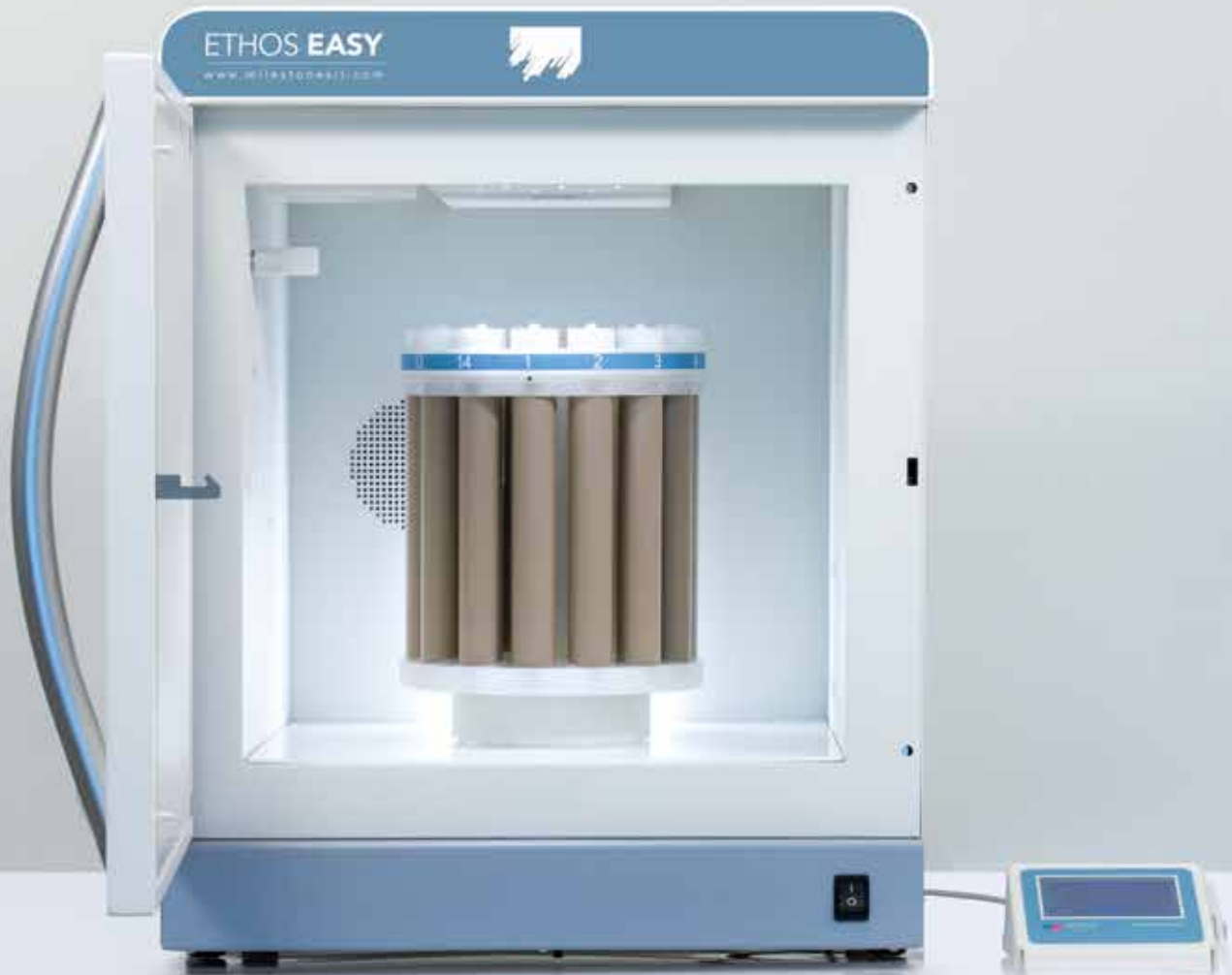




MILESTONE
H E L P I N G
C H E M I S T S



MILESTONE ETHOS EASY

Microwave Digestion System with MAXI-14



ETHOS EASY control terminal

HIGHEST MICROWAVE POWER • The ETHOS EASY is equipped with two 950 Watt magnetrons for a total of 1900 Watt. A rotating diffuser that evenly distributes the microwaves throughout the cavity. Fast and homogeneous heating are assured.

LARGEST MICROWAVE CAVITY • The new Milestone ETHOS EASY microwave cavity has a volume of over 70 liters, by far the largest currently available, improving both productivity and sample preparation throughput. Furthermore, the microwave unit is inherently much safer because a larger cavity contains in a more efficient way gases escaping from vessels, should there be a sudden over pressurization.

PRESSURE-RESPONSIVE DOOR • The ETHOS EASY 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 cavity.

CONTROL TERMINAL • The ETHOS EASY is controlled via a compact terminal with an easy-to-read, bright, full-color, touchscreen display. The terminal runs the Milestone easyWAVE, a completely new user-friendly, icon-driven, multi-language software to provide easy control of the microwave run. Hundreds of applications, including all US EPA methods, are preloaded in the ETHOS EASY terminal. Each method includes temperature profile, sample size and choice of reagents. Method development is virtually eliminated.



Agriculture



Beverage



Clinical



Environment



Food and Feed



Officials methods

The MAXI-14 can perform digestions or leaching-type reactions on a variety of samples, such as soils, sediments, wastewater etc. The MAXI-14 rotor is fully compliant with commonly used standard methods, such as the US EPA 3015, 3051, and 3052. and suitable for a wide range of samples (typically environmental and food/feed). The vessel volume, the vessel material, the temperature and pressure capabilities of the MAXI-14 ensure high quality digestion of a large variety of samples.



www.milestonesrl.com

US EPA 3052 temperature profile screenshot

Contactless pressure control



Contactless temperature sensor in all vessels

DIGESTION SENSORS • The Milestone ETHOS EASY integrates a contactless temperature sensor, which measures and controls each and every vessel of the MAXI-14 rotor. A contactless pressure sensor (optional) monitors and controls all vessels simultaneously, preventing any leakage or venting. In combination with our 'vent-and-reseal' vessel technology, these sensors ensure complete and safe digestions without any loss of volatile compounds.

MAXI-14 MICROWAVE DIGESTION ROTOR • The MAXI-14 is a high-throughput rotor featuring up to 14 TFM vessels with a volume of 100 ml. It is perfect for routine applications, as it combines an unmatched ease of use with an high productivity. The MAXI-14 features the unique Milestone "vent-and reseal" technology for controlling the inner pressure of all vessels in complete safety. This approach for pressure release is the foundation of Milestone's leadership in microwave digestion. While other systems use membranes or burst disks that render a vessel useless after venting, the Milestone system releases only the excess pressure from the vessel if maximum pressure is achieved. This ensures both no stress to the microwave system's door and no sample loss, as it may happen in case of a membrane or disc bursting.

FLEXIBILITY • Finally, a large selection of high-pressure and medium-pressure rotors for both digestion and extraction, as well as high purity quartz and TFM inserts are available for ETHOS EASY, ensuring the highest level of application and sample throughput capabilities.

The ETHOS EASY with MAXI-14 microwave digestion system is based on 30 years of experience in microwave sample preparation. It offers a perfect integration between microwave hardware, user interface, reaction sensors and pressure vessels. The new ETHOS EASY with MAXI-14 combines at their best simplicity of use and advanced technology. It offers productivity, safety, connectivity, expertise and application flexibility. We have incorporated in the new Milestone system our vision of the future, our passion, and our knowledge in microwave sample preparation, with the ultimate goal of helping chemists.

SAFETY • Best microwave hardware

EASE OF USE • EasyWAVE operating software and easy vessels assembling

KNOW-HOW AND SUPPORT • Milestone Connect

PERFORMANCE • Advanced temperature control and unique vessels technology

FLEXIBILITY • Digestion and extraction in the same platform



MAXI-14 rotor

SIMPLICITY REDEFINED

Milestone ETHOS EASY with MAXI-14

MILESTONE CONNECT • In the new ETHOS EASY system, a unique web based application, Milestone Connect, is included. The app provides up to date technical information that ultimately helps to provide high quality sample preparation. The Milestone Connect works on various external devices such as PC, tablets or smartphones. The integral database includes specific and detailed information on the installed equipment (list of parts, technical notes, user manual, video tutorials, etc), continuously updated application notes, a library of available scientific articles published in scientific magazines, and a help-on-line section that provides instant support available 24 hours a day, 7 days a week for our users.

MILESTONE



HELPING
CHEMISTS

UNI EN ISO 9001:2008
CERTIFIED

MILESTONE Srl - Via Fatebenefratelli, 1/5 - 24010 Sorisole (BG) - Italy
Tel: +39 035 573857 - Fax: +39 035 575498
www.milestone srl.com - email: analytical@milestone srl.com

MILESTONE INC. - 25 Controls Drive - Shelton, CT 06484 - USA
Tel: (203) 925-4240 - Toll-free: (866) 995-5100 - Fax: (203) 925-4241
www.milestone sci.com - email: mwave@milestone sci.com

MILESTONE GENERAL K.K. - KSP, 3-2-1, Sakado - Takatsu-Ku,
Kawasaki 213-0012 - Japan - Tel: +81 (0)44 850 3811 - Fax: +81 (0)44 819 3036
www.milestone-general.com - email: info@milestone-general.com

MLS GmbH - Auenweg 37 D-88299 Leutkirch im Allgau - Germany
Tel: +49 (0)7561 9818-0 - Fax: +49 (0)7561 9818-12
www.mls-mikrowellen.de - email: mws@mls-mikrowellen.de