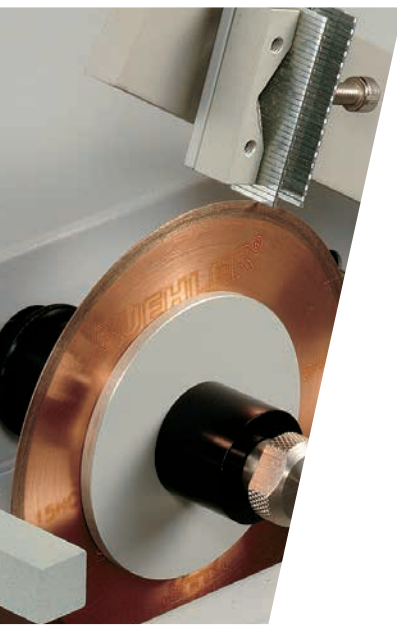
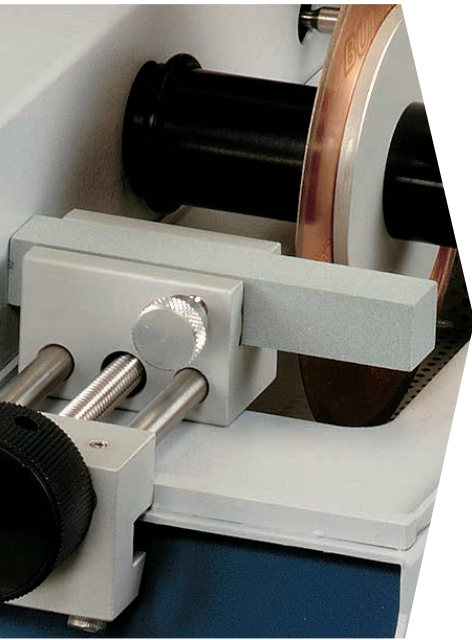
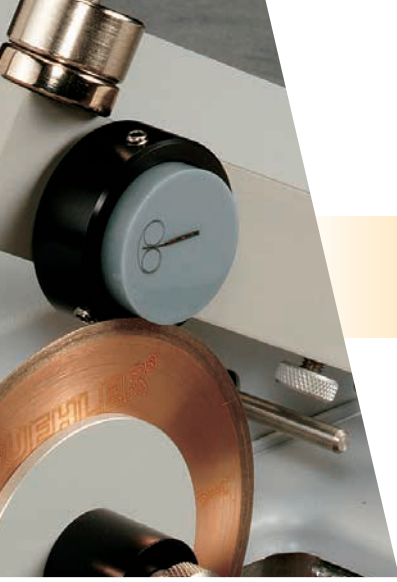


# IsoMet™ Low Speed Saw

Precision Sectioning Saw



# IsoMet™ Low Speed Saw

The IsoMet Low Speed Saw is a precision sectioning saw designed for cutting various types of materials with minimal deformation. Its low kerf loss capability and great versatility in holding all types of sample shapes and configurations, gives today's laboratory a precision sectioning tool capable of cutting virtually any material including brittle or ductile metals, composites, cements, laminates, plastics, electronic devices and biomaterials.

## Diamond Wafering Blades

- Accepts 3in, 4in, and 5in blades
- HC, LC, and CBN blades available

## Simple Controls

- Easy to set up
- Speeds from 0-300rpm

## Versatile Chucks

- Irregular specimen chucking
- Dressing chuck option

## Gravity-fed Specimen

- Loads in 25g increments
- Reproducible cutting

## Micrometer

- Precision sectioning
- Manual movement

## Side Door

- Externally mounted cleaning nozzle stays dry
- Switch flow to the nozzle for easy washdowns

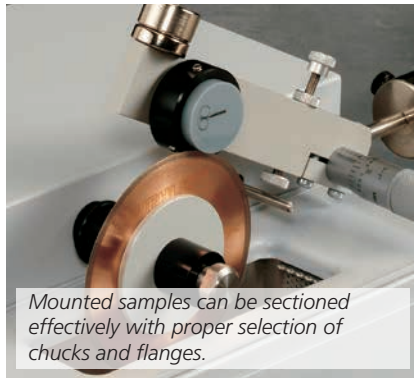


## At a Glance

- Low speeds (0-300rpm) provide quality cut surface
- Minimizes amount of induced damage
- Simple controls for set up and cutting
- Gravity-fed specimen feed for repeatability
- Adjustable cutting loads with 25g weights and sliding counterweight
- Precision Micrometer for specimen alignment
- Versatile chucks available for irregular specimens



Sectioned samples are easily retrieved through the side coolant tray door and basket.



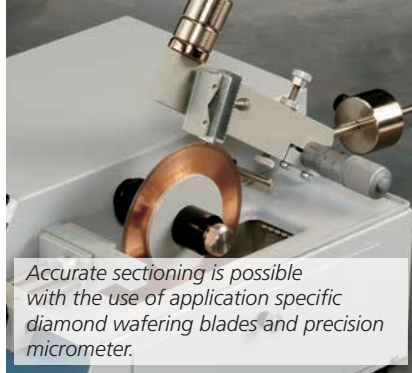
Mounted samples can be sectioned effectively with proper selection of chucks and flanges.



The optional Splash Guard Kit (11-1199) prevents coolant from spraying.



The optional dressing chuck (11-1196) allows dressing of the wafering blade without interrupting the sectioning process.



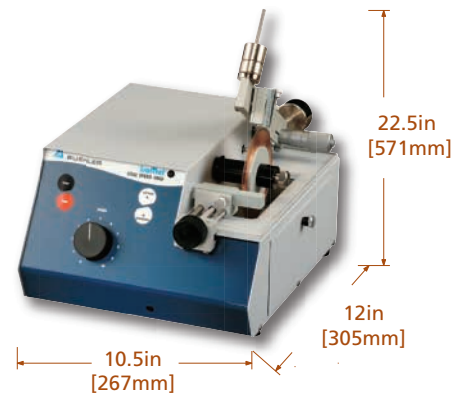
Accurate sectioning is possible with the use of application specific diamond wafering blades and precision micrometer.

## IsoMet™ Low Speed Saw

- Compact saw uses gravity feed system to provide constant feed rate
- Produces minimum deformation
- $\pm 5\mu\text{m}$  or  $\pm 0.0001\text{in}$  in positioning via manual micrometer
- 0.02Hp motor
- 0-300rpm

(Includes 4in [102mm] IsoMet Blade for general sectioning, assorted weights, dressing stick, IsoCut™ Fluid, flanges and the following chucks: single saddle, irregular specimen and wafer)

Part Number	Voltage/Frequency
11-1280-160	115VAC, 50/60Hz
11-1280-250	230VAC, 50/60Hz
11-1280-170	115VAC, 50-60Hz



## IsoMet™ Low Speed Saw Accessories

Swivel Arm Assembly



11-1181

Goniometer



11-2381

Small Bone Chuck



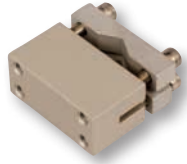







11-1194

Manual Feed Control Dressing Chuck



11-1196

## IsoMet Low Speed Saw Accessories

<p>Small, Double Saddle Chuck</p>  <p>11-1183</p>	<p>Bar &amp; Tube Chuck</p>  <p>11-1184</p>	<p>Irregular Specimen Chuck</p>  <p>11-1185</p>	<p>Wafer Chuck</p>  <p>11-1186</p>
<p>Single Saddle Chuck</p>  <p>11-1187</p>	<p>Vacuum Chuck for Glass Slides</p>  <p>11-1188 27 x 46mm</p>	<p>Mount Chuck</p>  <p>11-1189 1-1.25in [25-32mm]</p>	<p>Splash Guard Kit</p>  <p>11-1199</p>

## Precision Sectioning Blades, 0.5in [12.7mm] Arbor (qty 1)

[Part Number / Blade Thickness]

Recommended Use	3in [76mm]	4in [102mm]	5in [127mm]
IsoMet 30HC - Polymers Rubber, Soft Gummy Materials			11-4239 0.030in [0.76mm]
IsoMet 20HC - Aggressive Sectioning of Metals			11-4215 0.020in [0.5mm]
IsoMet 15HC - Metal Matrix Composite, PCBs, Bone, Ti, TSC	11-10066 0.07in [2mm]	11-4244 0.012in [0.3mm]	11-4245 0.015in [0.4mm]
IsoMet 20LC - Hard tough Materials, Structural Ceramics			11-4225 0.02in [0.5mm]
IsoMet 15LC - Hard Brittle Materials, Glass, Al <sub>2</sub> O <sub>3</sub> , Zr <sub>2</sub> O <sub>3</sub> , Concrete	11-10067 0.07in [2mm]	11-4254 0.012in [0.3mm]	11-4255 0.015in [0.4mm]
IsoMet 10LC - Medium to Soft Ceramics, Glass Fiber Reinforced Composites	11-10068 0.07in [2mm]		11-4285 0.015in [0.4mm]
IsoMet 5LC - Soft, Friable Ceramics, Composites with Fine Reinforcing, CaF <sub>2</sub> , MgF <sub>2</sub> , Carbon Composites	11-10069 0.07in [2mm]		11-4295 0.015in [0.4mm]
IsoCut™ CBN LC - Fe, Co, Ni based alloys and superalloys	11-10070 0.07in [2mm]	11-4264 0.012in [0.3mm]	11-4265 0.015in [0.4mm]
IsoCut CBN HC - Fe, Co, Ni based alloys and superalloys		11-5264 0.012in [0.3mm]	11-5265 0.015in [0.4mm]



\* All Blades come with a Dressing Stick included.



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