

Application Success Stories



En System Co., Ltd.

Aerial Work Platform's powder coating

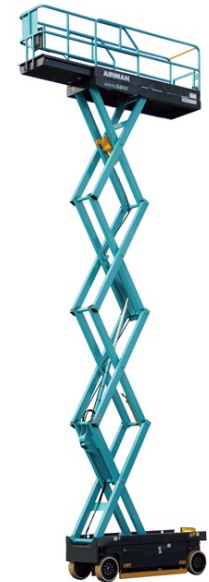


Automated powder
coating & manpower
saving



Main color powder
recycling

AIRMAN®



Expanding productivity
and quality stability

Application Success Stories

Installation Key Data

Objects: Parts of aerial work platforms

Parts Size: 2300mm (L) x 600mm (W) x 1400mm (H)

Conveyer Speed: 2 m/min

Scope of delivery:

1x MagicCompact® EquiFlow® BA04

1x MagicControl CM30

1x OptiFlex® Automatic AS08-4P

2x Reciprocators ZA07-13/XT10-09

1x PH150 + Sieve Machine PS2-2

1x Fresh powder system FPS11

1x Single color filter 16'000 m³/h

2x ClassicLine Manual booth

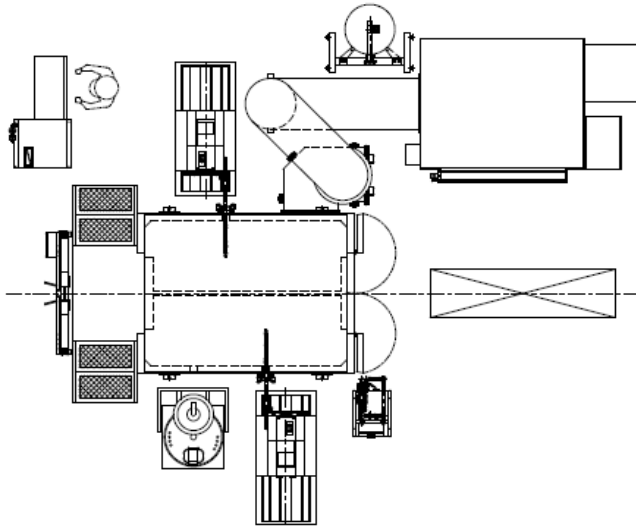
2x OptiFlex 2 B Manual unit

1x Filter 24'000 m³/h

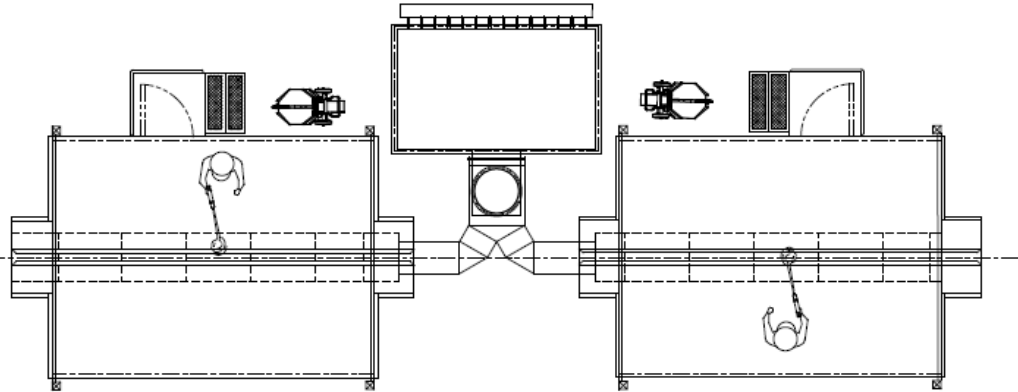


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Layout



Automatic single color booth



2x Non recovery manual booths with 1x filter

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Company Profile:

In July 1987 production started of VTR magnetic heads as Airman Electronics Co., Ltd. In March 2000 it became a wholly owned subsidiary of Hokuetsu Industries which is known as the AIRMAN trademark.

As a company policy they realize and provide original products to customers who want to differentiate themselves from other companies by utilizing the technology cultivated in construction machinery and industrial machinery.

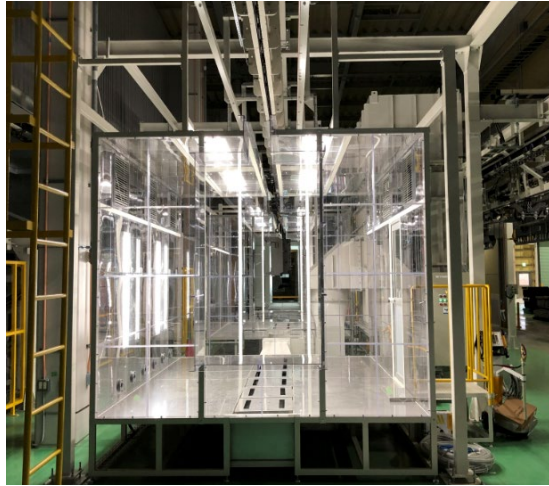
Today, they are engaged in many OEM productions not only for own products but also for the rental market. In December 2019, a new factory was opened by improving the coating quality of aerial work platforms and expanding production capacity.

Company Expectations:

At the old factory all powder coating was done manually. Therefore, it is very difficult to improve productivity and efficiency and the burden on

employees such as overtime work and holiday work during busy seasons. In addition, because of the manual coating work, there are many problems such as quality stability and labor costs. At the new factory it was desired to solve these problems also recycle powder, reduce powder consumption high powder transfer efficiency, and improve the working environment.

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Key to Gema Success:

Due to construction space and budget limitations, they had to give up the color change system which was the most desirable but they realized that the automatic coating of the main color allowed them to collect and reuse the main color. The realization of an automated booth has made it possible

to automate 60% of the entire coating process. This automated booth has resulted in a number of benefits such as minimizing overtime, stabilizing the quality of the coating process, saving labor and reducing powder consumption with the high-performance, high-efficiency coating equipment.

For other colors, they continued to use manual guns in a local made booth. In addition, the company's parent company, Hokuetsu Industry, already has a Gema coating line in operation and its success story also contributed to the introduction of the Gema.