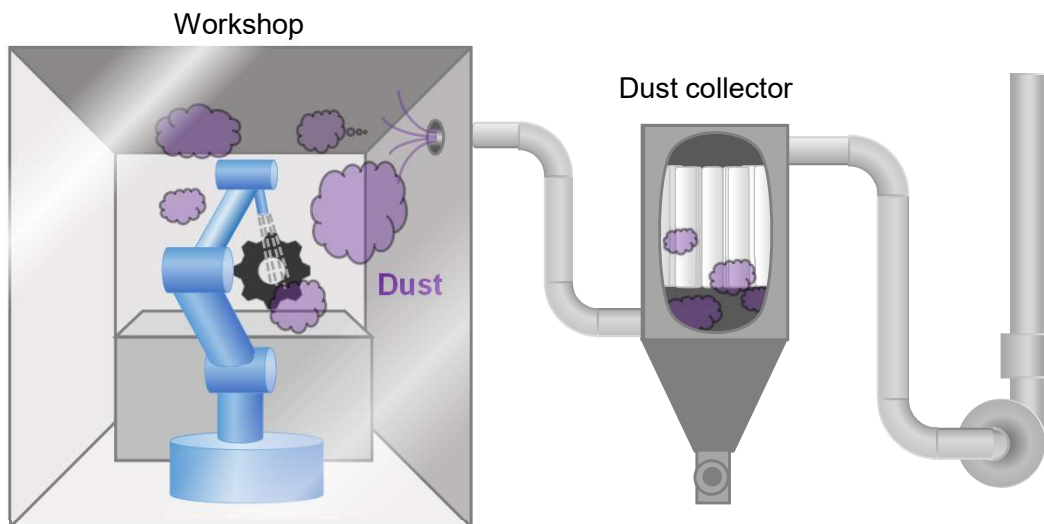


Risk monitoring against dust explosion

Problem for shot blasting

Application for off-limits shot blasting working area



Magnesium dust is generated by shot blasting

If a dust collector is broken, the enclosed room will be filled with dust, which results in a **risk of dust explosion**.



For risk prevention, **the dust concentration** should be monitored to confirm whether **the dust collector works well without filter breakage**.



3 conditions required for a dust monitoring sensor

- ① **Easy and simple installation**
- ② **Continuous monitoring of dust concentration**
- ③ **Remote monitoring**

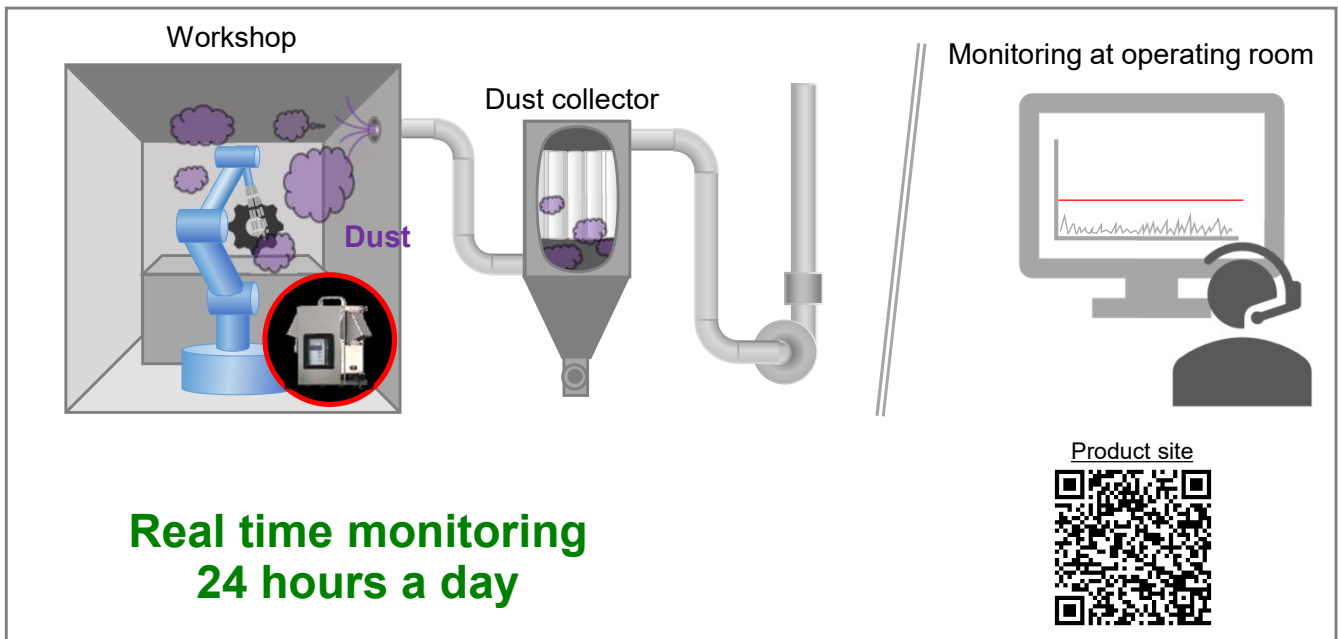
Matsushima Measure Tech Co.,Ltd.

Features of Air Dust Monitor

- ✓ Easy to carry with a handle
- ✓ 24 hours continuous measurement of dust concentration with self-sucking function
- ✓ Remote monitoring with analog output and alarm contacts

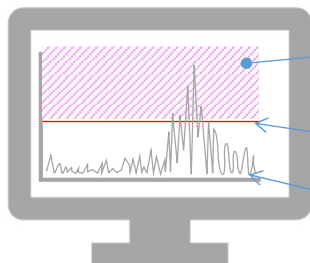


Air Dust Monitor (Dust indicator)



Application

The higher value measured by Air Dust Monitor is set up to activate a dust collector, which results in **energy saving effect**.



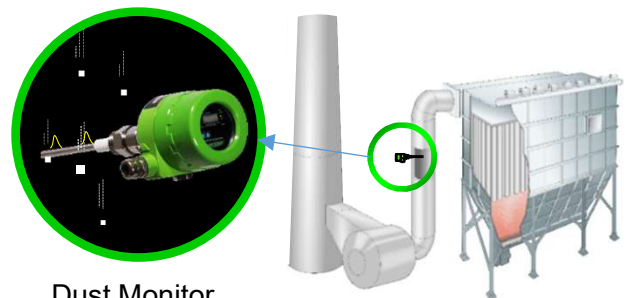
Dust collector is activated when the measuring value is in this range.

Switching line

Dust concentration graph

Another model

Another model, Dust Monitor, which is installed at piping after dust collector, monitors dust concentration for bug filters breakage as **predictive maintenance**.



Dust Monitor

Distributor

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