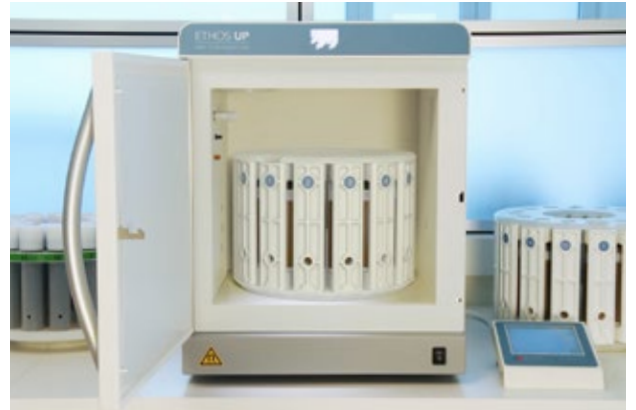


ETHOS ROTOR GUIDE

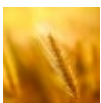


MILESTONE
H E L P I N G
C H E M I S T S

Many laboratories need to increase productivity and reduce turn-around-time in metals analyses. Milestone's ETHOS microwave digestion systems are available in many configurations, to match the needs of various industries and labs. The choice of the best rotor and inserts is pivotal to simplifying your journey from sample to analysis and is reliant on the sample type, sample amount, productivity and limit of quantification for the elements of interest.



SK-15 TYPICAL APPLICATIONS



Agriculture



Beverage



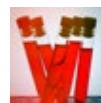
Cannabis



Ceramics



Chemicals



Clinical



Consumer products



Environmental



Food & Feed



Geochemistry



Metals



Petrochemical



Officials



Pharmaceutical

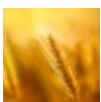


Pigments



Polymers

MAXI-24 HP TYPICAL APPLICATIONS



Agriculture



Beverage



Cannabis



Clinical



Environmental



Food & Feed

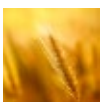


Officials



Pharmaceutical

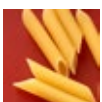
MAXI-44 TYPICAL APPLICATIONS



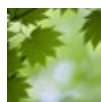
Agriculture



Beverage



Food & Feed




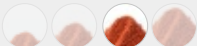



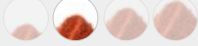
Environmental



Officials

* Additional applications can be evaluated with the Milestone Application Team

THREE OPTIONS TO MATCH EVERY NEED

ROTORS	MAIN FEATURES	TYPICAL WORKING CONDITIONS & SAMPLES
<p>SK-15</p>  <p>15-Position High Pressure Rotor</p>	<p>Number of vessels: up to 15 Vessel volume: 100 mL Vessel material: PTFE/TFM Temperature control:</p> <ul style="list-style-type: none"> easyTEMP, direct contactless temperature control in all vessels 	<p>Suggested volume: 5-10 mL Sample amount: up to 1 g</p>  <p>Large sample amount</p> <p>High Temperature & Pressure capabilities</p> <p>Highly reactive sample</p> <p>Medium productivity</p>
<p>MAXI-24 HP</p>  <p>24-Position High Performance Rotor</p>	<p>Number of vessels: up to 24 Vessel volume: 80 mL Vessel material: PTFE/TFM Temperature control:</p> <ul style="list-style-type: none"> easyTEMP, direct contactless temperature control in all vessels 	<p>Suggested volume: 5-10 mL Sample amount: up to 0.75 g</p>  <p>Medium to large sample amount</p> <p>Moderate to High Temperature & Pressure capabilities</p> <p>Moderate to high reactive sample</p> <p>High productivity</p>
<p>MAXI-44</p>  <p>44-Position High Throughput Rotor</p>	<p>Number of vessels: up to 44 Vessel volume: 100 mL Vessel material: PTFE/TFM Temperature control:</p> <ul style="list-style-type: none"> easyTEMP, direct contactless temperature control in all vessels 	<p>Suggested volume: 5-10 mL Sample amount: up to 0.3 g</p>  <p>Medium sample amount</p> <p>Low to Moderate Temperature & Pressure capabilities</p> <p>Low to moderate reactive sample</p> <p>High productivity</p>

* Additional rotors are also available. Previous rotors can also be used with the latest ETHOS platform.

FLEXIBLE AND EFFICIENT SAMPLE PREPARATION

Often times, labs need to achieve very low detection limits for specific applications or samples, where external source of contamination must be carefully controlled. The SK-15 rotor combined with inserts is a great solution as it reduces surface contact with the vessel, minimizes acid volume and allows the use of different vessel materials such as quartz or glass.



TYPICAL WORKING CONDITIONS & SAMPLES	PTFE	QUARTZ	3-POSITION INSERTS Available in glass, PTFE and quartz
Total Volume	40 mL	40 mL	6 mL
Suggested Volume	3-5 mL	3-5 mL	1-3 mL
Sample Amount	 Large	 Large	 Small
Working Conditions (T&P)	 High	 High	 High
Sample Reactivity	 High	 High	 Low
Typical applications	   Geochemistry Metals Research	    Polymers Petrochem. Food & Feed Research	   Clinical Food & Feed Research

ADDITIONAL ETHOS PLATFORM CAPABILITIES

The flexibility of the ETHOS platform allows for further enhancement to your lab's efficiency with a comprehensive choice of dedicated accessories.

- Microwave solvent extraction of organic pollutants from environmental matrices (fastEX-24 rotor)
- Determination of total fat in food samples (SR-15 rotor)
- Evaporation and concentration of acid or solvent with MMR-15 rotor (Microwave Modular Rotor).



fastEX-24 rotor



MMR-15 rotor



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HELPING
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Learn more or request an onsite demonstration:
marketing@milestonesrl.com or +39 035 573857