

Application Success Stories



Betsukawa Co., Ltd.
Power Distribution &
Power Control Box Coating



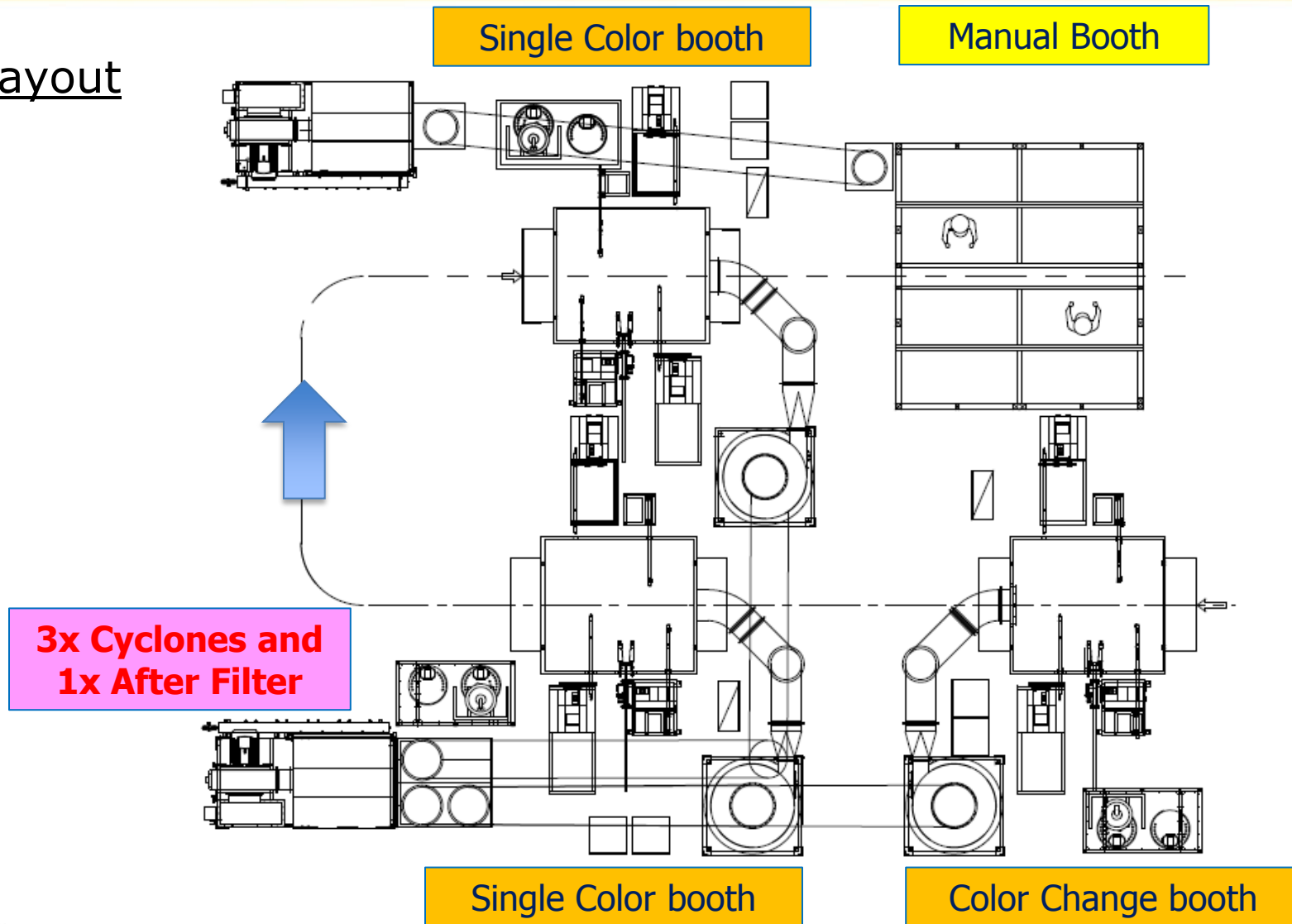
**Expand Production
Capacity &
Add. Color change**

**Improve Transfer
Efficiency &
Reducing touch up**

**Improve Coating
quality, Clean &
Safe environment**

Application Success Stories

Layout



Application Success Stories

Installation Key Data

Parts: Power Control & Distribution BOX

Parts Size: 2500(L)x1000(W)x2500(H)

Conveyer Speed: 2.5m/min

Scope of Delivery:

- 3x Diamond Automatic Booth
- 3x OptiFlex AS04-10P
- 3x OptiFlex AS04-8P
- 6x ZA06-18/XT11-10
- 3x ZA06-18 / Positioner
- 3x PH200+PS2
- 3x PH200
- 3x Cyclone
- 1x 16000m³/h Filter
- 1x Manual Booth
- 2x OptiFlex2 B
- 1x 16000m³/h Filter



Application Success Stories



Company Profile:

Since the foundation in 1952, Betsukawa produces the electric power control units and power distribution boxes, and is now also supplying the high-tech automation system for controlling electric power and air condition.

Customer Demands

The production ratio inside the plant is 70% liquid coating and 30% powder coating. With its old powder coating line the customer faced the following problems:



- * Powder escaping to outside, therefore no clean environment
 - * Inconsistent transfer efficiency
 - * Huge amount of waste powder
 - * Quality problems with recovery powder
- Therefore, Betsukawa decided to upgrade its powder coating line to eliminate those problems.

Key of Gema Success:

They installed 3x automatic booths, removing the old powder booth, with very unique design including 3x cyclone with 1x filter unit and only with small conveyor changes.



In conclusion, with Gema the product diversity could be increased and also the following advantages realized:

- * **1.5x times higher Productivity**
- * **Improved transfer efficiency**
- * **Decreased touch-up needs**
- * **Realization of multi color recovery**
- * **Decreasing powder consumption**
- * **Improved coating quality**
- * **Clean working environment**
- * **Reduced VOC**