

The new GERSTEL ^{Auto}Twister:
Fully automated SBSE / Twister® workflow
for solvent free “green” extraction

The GERSTEL ^{Auto}Twister revolutionizes the solvent-free extraction process by fully automating the complete workflow from sample extraction to analysis. This fully automated system combines the high degree of automation that SPME offers with the efficiency of the GERSTEL Twister® and provides you with several benefits, such as:

- Excellent sensitivity compared to standard methods (e.g. DIN EN ISO 27108)
- Reduction of manual and repetitive operations
- Minimization of laboratory effort for analysts
- Increase in efficiency
- More sustainable analysis due to reduced consumption of solvents

Experience additional and improved functions, such as integrated barcodes in the Twister rods and comprehensive sample logging which enables traceability as well as improved quality control. The new GERSTEL ^{quick}MIX provides cooling and heating capabilities. The specially developed GERSTEL Wash & Dry station improves overall efficiency and sustainability, eliminating potential analyte loss and minimizing water usage. Laboratories can benefit from reduced solvent consumption, reduced environmental impact and most importantly reduced laboratory effort for analysts in the workflow.



ISDP: Automating Internal Standard and Dry Purge

Maximize the efficiency and performance of your Thermal Desorption analysis!

The all new GERSTEL ISDP (Internal Standard and Dry Purge) accessory for Thermal Desorption (TD) offers fully automated and highly reproducible spiking of 3.5” TD tubes, including GERSTEL 3.5+ tubes, as prescribed e.g. in international standard air monitoring methods. The efficient dry purge function eliminates doubt when analyzing samples with high moisture content, while maintaining high throughput through optimized parallel processing. Two versions are available:

- GERSTEL ISDP for addition of gaseous standard
- GERSTEL ISDP+ for addition of gaseous or liquid standard as selected by the user

Both ISDP versions enable standard spiking and dry purge for 3.5” TD tubes including GERSTEL TD 3.5+ tubes, which contain up to 30% more sorbent than traditional 3.5” tubes. Dry purge is performed in the sampling flow direction to minimize analyte loss. Automated addition of standards extends the scope and efficiency of TD analysis making it more efficient, more accurate and more reliable. The GERSTEL ISDP+ has already proven its

worth in air analysis according to U.S. EPA Method TO-17 as well as proficiency tests for DIN ISO 1600-6.

