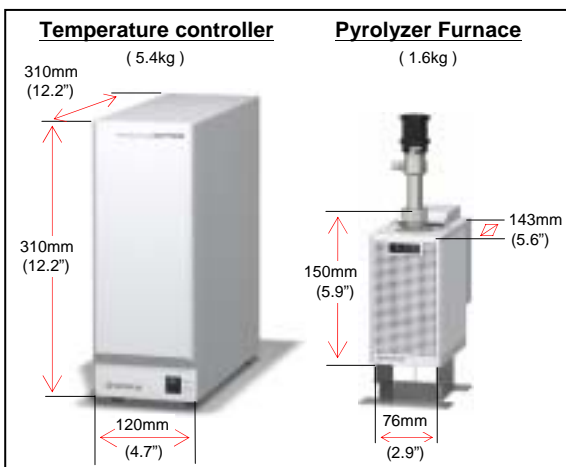


# Specification <Multi-Shot Pyrolyzer EGA/PY-3030D>

<b>1. Performance guaranteed (detector: MS &amp;FID)</b>	
<ul style="list-style-type: none"> <li>• Reproducibility of pyrograms</li> <li>• Reproducibility of EGA thermograms</li> </ul>	<p>In flash pyrolysis of PS (25 µg) at 550°C (Eco cup LF used), the relative standard deviation (RSD) of the peak area ratio of styrene trimer (SSS) and methyl stearate (Me-Ste): ≤2% (Eco cup LF)</p> <p>RSD of the peak top temperature of PS: ≤0.3%</p>
<b>2. Furnace and sampling unit</b>	Vertical micro furnace
<ul style="list-style-type: none"> <li>• Pyrolyzer furnace             <ul style="list-style-type: none"> <li>Temperature control range/Stability</li> <li>Cooling system</li> <li>Cooling time (pressure: 500kPa)</li> </ul> </li> <li>• Interface (ITF)             <ul style="list-style-type: none"> <li>Temperature/Stability</li> </ul> </li> <li>• Sampler</li> <li>• Deactivated sample cup</li> </ul>	<p>Cylindrical ceramic heater</p> <p>Room temperature + 10°C up to 1050°C (1°C step) / ±0.1°C</p> <p>Forced air cooling by nitrogen or compressed air</p> <p>Within 10 min (800°C down to 50°C when ITF in auto mode)</p> <p>Cartridge heater</p> <p>40 up to 450°C (1°C step) / ±0.1°C</p> <p>Double-shot sampler and Liquid sampler</p> <p>Eco cup SF(50 µL) and LF (80 µL)</p>
<b>3. Temperature controller</b>	PC control (PC not included)
<ul style="list-style-type: none"> <li>• Overheat protection temperature</li> <li>• Communication to PC</li> </ul>	<p>PY: 1100°C, ITF: 500°C</p> <p>USB 2.0</p>
<b>4. Standard accessories</b>	
	Quartz pyrolysis tube, Ultra ALLOY capillary column, EGA Capillary tube, ITF needle, Eco cup, Eco stick, Double-Shot sampler, Liquid sampler, Control Software, Standard sample for performance check and etc.
<b>5. Miscellaneous</b>	
<ul style="list-style-type: none"> <li>• Power</li> </ul>	100-120VAC or 200-240 VAC, 50/60 Hz, 400W (MAX)
<ul style="list-style-type: none"> <li>• Other requirements and utilities</li> </ul>	
<ol style="list-style-type: none"> <li>1) Gas chromatograph (with a split/splitless injection port): some limitations in installation depending on GC model.</li> <li>2) Multi-Shot pyrolyzer: pyrolysis furnace cooling gas (nitrogen or compressed air, pressure: 400-800kPa) supplied via o.d. 1/8 in or 3 mm pipe (copper or stainless steel), readily accessible from the temperature controller of pyrolyzer (operating flow rate: 7 L/min)</li> <li>3) Power outlet: 100/120 VAC with two 3P sockets for accessories of pyrolyzer</li> <li>4) Control PC: A PC running Windows 7, Vista, or XP operating system with a USB port. The PC can be shared with GC/MS control software programs.</li> </ol>	

\*Keep the temperature below 800°C when not in use. This will extend the furnace heater life.

\*Specifications are subject to change without notice.



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