



**PRECISIONARY**



## Technical Specifications

## Compresstome® VF-510-0Z

### Compresstome® VF-510-0Z Tissue Cutting Specifications

<b>Automation</b>	Fully automated: After a slice is cut, slice thickness advancement is automatic, allowing for continuous slicing
<b>Slice thickness adjustment</b>	Automatic
<b>Slice thickness precision</b>	1 $\mu\text{m}$ (controlled automatically by a dial on the control box)
<b>Specimen length</b>	25 mm (maximum tissue length for embedding)
<b>Specimen tube sizes</b>	<ul style="list-style-type: none"> <li>• 15.5 mm diameter</li> <li>• 20 mm diameter</li> </ul>
<b>Cutting blade compatibility</b>	<ul style="list-style-type: none"> <li>• Stainless steel (double-edge) blades</li> <li>• Ceramic blades</li> <li>• Tungsten carbide blades</li> </ul>
<b>Cutting angle</b>	20° (no need for blade alignment)
<b>Slice thickness range</b>	1-999 $\mu\text{m}$ Quality tested to cut below 10 $\mu\text{m}$ slices (Can cut as low as 4 $\mu\text{m}$ depending on tissue type)
<b>Cutting modes</b>	Single & continuous

### Compresstome® VF-510-0Z Machine Specifications

<b>Advance speed</b>	0-4 mm/s
<b>Return speed</b>	6 mm/s
<b>Vibration frequency</b>	0-65 Hz, adjustable
<b>Vibration amplitude</b>	1.2 mm
<b>Z-axis vibration</b>	~ 0 $\mu\text{m}$ (Z-axis deflection)
<b>Power source</b>	100-240V AC
<b>Power consumption</b>	18W
<b>Buffer tray size</b>	(L x W x H) 110 x 60 x 30 mm
<b>Dimensions</b>	(L x W x H) 330 x 255 x 195 mm
<b>Weight</b>	6 kg

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