

3in1 Multi Dry Filter



Demo QR Code

Automaker For Paint Line

Reduce the rate of defects



Impurities in the compressed air

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

The air given off by paint robots is dirty.

Shell Service came to measure* the cleanliness of the air using a particle counter.

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...

Clean factory

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?

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 |

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

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.



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!

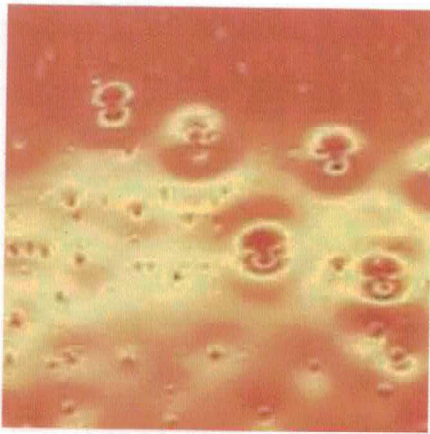
*Our patented compressed air measurement techniques are used.

Painting: One point lesson

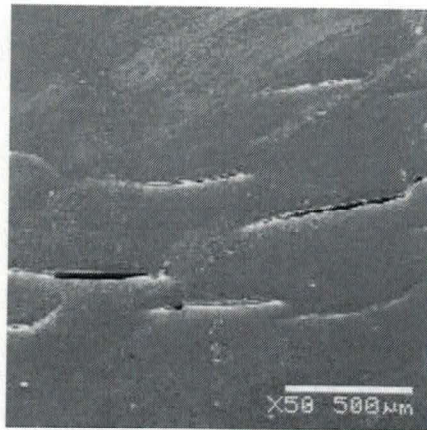
For painting, compressed air is used absolutely

- Main painting sort:
- Electro deposition: dipping work in water soluble resin liquid and painting it through DC current. (anti-rust of car body)
- Electrostatic spray painting: Charging atomized paint to negative and work to positive. Absorbing it by electrical attraction.
- Powder painting: Charging powder paint (resin system) with static electricity and spraying it. After that , baking it by furnace with high temperature.

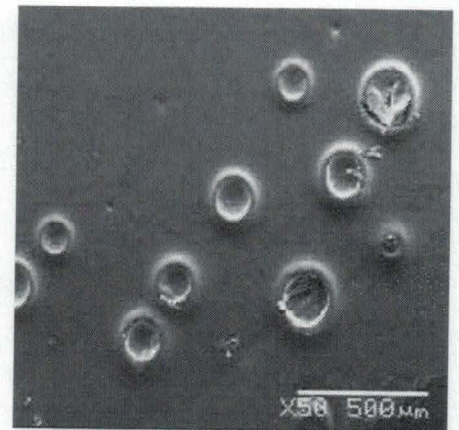
If quality compressed air is poor,



cissing, crawling, fish eye



Crack



Pinhole

Main reason for the above NG is due to impurity in compressed air.

***With supply of clean compressed air through installation of 3in 1 Multi dry filter, you can remove Painting NG like Cissing, Crawling, Fish eye, Crack, Pinhole etc.**

