

MTM-Steam Cleaning System for Stainless Steel Profiles

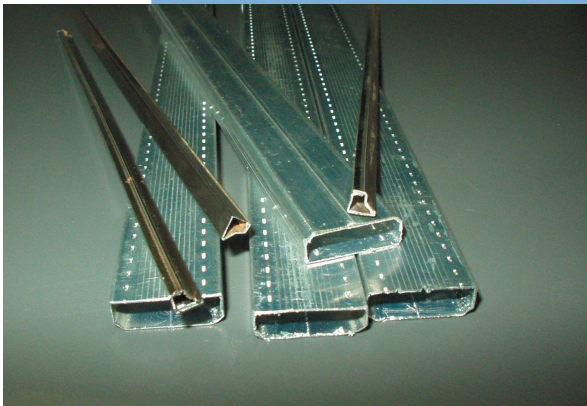
MTM-Throughput cleaning system for tricky application

MTM has had a long presence in the international market as a manufacturer of parts cleaning systems.

Now, MTM has delivered a compact, high performance throughput cleaning system for stainless steel profiles.

A market leader in sun screening technology (lamellae, blinds, etc.) needs a throughput system for stainless steel profiles.

These profiles are closed and folded sections made of stainless steel sheets. The sheet metal is rolled off by a coil and then profiled.



Rectangular and polygon profiles to be cleaned by steam



Fluting - MTM-Steam cleaning system (with switch cabinet) - filling measuring

The cleaning problem

The sections are covered with drawing oil, because of the profiling process by the metal band coil. They must be cleaned immediately afterwards in the run.

The throughput quantity is dependent on the profiling speed and is about 20 metres per minute.

The section ($W \times H = 5 \times 4$ mm) must be spotless as well as dry on the inside and outside.

After the cleaning the sections are cut and packaged for shipping.

Processing

The profiles are cleaned with steam in a closed cleaning system. The MTM-Destimat produces 2-5 bar water steam from tap water, which is then aimed by a jet directly onto the preheated surface of the passing profile.

The drawing oil is cleaned off the entire surface.

The oil is collected as it runs off and then separated out.

Reliability in continuous operation

The MTM system runs in a three-shift operation (6 workdays a week).

Advantages:

- State-of-the-art, patented MTM system technology
- Energy efficient operation with a maximum of only 15 kW power input
- A space efficient solution; the measures of this compact solution are 1,900 x 800 x 2,300 mm (LxWxH), the switch cabinet is mounted on the system
- Simple maintenance
- The system can be retooled very easily for other profile models

Are you interested in washing experiments?

Please send us your samples directly to our technology division:

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