

# BOARDING EYE

## What is Boarding Eye?

Boarding Eye is a MES (manufacturing execution system) software which is controlling the boarding section management and monitoring in the socks manufacturing factories.

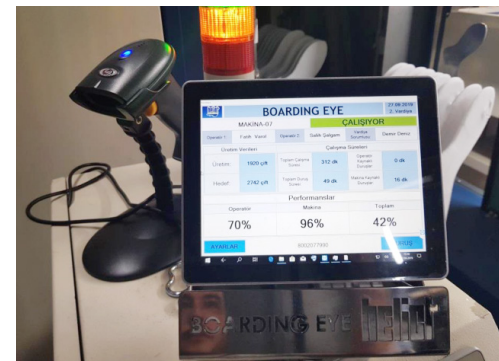
Boarding Eye increases the productivity by enhancing the efficiency. So, Boarding Eye watches true data, watches operators, watches machines continuously and keep all these information in database.

## Boarding Eye functions

- \* Data collection,
- \* Production monitoring,
- \* Stopping information,
- \* Reports
- \* Performance monitoring,
- \* OEE calculations.
- \* Instant notifications

## Data collection

All data collected from the machine PLC and sensors by a pc which is located on each machines. After collection, all data calculated and processed to show on the screen real-on-time basis and recorded on to database to reach any time.

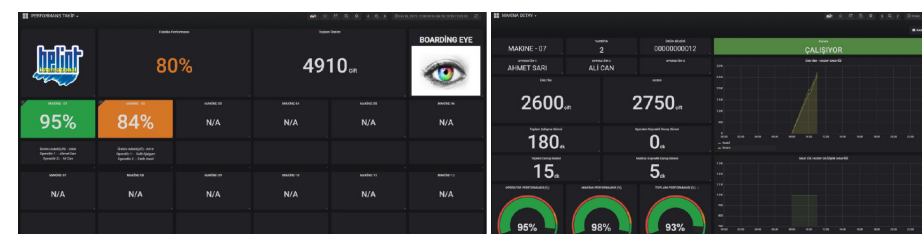


BOARDING EYE					21.11.2019 2nd Shift	
MACHINE-04		G7005301-11		RUN		
Operator 1:		Operator 2:		Operator 3:		
Production Data			Working Times			
Production:	3001 pairs	Total Working Time:	177 min	Operator Based Off Time:	0 min	
Target:	3004 pairs	Total Off Time:	11 min	Machine Based Off Time:	0 min	
Performances						
Operator		Machine		Total		
100%		100%		100%		
SETTINGS		STOP				

BOARDING EYE			21.11.20 2nd Shift		
MAC			Stop Types		
Operator 1:		No Operator		Form Change	
Production:		No Production		Maintenance	
Production:				0 min	
Target:		Break		Malfunction	
Target:				0 min	
1		Waiting For Socks		Specimen	
00:00:00		CLOSE		6	

## Production monitoring

Production quantities and efficiencies measures real on time machine basis as well as total. Also shown on the screen live basis.



## Stopping information

All stopping reasons collected and classified to report as wishes at any time and as well as to calculate the efficiency of the machine.

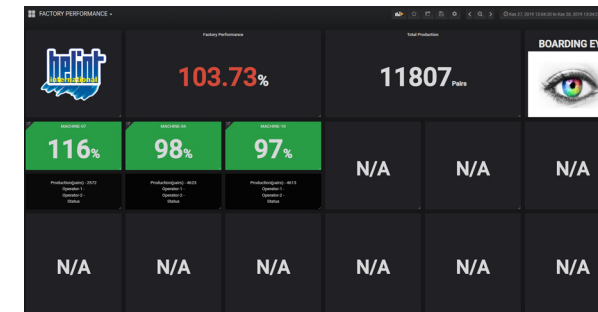
BOARDING EYE			
2nd Shift			
MAC	No Operator	Form Change	
Prod	No Production	Maintenance	0 min
Product	Break	Malfunction	0 min
Target	Waiting For Socks	Specimen	
1	00:00:00	CLOSE	6
SETTINGS STOP			

# CONTROLLING

## BOARDING SECTION

## REPORTS

### Performance report

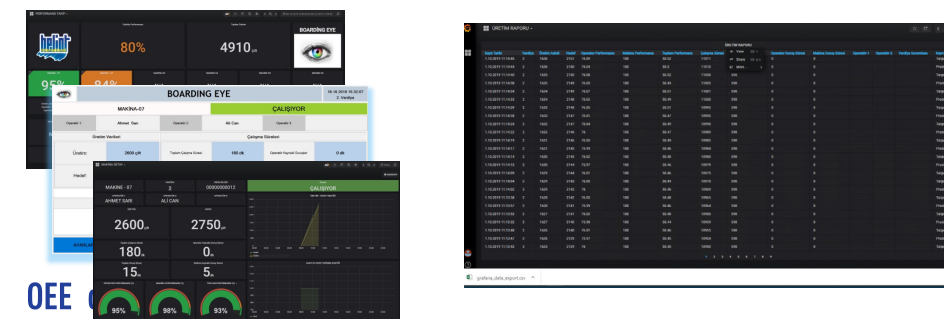


### Stoppings report

Machine	Shift	Off Time Type	Start Time	Finish Time	Defection	Defection Detail	Operator 1	Operator 2	Operator 3
MACHINE-04	1	Malfunction	29.11.2019 00:38:19	29.11.2019 05:43:07	Other	Other			
MACHINE-10	1	Break/acc	29.11.2019 03:44:44	29.11.2019 04:14:45					
MACHINE-04	1	Break/acc	29.11.2019 02:00:40	29.11.2019 02:10:40					
MACHINE-04	1	Break/acc	29.11.2019 01:59:41	29.11.2019 02:09:41					
MACHINE-10	1	No Operator	29.11.2019 00:02:29	29.11.2019 00:02:30					

### Performance monitoring

All operator and machine performances tracing and reporting by boarding section chief duration of production. These information can be checked by all boarding section labours simultaneously by the central main big screen.



## OEE

OEE is abbreviation of 'Overall Equipment Effectiveness'. It focuses on defections, equipment adjustments, stoppings and wastages. Basically it calculates three important parameters together. However it is possible to add some more parameters into the calculation if it is desired.

$$OEE[\%] = \text{Machine performance} \times \text{Operator performance} \times \text{Quality performance}$$

## Instant notifications

It is possible to configure instant notification to send to desired people about any selected information by the system automatically with desired application like e-mail, short messages or Telegram me.

Example below: Defection notification to maintenance team if the related function sated.

Defection Notification	
Alert MACHINE-07	

## Machine defections

BOARDING EYE			
18.10.2019 15:34:31			
MAKINA-07	DURUS		
Operator 1:	Altınel San	Operator 2:	
Üretim Verileri			
Üretim:	2600 gtl	Üretim Yolu:	Bakım
Hedef:	2781 gtl	Makina Arıza:	5 dk
Operator			
94%	00:00:08	98%	93%
AYARLAR PanoScreen DURUS			

## Defections ending

BOARDING EYE			
18.10.2019 15:34:41			
MAKINA-07	DURUS		
Operator 1:	Altınel San	Operator 2:	
Üretim Verileri			
Üretim:	2600 gtl	Üretim Yolu:	Bakım
Hedef:	2781 gtl	Makina Arıza:	5 dk
Operator			
94%	00:00:08	98%	93%
AYARLAR PanoScreen DURUS			

SOCKS FINISHING SOFTWARE



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