,432		1,432							1,432	
12.06.19	29.05.19	2115-1	mil-mmr 10/11	W79	30/70/10 PAM PES 3 İPLİK	32	20	A	185	300				20		20				20					20	
Genel Toplam														72,010	10	72,004	36	15,305	472		33,472	2,411			2,883	69,091

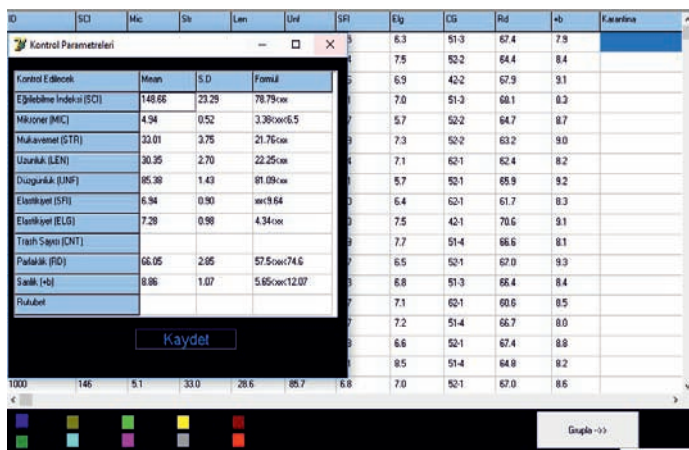
Weaving

- Buying processes
- Device-assisted weaving production tracking weft and warp records by minute, stop, etc.)
- Contract weaving, yarn dyeing, twisting, sizing, warping production tracking
- Easy to follow through the order integrated with the paint shop
- Yarn warehouse, fason yarn status tracking
- Automatic yarn consumption and lot based wastage tracking
- Internal production and fason weaving planning
- Warp, sizing production tracking, warp stock tracking
- Quality control procedures
- Waybill, Invoice transactions, cost analysis



Crude Yarn Production

- Buying procedures
- Fibre depot tracking
- Ring, coil roughing, fullness analysis
- Full integration with Zancaner, Sangrato, Metinoks etc. packaging machines
- Barcoded yarn, wastage and fibre depot tracking, barcoded shipment operations
- Fibre, yarn quality control tracking
- Blend recipe - lot creation optimization
- Waybill, Invoice transactions, cost analysis



EGEMEN

HARMAN BAZINDA U% KONTROL FORMU

11.11.2014-11.12.2014 Tarihleri Arasında

Tarih : 11.12.2014

Sira	Lot	Ne	Um (%)	Cv (%)	Cv 3m (%)	Cv 10m (%)	ThkKm-40c (%)	ThkKm-50c (%)	ThkKm-35c (%)	ThkKm-70c (%)	Neps +140c (%)	Neps +200c (%)	Neps +280c (%)	Hairness (c)
1	141-PR09.13	0.00	8.78	0.00	4.11	3.29	6.00	0.00	103.00	11.00	192.00	35.00	10.00	0.00
2	141-PR09.22	0.00	5.94	0.00	2.65	2.10	2.75	0.00	39.50	3.00	32.25	6.00	1.50	0.00
3	141-PR09.23	0.00	7.20	0.00	3.25	2.52	0.50	0.00	24.50	2.00	17.00	3.00	1.50	0.00
4	141-PR09.25	0.00	7.01	0.00	3.10	2.48	5.29	0.06	54.82	6.94	37.53	9.35	2.94	0.00
5	141-PR09.26	0.00	5.02	0.00	2.28	1.80	0.33	0.00	22.00	2.67	22.67	3.67	1.00	0.00
6	141-PR09.28	0.00	9.20	0.00	4.15	3.28	25.00	0.67	169.67	19.33	261.00	54.33	12.33	0.00
7	141-PR09.29	0.00	6.65	0.00	3.39	2.76	0.00	0.00	8.00	2.00	6.00	2.00	1.00	0.00
8	2014-58	0.00	6.95	0.00	3.12	2.48	5.94	0.10	58.87	6.87	58.68	12.90	3.55	0.00
	142-PC010.11	0.00	3.05	0.00	1.24	0.97	5.33	0.00	42.00	4.00	28.33	5.00	1.67	0.00
	2014-59	0.00	3.05	0.00	1.24	0.97	5.33	0.00	42.00	4.00	28.33	5.00	1.67	0.00



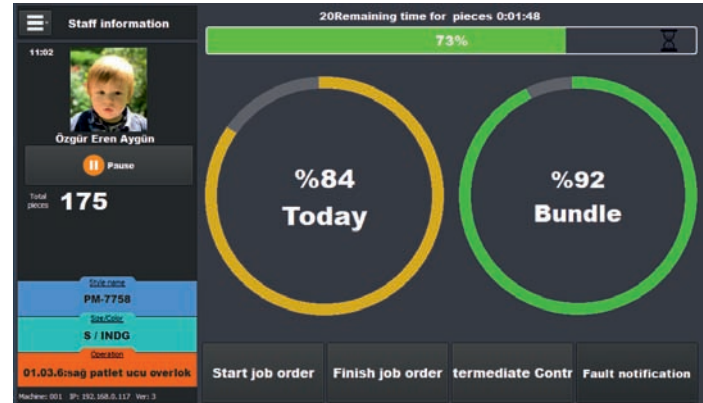
EGEMEN

İPLİK PLANLAMA RAPORU

11.12.2014

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Garment

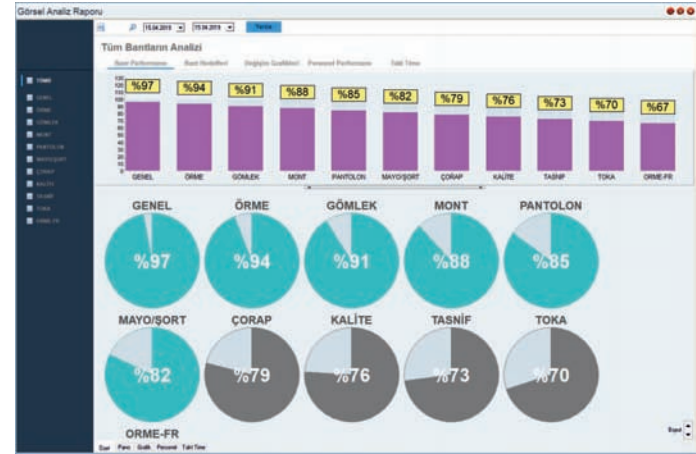


- Cutting sheet integration (SAP, ORACLE etc. systems)
- The cutting sheets can be transferred directly from the ERP project used by the web service, etc. or can manually be created by the users
- Creation of preparation, cutting, sorting, band work orders
- For the pre-planting operations cutting, sorting and preparation work orders according to department can be created.
- Tracking with Ege 9050 devices
- RFID card tracking for every work order. Each machine is equipped with 7-inch touchscreen device that communicate over Wi-Fi, so that productivity can be monitored.
- Break, worktime, overtime tracking
- Possibility of double-sided communication, can be used for example on birthdays, surveys, overtime notification
- Operators can easily see the bundle, the daily and monthly performances, premium gains through devices.
- Notification of information or notes about the operation, such as notes, materials to be used, etc. to the operator
- Quality control
- Error entry, repair or second quality can be separated on the quality control tables
- Error, repair, second quality analysis, reporting
- Feedback to the operator with error picture at repair entries
- Inline control-statistical process control (SPC)
- Ability to enter inline control information from any device
- Notification of error to the relevant operator
- Bottle Neck analysis, Line Balancing
- The system provides solution proposals by determining intra-operative inventory and by analyzing for operations at critical levels
- Mobile application
- Tablet or mobile applications specially designed for band chief and managers
- General and staff based reporting of each department for each band chief



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- Transmission of system warnings and analysis to the relevant band chief and manager
- Entries of the actions of the band chiefs to the system
- Tact Time
- Tact Time calculations
- Operation and personnel based cycle and lead time calculations
- Instant plant inventory status
- Scoring tracking
- Daily scoring entry of the staff can be done through the system
- Entering details such as leave, annual leave, maternity leave etc
- Machine usage analysis
- Model cost analysis
- Maintenance / fault and spare parts tracking
- Mobile maintenance / fault module (Mobile notification)
- Online maintenance / fault planning, status tracking
- Machine spare parts usage tracking
- Spare parts and consumables tracking



PERSONEL VERİMLİLİK RAPORU

Tarih : 01.01.2018 - 01.02.2018 Operasyon : Hepsi
Ünite : Hepsi Departman : Hepsi

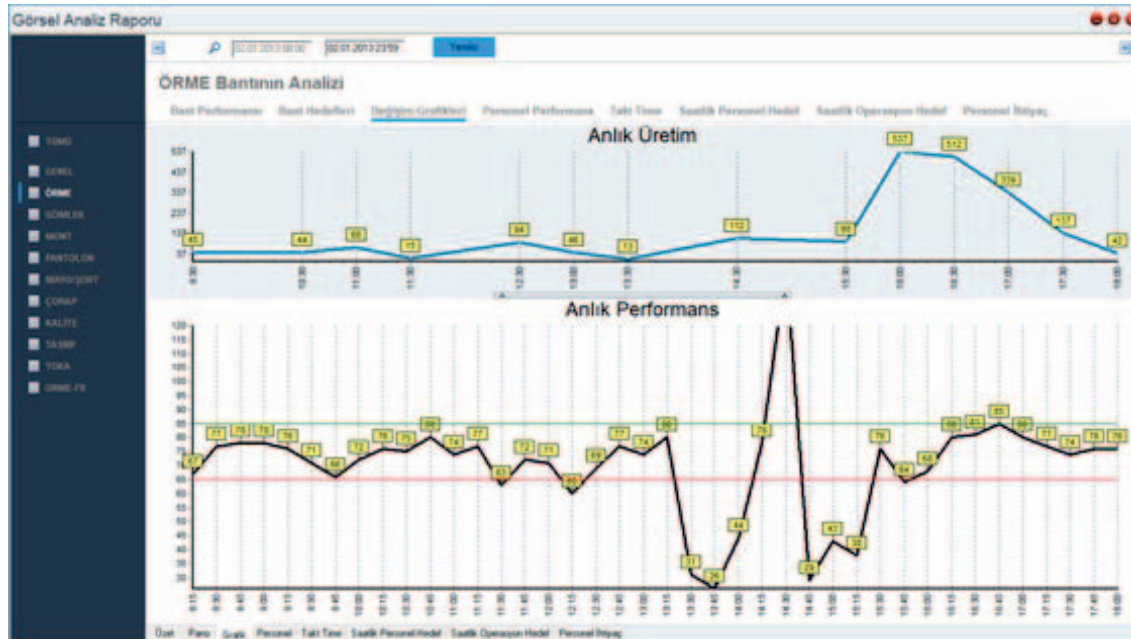
Pers. No	Sicil No	Personel	Puantaj Süresi	Puantaj Diğer Süre	Kart Başma Süresi	Toplam Standart Süre	Üretim Süresi Dk.	Ara Verme Süresi	Mola Süresi	Boş Süre	Demet Perf	Hesap Perf	Punataj Perf 3	Std Verim	Varım
780	062010	GAMZE DENİZ	13.210	600.47	12.807.4	0.00	0.00	2,973.97	958.25	9.278.0	%0	%0	%0	0.00	0.00
			27	600.47	12.807.4	8	0.00	2,973.97	958.25	9.278.8	%0	%0	%0	0.00	0.00

GENEL VERİMLİLİK

PUANTAJ + P. DİĞER - MOLA	%100	
PUANTAJ SÜRESİ - MOLA	%95.78	%4.2
ÜRETİM SÜRESİ + ARA VERME	%72.53	%23.25
	%23.25	%0.00
		%0.00 PERFORMANS

BANT İÇİ VERİMLİLİK

PUANTAJ SÜRESİ - MOLA	%100.00	
ÜRETİM SÜRESİ + ARA VERME	%75.73	%24.27
	%24.27	%0.00
		%0.00 PERFORMANS



Garment industry

Pre-production preparation operations

- It is the process that starts with the receipt of the order and continues until mass production
- Determination of order details, fabric requirement detection
- Detection of accessories and packaging material
- Determining Term
- Route operations
- Preparation of production molds
- Preparation of cutting, piece printing and sewing & ironing package instructions

Production

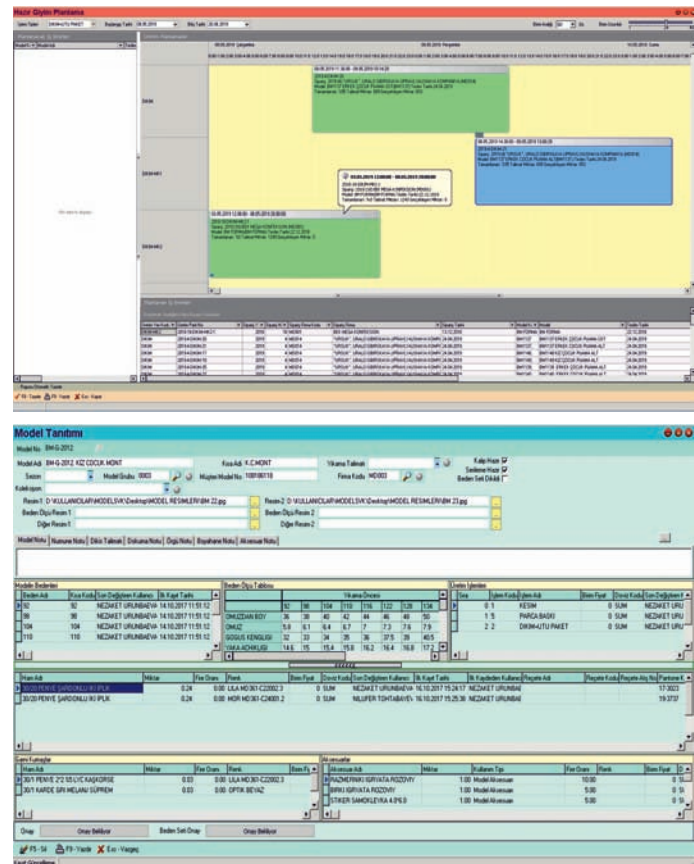
- Fason and internal manufacturing operations after necessary procurement and control operations
- Cutting, meto, grading, printing / sewing, operations

Post-production operations

- Quality control, buttonhole button, ironing, package and shipment procedures
- Customer specific packing list
- Packaging operations

Invoice procedures

Stock, accessory and material tracking







EGEMEN
SOFTWARE AND AUTOMATION



Egemen Software has been producing sustainable projects with its professional staff since 1999.

Egemen Software, which develops 80% of all domestic production projects for the textile sector, has successfully developed and continues to develop numerous individual projects in Turkey and abroad. The projects, supported by special production and economic devices, allows online monitoring of machines and processes in dyehouses, knitting plants, etc. With the data collected automatically or manually, many reports, analyzes and cost calculations such as machine efficiencies, dye / chemical consumptions, energy consumptions can be made.

İstanbul Center

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