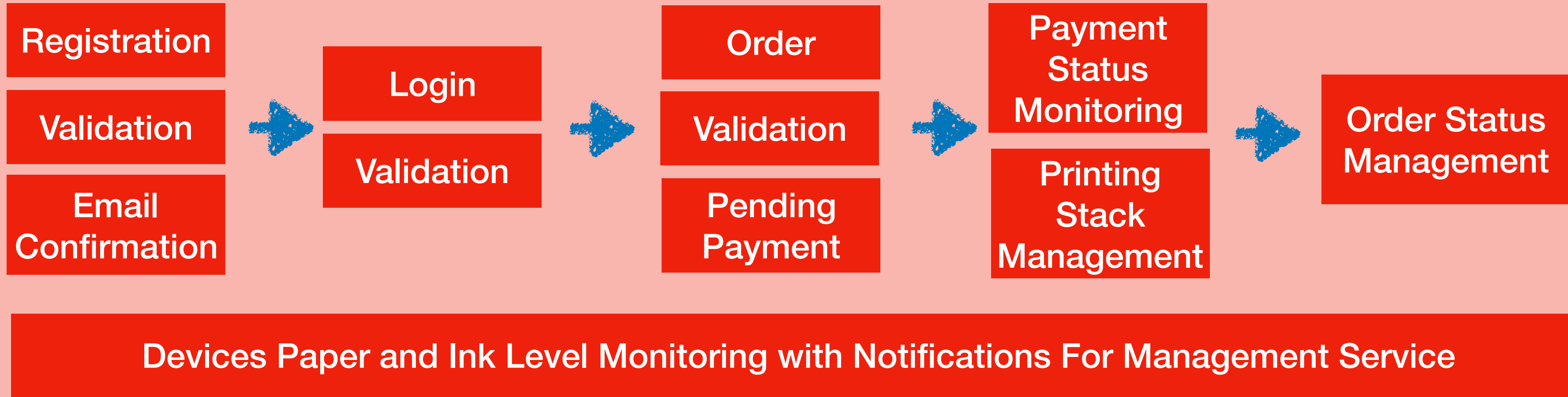


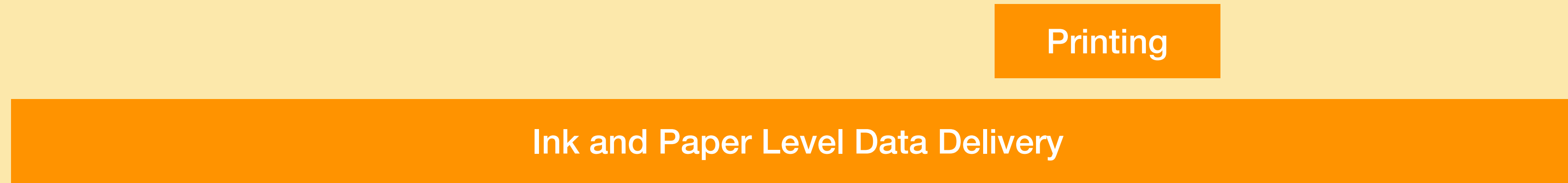
**Frontend Layer**



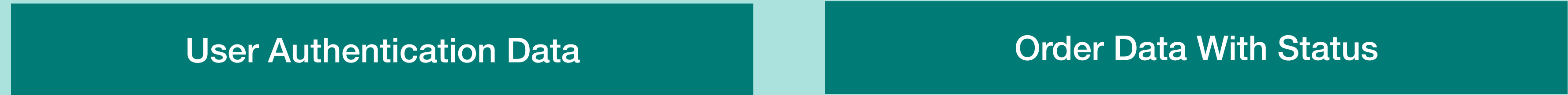
**Backend Layer**



**Devices Layer**



**Database Layer**



**Frontend Layer**

Admin Login

Orders Monitoring With Status

Orders Cancelation,  
Rescheduling

Printer Resources Monitoring

**Backend Layer**

Login

Validation

Remove from Printing Stack

Move in Printing Stack

Printing Stack Management

Devices Paper and Ink Level  
Monitoring with Notifications

**Devices Layer**

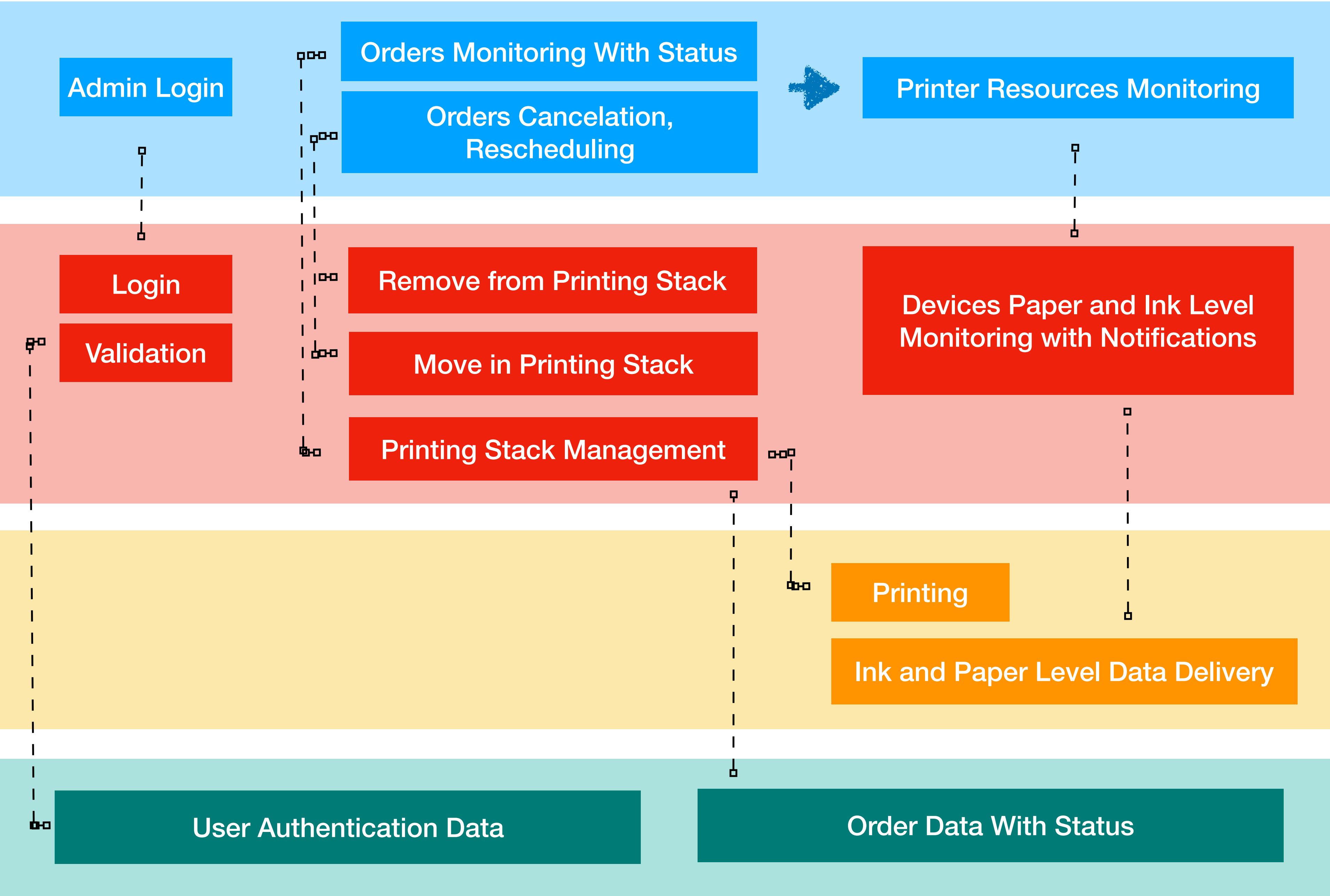
Printing

Ink and Paper Level Data Delivery

**Database Layer**

User Authentication Data

Order Data With Status



## USER ENTITY

Id

Name

Surname

Email

Phone

Address

City

Post Code

Country

## ORDER ENTITY

Id

File in Mongo DB or Blob  
Storage URL to File

Order Status  
(pending payment, paid,  
printed, waiting for pickup/  
sent)

## DEVICE ENTITY

Id

Device Name

Number

Ink Level Data

Paper Level Data

## ADMIN ENTITY

Id

Name

Surname

Email

Access Token

Color: black, opacity 0.65

Color: rgb(49,117,181)

# Welcome in Xprint!

Color: rgb(255,251,126)

We will print and  
deliver your printings  
directly to your door!

Color: black, opacity 0.76

Color: black, opacity 0.65

Login Here

Email

Password

Color: rgb(219,59,38)

Login

Don't have account yet? Register here!

Color: rgb(240,188,65)

Register



## New printing order

Title

Print type

Select

file.doc

Select

Payment type

Select

Delivery type

Select

Delivery Date

Select

Color: rgb(147,146,146)

Pages: 78  
Type: Color(25) Black(53)  
Delivery: Pickup (Bazyńskiego 2)  
Date: 20.07.2019

Price: 77 PLN

Pay and Order



# History (2)

Title: My thesis

Ordered: 21.06.2019

Pickup/Delivery: 25.06.2019      Pickup: Bażyńskiego 2, Gdańsk

In progress

Title: My project preview

Ordered: 1.06.2019

Pickup/Delivery: 2.06.2019      Pickup: Bażyńskiego 2, Gdańsk

Delivered

Color: rgb(84,173,50)



Color: rgb(219,59,38)





Color: rgba(214,213,213,0.77)



Search by order id, title

Title: My thesis  
Ordered: 21.06.2019  
Pickup/Delivery: 25.06.2019

Pages: 77  
Type: Color  
Type: Color

Estimated printing started:  
Today: 14:53  
Estimated printing finished:  
Today: 14:57

Title: My thesis  
Ordered: 21.06.2019  
Pickup/Delivery: 25.06.2019

Pages: 77  
Type: Color  
Type: Color

Estimated printing started:  
Today: 14:53  
Estimated printing finished:  
Today: 14:57

Title: My thesis  
Ordered: 21.06.2019  
Pickup/Delivery: 25.06.2019

Pages: 77  
Type: Color  
Type: Color

Estimated printing started:  
Today: 14:53  
Estimated printing finished:  
Today: 14:57

Title: My thesis  
Ordered: 21.06.2019  
Pickup/Delivery: 25.06.2019

Pages: 77  
Type: Color  
Type: Color

Estimated printing started:  
Today: 14:53  
Estimated printing finished:  
Today: 14:57

Color: black, opacity 0.65



Device id: 1234

50% Ink C:

50% Ink M:

50% Ink Y:

50% Ink K:

500 pg Paper:

Printing Stack: 1000 color | 2000 black

Estimated resource refill time:

Ink C: Today 17.35

Ink M: Tomorrow 08:53

Ink Y: Tomorrow 09:46

Ink K: Today: 09.33

Paper: Today: 15.40

Schedule tech break





Search by printer id



Device id: 1234

Estimated resource refill time:

50% Ink C:

Ink C: Today 17.35

50% Ink M:

Ink M: Tomorrow 08:53

50% Ink Y:

Ink Y: Tomorrow 09:46

50% Ink K:

Ink K: Today: 09.33

500 pg Paper:

Paper: Today: 15.40

Printing Stack: 1000 color | 2000 black

Schedule tech break



Device id: 1234

Estimated resource refill time:

50% Ink C:

Ink C: Today 17.35

50% Ink M:

Ink M: Tomorrow 08:53

50% Ink Y:

Ink Y: Tomorrow 09:46

50% Ink K:

Ink K: Today: 09.33

500 pg Paper:

Paper: Today: 15.40

Printing Stack: 1000 color | 2000 black

Schedule tech break

Technical Callendar:

TODAY 14:00



Device id: 1234

Todo: C|M|Y

Paper refill: YES