



## MAXIMUM CONTROL AND PRECISION

Maximize Control | Minimize Deformation | Achieve Extreme Accuracy

SPECIFICATION	PICO-155S
Coolant	Dual nozzle with pump
Cutting capacity	2-inch (50 mm)
Speed	200-1500 rpm
Cutting load	Variable up to 1500 grams
Positioning range (x-axis)	1-inch (25mm)
Wheel size	Minimum: 3-inch (75 mm) Maximum: 7-inch (175 mm)
Dimensions (W x D x H)	<b>Hood closed:</b> 19 x 23 x 14-inch (480 x 580 x 370 mm) <b>Hood open:</b> 19 x 29 x 19-inch (480 x 740 x 370 mm)
Weight	66 lbs (30 kg)

**2 year warranty**

Limited warranty



The PICO-155S is a variable speed precision wafering saw designed to section material with extreme accuracy. Its innovative design ensures you are cutting with micrometer precision for a wide range of materials including metals, ceramics, electronics, and other engineered materials. The microprocessor-controlled system of the PICO-155S guarantees consistent and accurate cutting performance. Efficient cooling during the cutting process prevents heat-related damage to the specimens, and a digital feedback speed control allows users to adjust the cutting speed precisely according to their requirements. Controlling the PICO-155S is a breeze with its user-friendly touchscreen control interface. The LED digital display provides clear and real-time feedback on the cutting parameters, ensuring optimal control throughout the operation. The PICO-155S simplifies the cutting process, making it accessible to both experienced professionals and newcomers in the field. Whether you're working with delicate materials or demanding applications, contact us to experience the next level of precision in metallographic sample preparation.



Machinery directive 2006/42/EC  
RoHS Directive 2011/65/EU



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## APPLICATIONS

- Electronics
- IC Circuits
- PCB Boards
- Bones
- Minerals
- Ceramics
- Metals

WAFERING BLADE	3-INCH	4-INCH	5-INCH	6-INCH	7-INCH
Fine grit / Low conc.	WB-0030LC	WB-0040LC	WB-0050LC	WB-0060LC	WB-0070LC
Medium grit / Low conc.	WB-0035LC	WB-0045LC	WB-0055LC	WB-0065LC	WB-0075LC
Medium grit / High conc.	WB-0035HC	WB-0045HC	WB-0055HC	WB-0065HC	WB-0075HC
CBN	N/A	WCBN-0045	WCBN-0055	WCBN-0065	WCBN-0075
CBN / Diamond hybrid wafering blade	N/A	WCBND-0045	WCBND-0055	WCBND-0065	WCBND-0075
Electroplated diamond	N/A	EPD-0040	EPD-0050	EPD-0060	EPD-0070

## CUTTING FLUID / DRESSING

## CATALOG #

DIACUT Dressing sticks (1/2" x 1/2" x 4 1/2") **DRES-0010**

DIACUT Water-based cutting fluid (16 oz) **WL-3000-16**

DIACUT Water-based cutting fluid (32 oz) **WL-3000-32**

DIACUT Anti-corrosion cutting fluid (16 oz) **WL2-3000-16**

DIACUT Anti-corrosion cutting fluid (32 oz) **WL2-3000-32**

DIACUT Oil-based cutting fluid (16 oz) **OL-3000-16**

DIACUT Oil-based cutting fluid (32 oz) **OL-3000-32**



The PICO-155S includes all of the vises and attachments listed below except the table attachment (P150-601).

## SPECIMEN VISES + ATTACHMENTS CATALOG #

Universal single saddle chuck **P150-702**

Large single saddle with lip **P150-702b**

Double sided saddle chuck **P150-703**

Irregular shaped specimen vise **P150-706**

Round and 1.25-inch mounted specimens **P150-707**

Round and 1.5-inch mounted specimens **P150-708**

Vise for adhering specimens **P150-709**

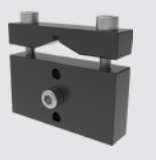
Specimen teardrop holder for 0.6-1.6-inch (18-40 mm) diameter **P150-710**

Fastener vise for longitudinal sectioning **P150-711**

Dressing unit **P150-701**

Cutting table attachment for large samples **P150-601**

Single Saddle Vise



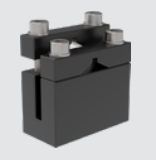
Catalog no. P150-702

Large Universal Vise



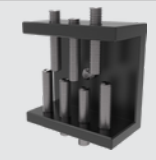
Catalog no. P150-702b

Double Saddle Vise



Catalog no. P150-703

Irregular Sample Vise



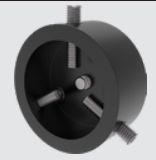
Catalog no. P150-706

32 mm Circular Vise



Catalog no. P150-707

40 mm Circular Vise



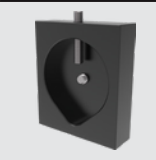
Catalog no. P150-708

Adhering Vise



Catalog no. P150-709

Teardrop Vise



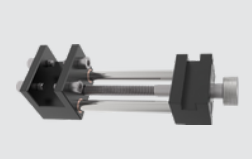
Catalog no. P150-710

Fastener Vise



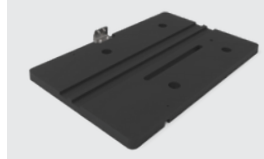
Catalog no. P150-711

Dressing Fixture



Catalog no. P150-701

Cutting Table



Catalog no. P150-601