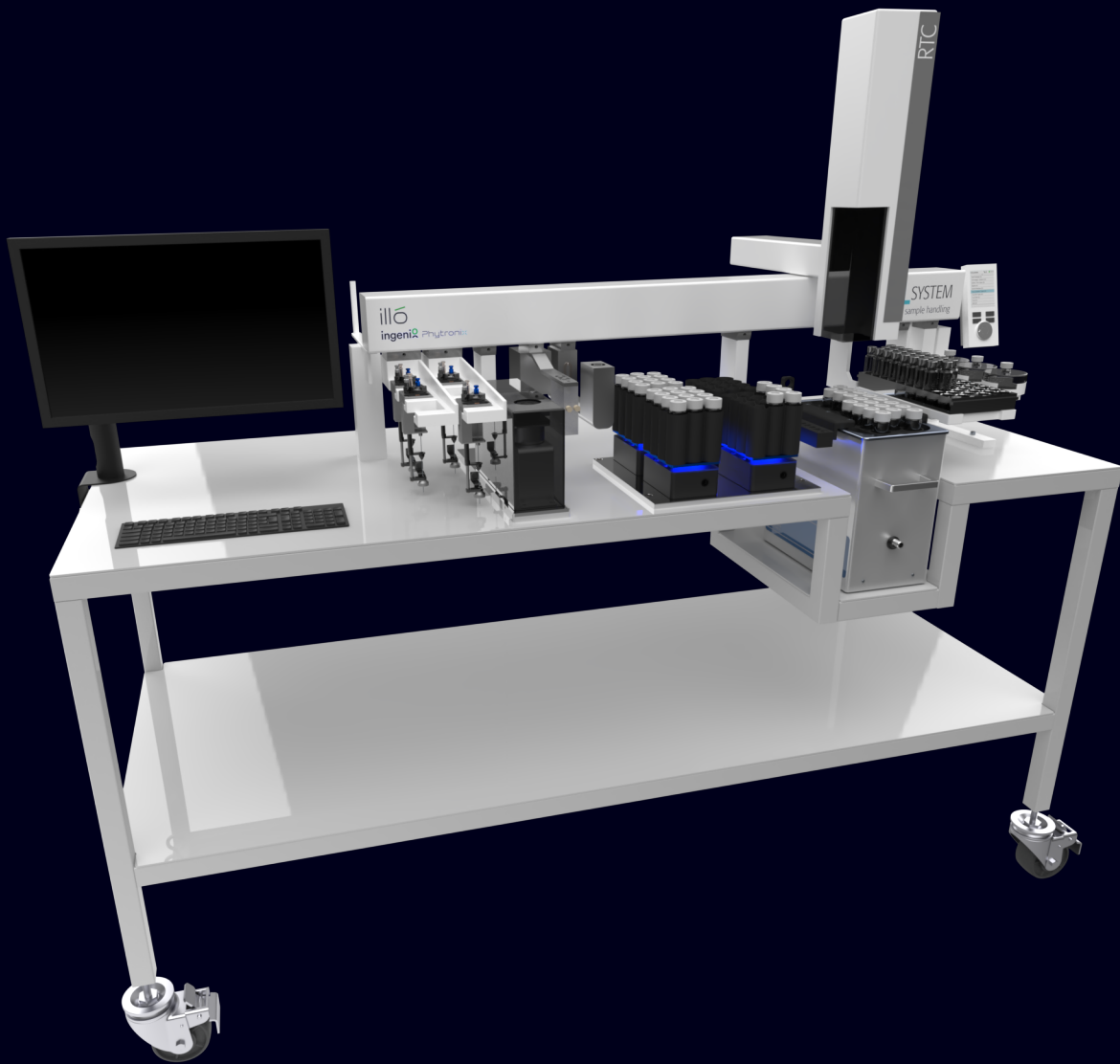


illō

Automated GC sample prep of volatile organic compounds in soil



Phytronix

ingenio
by Phytronix

illó

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Volatile Organic Compounds (VOCs) can be found in soil and water following certain industrial, agricultural and domestic processes. These have a high vapor pressure at room temperature which makes them more likely to be emitted from a product or surface into the air. These can severely impact the health of workers or people in the vicinity, indoors and outdoors.

The Illó is an automated process, combining an embedded ultrasonic bath, an automated balance and 4 vortex mixers with a PAL RTC system. This setup allows you to greatly reduce the soil sample preparation time and free personnel for other manipulations.



Features

- Up to 20 soil samples in 40 mL vials
- Completely integrated Bandelin ultrasonic bath
- Completely integrated Mettler Toledo balance
- 4 vortex mixers
- Max. vortex speed: 1000 RPM
- Ultrasonic bath capacity: 5.5 liters
- Balance max. capacity: 120 g
- 4 syringe tools used
- Gripper to move vials between positions
- (Optional) Barcode reader module
- Fully controlled via Chronos
- Supplied with data system (computer, screen, keyboard and mouse)
- Supplied with table on lockable caster wheels
- Method may be customized
- Integrated Laird chiller

Electrical/Gas Specifications

- 120/240 V~, 60 Hz, 700 W
- 1.8 m X 0.8 m X 1.6 m (W X D X H)





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