

Process Coating

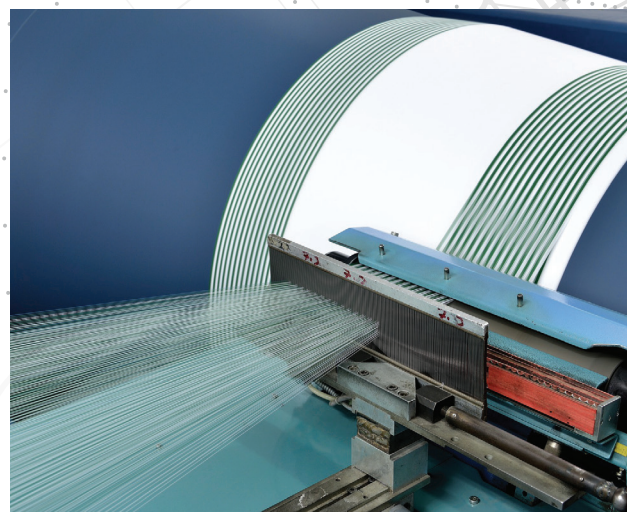
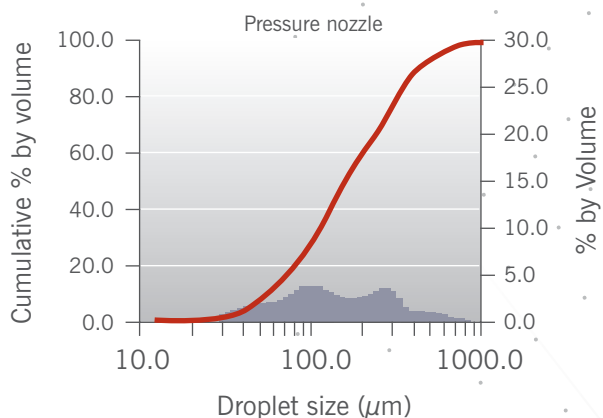
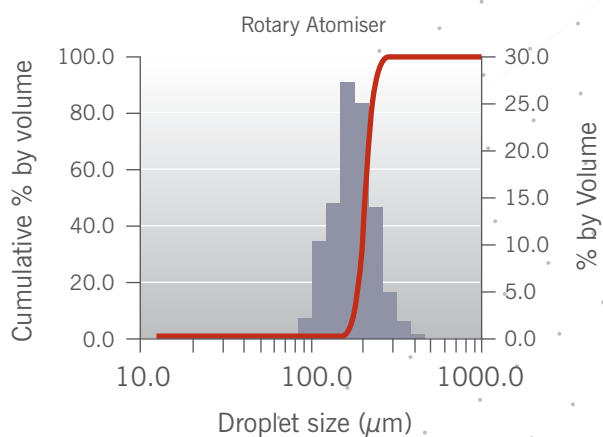
Micron rotary atomisers offer major benefits in coating applications by applying precisely controlled droplet sizes allowing for low volume applications, targeted sprays and minimal product waste.

Uneven coating application leads to losses in quality, increased scrappage and increased costs. Rotary atomisers provide for precision spray application and consistent coverage of the target.

The desired droplet size range can be selected by varying the rotational speed of the atomiser. Consistent performance is ensured over a wide range of flow rates and therefore conveyor speeds.

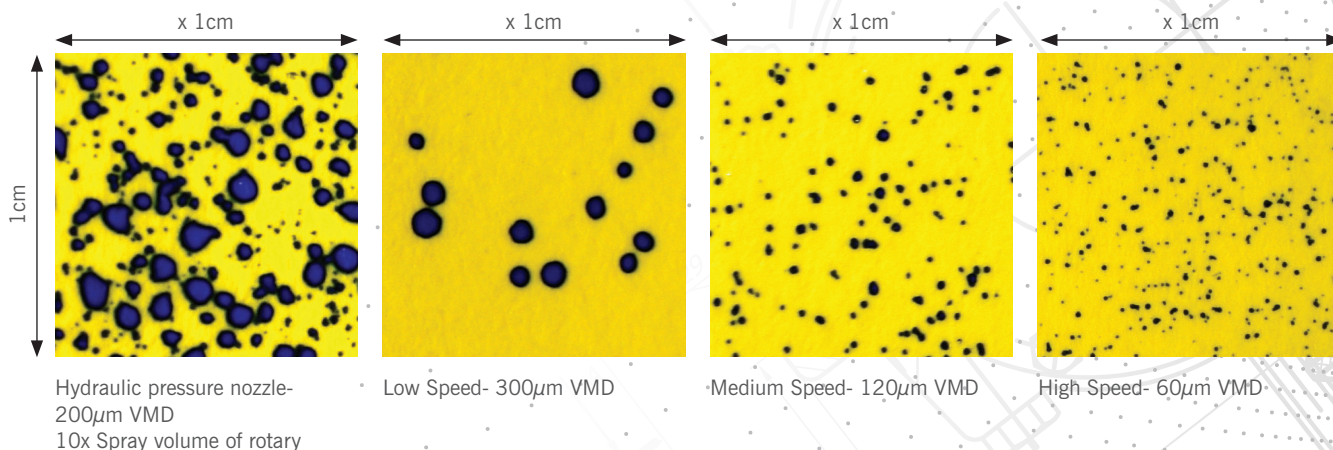
Micron industrial atomisers benefit from long life durable brushless motor technology and can be supplied with electronic speed control.

Example of a rotary atomiser droplet spectrum compared with a standard pressure nozzle



Comparison of spray patterns

Spray deposits under Microscope. Hydraulic pressure nozzle (far left) vs. Rotary atomiser at low, medium and high rotational speeds. Rotary atomisers achieve consistent coverage, even when operating at very low 'spray' volumes.



Installation, maintenance and energy costs for the Micron rotary atomisers are very low as they require no air compressors, high pressure lines or demand high power requirements.

Small and lightweight design makes rotary atomisers simple to incorporate into new systems or retrofit into existing ones. Units are available with sectorial spray patterns to accurately target spray conveyor lines with a fan spray pattern at defined spray widths.

As there are no small orifices the risk of blockages is minimised reducing downtime and maintenance. Atomisers are not prone to nozzle wear ensuring droplet size is maintained throughout its lifetime.

These benefits provide for more efficiency in spray applications and reduced process costs.

