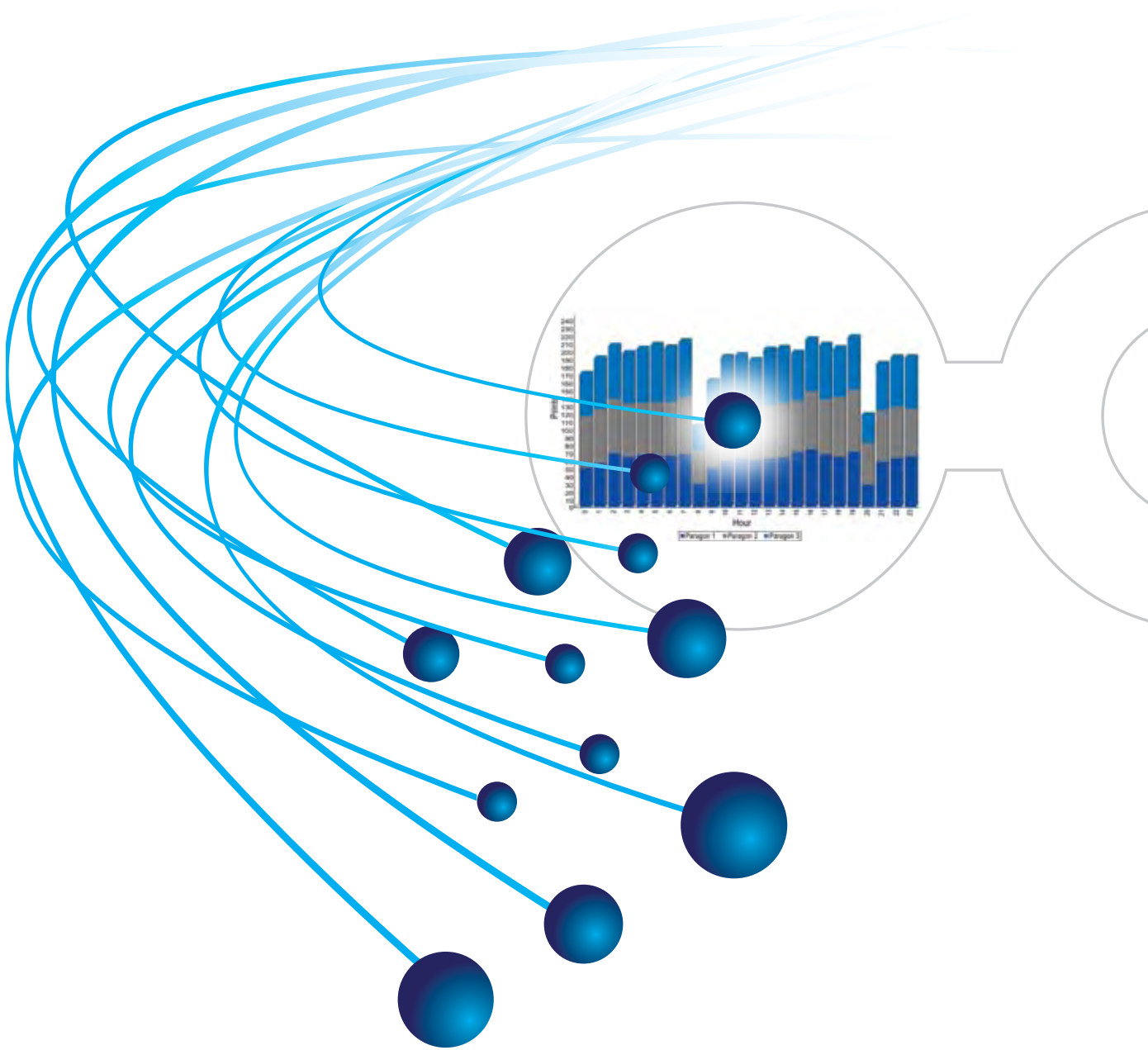


# Orbotech Customer Support

## Added Value Services

### Production Reports



# Added Value Services Production Reports

Maximize your production efficiency with the Production Report generator for Orbotech's LDI, AOI and laser plotter systems. Helping you to analyze site operation utilization, machines' performance and history, production reports are pre-defined, generated automatically and can be distributed by e-mail to relevant personnel.

## General options

- Reports can be generated from Orbotech's LDI, AOI and laser plotters systems
- Summary reports are generated from various pre-defined production reports
- Scheduled according to production needs and sent by e-mail in HTML format or PDF file
- Presented as chart, table or both
- Report text can be edited to include title, chart description and filter parameters as well as free text for explanations and guidelines
- Report customization capabilities supported by Orbotech's experts

## Benefits

- Fast, easy and highly-effective reports generation
- Clear, accurate and focused production overview
- Frequent reports for tight control on production efficiency
- Automatic report generation saves expensive data collection and reporting time
- Flexible structure allows customization per specific needs

## Report Structure - Examples

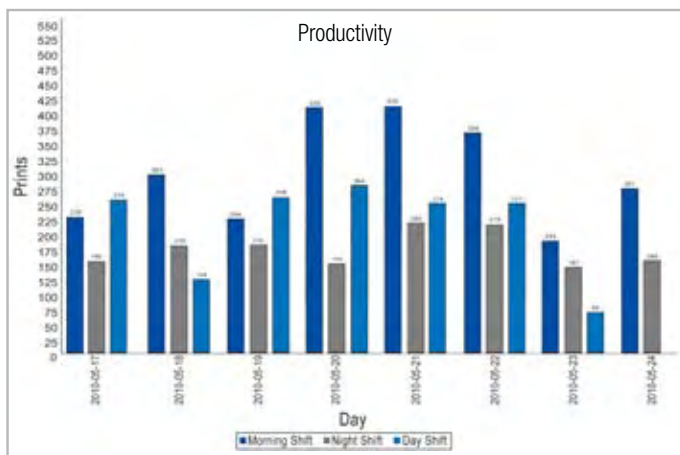
The report can include any of the following information:

### Productivity - Prints per day per shift

Report Title

Description: For each day separate bar shows the prints per shift  
 Filters: Date time between [2010-05-17 00:00:00.0, 2010-05-25 00:00:00.0]  
 Machine = Orbotech Paragon

Report Query Parameters



Report Chart

The chart represents the productivity of Orbotech Paragon #5 in the outer layer imaging room. Productivity of less than 150 panels per shift should be alerted and monitored.

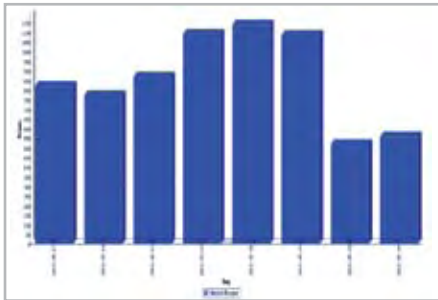
Free Text

Day	Morning Shift	Night Shift	Day Shift
2010-05-17	225	175	260
2010-05-18	300	190	140
2010-05-19	230	190	270
2010-05-20	420	160	290
2010-05-21	420	230	260
2010-05-22	370	220	260
2010-05-23	190	150	75
2010-05-24	280	160	0

Parameter Table

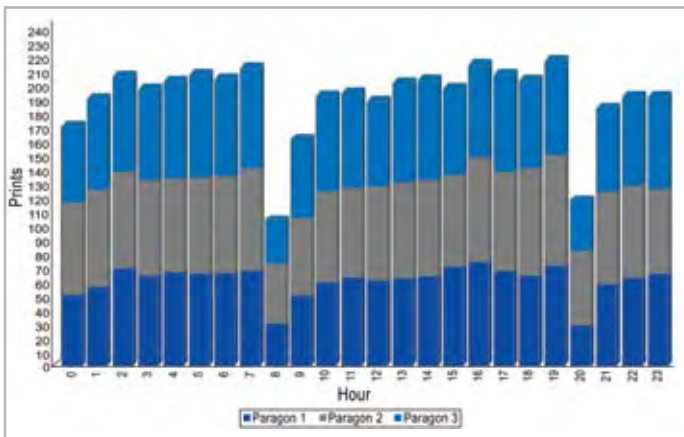
## Productivity Reports

Paragon's productivity – prints per day



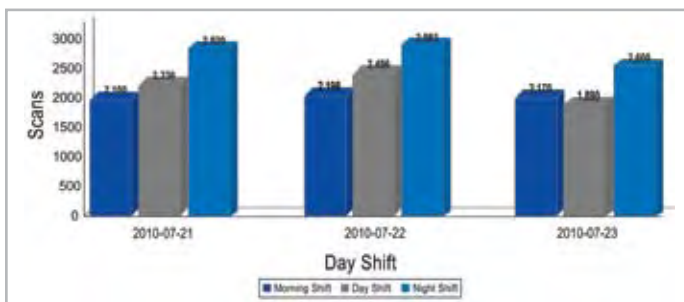
Less than 50% prints in the last 2 days

Paragon LDI prints per hour per machine



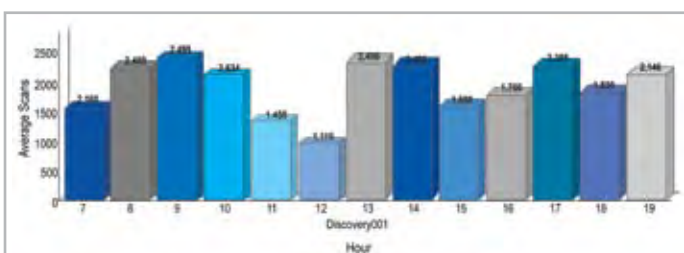
More than 50% drop in productivity during shift change

Discovery AOI scans per day per shift



Night shift shows 20% higher capacity than day and evening shifts

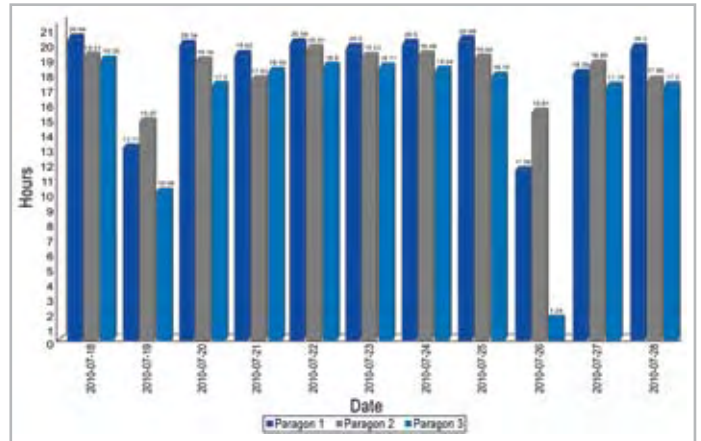
Average of inner layers scans per hour in Discovery AOI



Drop of 40% in the scan rate during lunch break

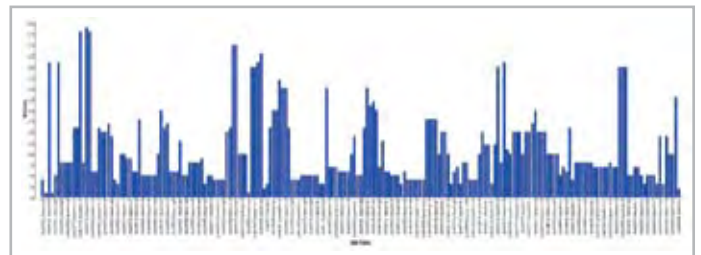
## Utilization Reports

Paragon LDI print time per machine per day

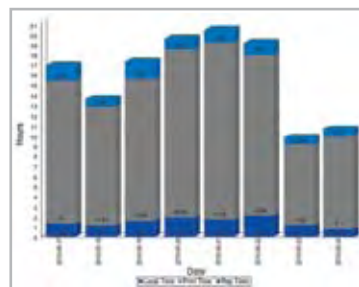


Machine no. 3 printed 2 hours only on 2010-07-10.

Paragon LDI number of prints per job-layer

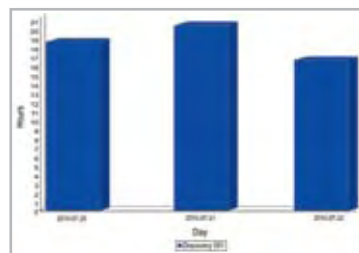


Paragon LDI machines utilization per day



System utilization split to setup, print and registration time

Average of Discovery AOI machine utilization per day

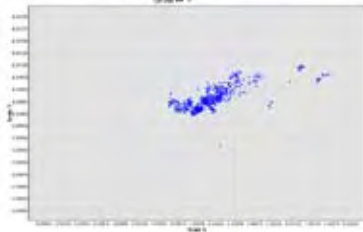


High AOI machine utilization in the last 3 days

# High Customization and Multilingual Support

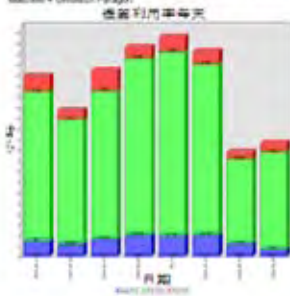
## 連續日子

Description  
 顯示連續的連續天數，能夠以圖形表格的方式顯示連續的天數和分布的集中度（折衷圖）  
 completion status = 0  
 LastTime = 0  
 Filters  
 Date time Between [2018-05-17 00:00:00.0; 2018-05-28 00:00:00.0]  
 Machines = Orbotech-Paragon



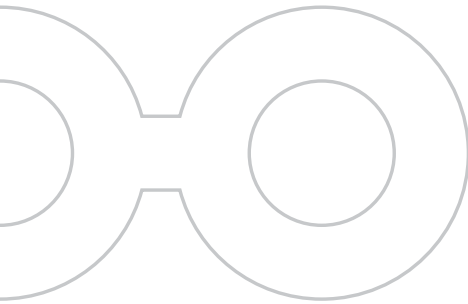
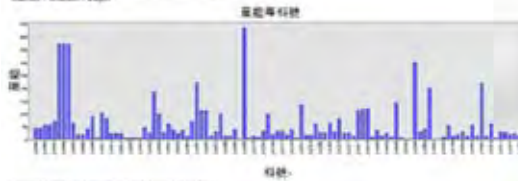
## 機器利用率每天

Description  
 顯示機器每天的工作時間（空閒時間大於10分鐘的不算在內）  
 Data for one system only.  
 Filters  
 Date time Between [2018-05-17 00:00:00.0; 2018-05-25 00:00:00.0]  
 Machines = Orbotech-Paragon



## 產能每小時

Filters  
 Date time Between [2018-05-17 00:00:00.0; 2018-05-25 00:00:00.0]  
 Machines = Orbotech-Paragon



PO881148(E)\_0910

[www.orbotech.com](http://www.orbotech.com)



**Orbotech Ltd.**  
 P.O. Box 215  
 Yavne 81102  
 Israel  
 Tel. (972) 8-942-3533  
 Fax. (972) 8-942-3966

**Orbotech Japan Ltd.**  
 LS Bldg., 1-1-17,  
 Kami-Osaki Shinagawa-ku,  
 Tokyo 141-0021  
 Japan  
 Tel. (81) 3-3280-1300  
 Fax. (81) 3-3280-1121

**Orbotech Inc.**  
 44 Manning Road  
 Billerica, MA 01821  
 U.S.A.  
 Tel. (978) 667-6037  
 Fax. (978) 667-9969

**Orbotech S.A.**  
 62, Rue de la Fusee  
 1130 Brussels  
 Belgium  
 Tel. (32) 2-727-4811  
 Fax. (32) 2-727-4848

**Orbotech Pacific Ltd.**  
 Room 2206-10  
 China Resources Bld.  
 26 Harbour Rd., Wanchai  
 Hong Kong  
 Tel. (852) 2827-6688  
 Fax. (852) 2827-6699