



Fully Automated Conditioning

ON-LINE CONDITIONING STATION OCS

Maximum efficiency for your Thermal desorption

Automated conditioning for reliable TD workflows

GERSTEL On-Line Conditioning Station (OCS) is a fully automated solution for conditioning and reconditioning TD tubes, AutoTwister rods, Twisters and related sampling devices – either on-line within an analytical workflow or off-line as a standalone preparation station.

Using controlled heating and inert gas flow, OCS delivers clean, reproducible conditioning without manual handling or exposure to ambient air. The system also supports conditioning of Thinfilm-SPME devices, extending the capabilities of modern sorptive extraction workflows.

Why automated conditioning?

Manual or off-line conditioning is time-consuming, error-prone, and often blocks analytical systems. OCS eliminates these limitations:

- No manual handling or air exposure
- No need to occupy a TDU for conditioning
- Conditioning immediately after use
- Reduced turnaround time and operator effort
- Consistent and reproducible conditioning results



What makes OCS special?

- Conditions tubes as they are used
- Automated heating with controlled inert gas flow
- Rapid cooling after conditioning - no tube is removed hot
- Compatible with AutoTwister, TD 3.5+ and TDU2 formats
- Supports standard 3.5" TD tubes – vendor-independent
- Compatible with Thinfilm-SPME devices
- Fully automated workflows with minimal Parameters
- On-line or off-line operation



Result: Reproducible conditioning, improved precision and lower detection limits – without upgrading analytical hardware.



Typical applications

- Environmental air monitoring
- Emission and migration studies
- Odor and off-flavor analysis
- Polymer and packaging analysis
- TD workflows with “dirty” or high-load samples

OCS transforms conditioning from a manual bottleneck into a fully automated, reproducible process – improving both data quality and laboratory efficiency.

Your benefits in everyday laboratory work

- Frees up instrument time for analysis
- increases throughput by removing the off-line time spent
- Lower cost per sample
- Improved precision through automation
- Ideal for routine and regulated workflows



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Velaris reserves the right to change the specifications and the appearance of the equipment without further notification.

Version 1.0