



OSS: AUTOMATIC NOZZLE CLEANING INCREASES PRODUCTION QUALITY

In lacquer spraying systems, the application nozzle can often become blocked after a break in production, sometimes even during production. Water-based lacquer systems are particularly prone to blockage. Now, however, manual removal of lacquer deposits is no longer necessary. Soudronic has developed a nozzle steam cleaning system (SCS), which guarantees higher production reliability and quality of seam coating.

Although water-based lacquers are becoming increasingly commonplace in outside seam applications, they have a downside: lateral build-up of lacquer as a result of the drop in pressure after they leave the nozzle. This build-up can have a negative impact on the lacquer jet. Today, the nozzle has to be cleaned periodically by hand.



Nozzle after breakdown

Now, thanks to the optional SCS for nozzles, manual cleaning is no longer necessary. If the sensor detects an irregularity in the lacquer spray jet, the defective can is rejected and a spray nozzle cleaning process automatically launched. Production is stopped

ADVANTAGES

- Higher line efficiency thanks to shorter cleaning time and cleaning cycles after line stops.
- No more time spent cleaning by hand
- Fully automatic cleaning.
- Higher production reliability and quality of application.
- Rapid, contact- and chemical-free cleaning.

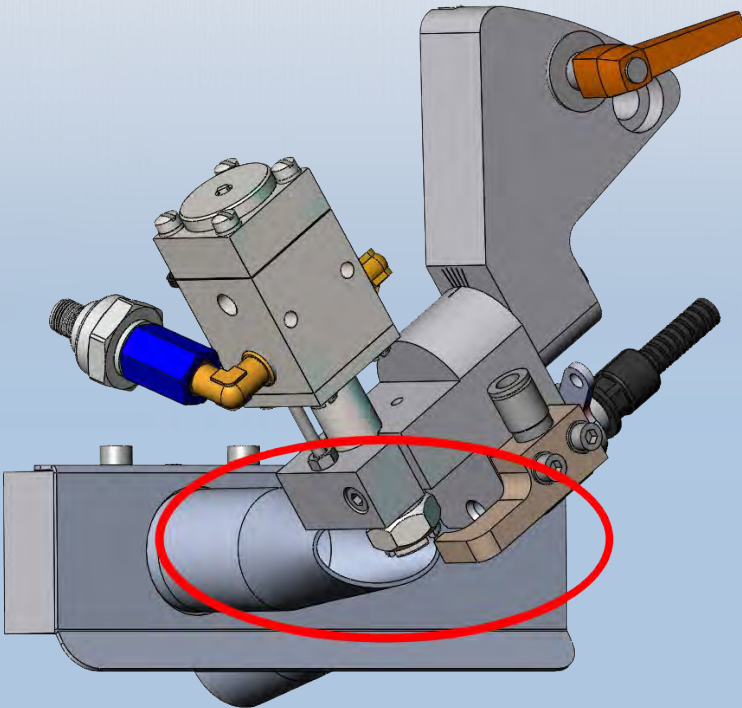
AVAILABILITY

Retrofits require the following:

- Latest generation of OSS, date of delivery fourth quarter of 2016.
- UNICONTROL 3 control unit.
- Use of distilled water.

fully automatically for a short period, and the nozzle is cleaned. This ensures perfect seam coating after a minimum interruption of production.

Nozzle cleaning is also performed before commencement of production if the line has been stopped for several minutes. In addition, the operator can trigger a cleaning cycle manually at any time. The nozzle is cleaned by steam. This facilitates rapid, contact- and chemical-free cleaning. The integrated internal vacuum prevents lacquer deposits building up in the machine from the cleaning process.



Situation of
lacquer spray nozzle
with nozzle cleaning
and internal vacuum

Technology that keeps you ahead

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