

**RELEASE****Ethos UP High Performance Microwave Digestion Systems**

The new ETHOS UP™ is simply the most advanced yet easy to use system for microwave sample preparation we have ever manufactured. It offers a perfect integration between microwave hardware, user interface, digestion sensors and pressure vessels.

***The Largest Stainless-Steel Microwave Cavity***

The microwave cavity has a volume of over 70 liters, the largest currently available. Therefore, digestion rotors with more sample places can be accommodated, increasing both productivity and sample throughput. Secondly, it improves the inherently safety because a larger cavity contains gases escaping from vessels in a more efficient way, in case of a sudden over pressurization.

***Pressure-Responsive Door for Max Safety***

For additional safety, the ETHOS UP features a full stainless steel door with an innovative opening and self-resealing mechanism. Should there be a sudden over pressurization of the cavity, the door slightly opens for rapid and safe pressure release and the microwave power is instantaneously cut off. Immediately afterwards, the door is pulled back, resealing the microwave cavity.

***The Most Powerful Microwave Digester***

The ETHOS UP is equipped with two 950 Watt magnetrons for a total of 1900 Watt. The system additionally employs a rotating diffuser that evenly distributes the microwaves throughout the cavity. High power coupled with this diffuser enable very fast heating of high throughput rotors and the complete digestion of the most difficult samples.

***Live Monitoring with Milestone Safeview***

The ETHOS UP integrates the Milestone safeVIEW, a high definition digital camera interfaced with the instrument terminal. It allows the chemist to monitor the progress of the digestion whilst being fully protected by the instrument's all-stainless steel door. A video of the entire run is shown in real time.

***Sensors for Unparalleled Digestion Control***

In a digestion process, the temperature controls the sample decomposition and directly affects digestion quality. Milestone pioneered the use of infrared sensors combined with an in-situ temperature sensor. Today, Milestone innovates again by combining all the benefits of in-situ and infrared sensors into the Milestone easyTEMP, a direct contactless temperature sensor.

***Rugged, reliable microwave platform***

While other manufacturers use molded plastic, Milestone uses 316 stainless steel construction throughout which creates the most durable, reliable, and safe microwave system available.

**Find out more at [milestonesrl.com](http://milestonesrl.com)**

Productivity UP.  
Simplicity UP.  
Safety UP.  
**Ethos UP.**



HIGHEST THROUGHPUT ROTORS

NO METHOD DEVELOPMENT

REMOTE SYSTEM CONTROL

ENHANCED SAFETY FEATURES

## JUST WHEN YOU THINK METALS PREP TECHNOLOGY CANT GET ANY BETTER, IT DOES.

The Milestone Ethos UP isnt just intelligent, its the most powerful microwave digestion system on the market today.

Featuring the highest throughput rotors, stainless steel construction and patented vent-and-reseal technology, the Ethos UP ensures market-leading safety and productivity.

Plus, new Milestone Connect offers remote system control, 24/7 technical support and direct access to a comprehensive library of content developed especially for lab professionals.

See how Ethos UP can help you work smarter.  
Go to [www.milestonesrl.com/ethosup](http://www.milestonesrl.com/ethosup)



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MICROWAVE DIGESTION

MERCURY CLEAN CHEMISTRY ASHING EXTRACTION SYNTHESIS



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