

3in1 Multi Dry Filter



Automaker For Paint Line

Reduce the rate of defects



1 Paint defect rate **7%**

Paint factory

Our defect rate hasn't moved in a long time. Isn't there anything more we can do to improve our paint quality?

2 But, maybe we have to resign ourselves to the fact that since we need to have policies on air quality at the factory, defects are bound to happen...

3 Impurities in the compressed air

0.3µm	110
0.5µm	15
0.7µm	3
1.0µm	1
3.0µm	0

What?! The air given off by paint robots is dirty.

MAEDA SHELL SERVICE came to measure* the cleanliness of the air using a particle counter.

Clean factory

*Our patented compressed air measurement techniques are used.

5 We placed **3in1 Multi Dry Filter** as a clean air measure for the paint robot

0.3µm	0
0.5µm	0
0.7µm	0
1.0µm	0
3.0µm	0

Whoa! The impurities, which used to be above 0.3µm, are now 0.

4 Causes pinholes, cissing, uneven paint, etc.

Dirt in compressed air

Oil Moisture

Contaminated compressed air can be a cause of paint defects.

I see.

It has contributed to improvements in paint quality.

Paint defect rate (%)

Before	After
7%	3%

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6 Defect rate improved to 3%! Among those, defects thought to be caused by compressors were brought down to 0%.

We've made improvements, thanks to you!