

Microp Next

More than just a paint economizer, it's the brain of your finishing line.

Based on latest-generation industrial PLCs (no longer relying on dedicated hardware control units), Microp Next is:



Scalable

It grows with your needs.



Flexible

The customer decides which functions to activate.

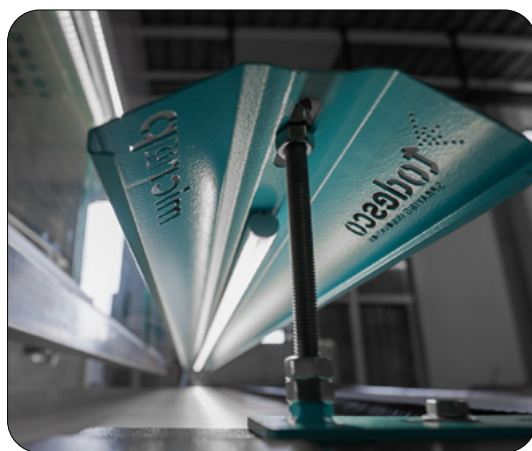
Key functions

Paint economizer

- » High-definition reading bar (<5 mm), encapsulated in high-resistance, easy-to-clean glass.
- » Communication with the central unit via ProfiNet.

Recipe management

- » Unlimited database.
- » Parameters storable for each article: spraying, process, and setup.



Microp Next is the new control system developed by Todesco for finishing lines.



Modularity and scalability



Microp Next can integrate various functions, including:

Drying tunnel control

- » Blowers, humidity, internal and grain temperatures.
- » Steam valves, gas burners, IR lamps.

Spray booth control

- » Pressurization, water veil floor, environmental parameters.

Dust abatement system management

- » Motors, pumps, nozzles, filters.
- » Outgoing air control, water loading/unloading.

Machine operation management

- » Color loading, circuit washing, production change.

Advanced monitoring and diagnostics

Thanks to the ProfiNet protocol, Microp Next detects the status of every component in real-time: from a motor to a solenoid valve.

Integrated with Statwatch, Todesco's SCADA system, it offers:

- » Automatic analysis of setup times and line downtime.
- » Monitoring of chemical, electrical, thermal, and water consumption.
- » Data available for each individual batch.
- » No manual operations required from the operator.
- » Support for time-based maintenance management and analysis of machinery usage.

Did You Know?

With Microp Next, you can adjust the spray gun opening and closing advance in real-time, maximizing machine efficiency. Additionally, you can compensate for speed variations caused by the thickening of conveyor belt wires.