

Precision Diamond Wafering Saws Comparison Chart

		IsoMet® Low Speed pg. 11	IsoMet® 1000 pg. 12	IsoMet® 4000 pg. 13	IsoMet® 5000 pg. 14
Diamond Cut-Off Wheel Size	3", 4", 5"	■	■	■	■
	7"		■	■	■
	8"			■	■
Motor Hp	0.02	■			
	0.2		■		
	1.25			■	■
Auto Serial Sectioning	Yes			■	■
Cup Grinding Capability	Yes				■
SMARTCUT	Yes			■	■
Method Programmability	Yes				■
Controls	Push-Button	■			
	LED		■		
	LCD			■	■

IsoMet® Low Speed Saw



IsoMet® Low Speed Saw is a precision saw designed for sectioning a wide variety of materials with little to no deformation. A maximum 5" (127mm) blade, operating at 0-300 rpm, can be fitted to the saw for use when sectioning requires a greater depth of cut. 1/50Hp (15W) motor. This unit is precise and versatile, utilizing a 0.001" or 10µm (0.01mm) precision micrometer adjustment for alignment to the specimen. Its low kerf loss capability and great versatility in holding all types of sample shapes and configurations give the IsoMet Low Speed Saw the capability to cut virtually any material including brittle or ductile metals, composites, cements, laminates, plastics, electronic devices and biomaterials. Using low speeds and application specific continuous rim diamond blades, the IsoMet® Low Speed Saw achieves an "as cut" surface which is generally free of damage and distortion. Accessories include a 4" (102mm) precision diamond blade (11-4244), bar & tube chuck (11-1184), irregular specimen chuck (11-1185), wafer chuck (11-1186), single saddle chuck (11-1187), assorted weights, dressing stick (11-1290), IsoCut® Fluid (11-1193), 2.5" (64mm) Flanges (11-2679) and cord with plug. CE marked.

11-1280-160 IsoMet® Low Speed Saw with Accessories, inch micrometer, 115 VAC, 50/60 Hz, 1 phase, adjustable to 0.001"

11-1280-250 IsoMet® Low Speed Saw with Accessories, metric micrometer, 230 VAC, 50/60 Hz, 1 phase, adjustable to 5µm

11-1280-170 IsoMet® Low Speed Saw with Accessories, metric micrometer, 115 VAC, 50/60 Hz, 1 phase, adjustable to 5µm

Accessories

11-1181 Swivel Arm Assembly

11-1182 Blade Wiper

11-1183 Double Saddle Chuck, Small

11-1184 Chuck, Bar and Tube Stock

11-1185 Chuck, Irregular Specimens

11-1186 Chuck, Wafers

11-1187 Single Saddle Chuck, Small

11-1188 Chuck, Petrographic Specimens

11-1189 Chuck, 1", 25mm and 1 1/4" (32mm) Mounts, Round

11-1190 Dressing Stick for Series 15, 20 & IsoCut® Blades

11-1191 Flange, 1 3/4" (44mm) Diameter Set

11-1192 Flange, 1 3/8" (35mm) Diameter Set

11-1193-032 IsoCut® Fluid, Quart (.95L)

11-1194 IsoMet® Bone Chuck

11-1195 Plastic Guide Plate

11-1196 IsoMet® Dressing Chuck with manual feed control

11-1198 Dressing Block Spacer Kit

11-1199 Splash Guard Kit, front and back

11-1290SO Dressing Stick for Series 5 and 10 Blades

11-4244 IsoMet® Diamond Blade, 4" (102mm)

11-4245 IsoMet® Diamond Blade, 5" (127mm)

11-2381 Goniometer