

# K10WBT

## Enclosed Bench Top Metallurgical Saw

10-Inch Wet Sectioning Saw for Metallographic Preparation & Analysis

2 HP | 3,450 RPM | Flood Coolant | Fully Enclosed | Cuts 1.5" Solid

*Precision Sectioning. Zero Heat Damage. Ready for Analysis.*

# Built for Metallurgical Precision



The K10WBT is a 10-inch benchtop wet sectioning saw designed for metallographic sample preparation and metallurgical analysis.

Its fully enclosed design and integrated flood coolant system minimize heat damage, ensuring clean, distortion-free cuts for material inspection, weld testing, and lab sectioning.

Heavy-duty all-steel construction provides the rigidity and vibration damping that precision metallurgical work demands, sample after sample.

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**Precision Sectioning. Zero Heat Damage. Ready for Analysis.**

# The Wet Cutting Advantage



## THE PROBLEM

Dry cutting generates extreme heat that burns samples, distorts microstructure, and creates hardened edges requiring secondary preparation.



## THE K10WBT SOLUTION

The integrated 6-gallon flood coolant system continuously cools the cut zone, keeping sample temperatures low throughout the entire cut.



## YOUR RESULT

Cool, distortion-free cuts with no heat-affected zone. Samples go straight to mounting and polishing with true microstructure preserved.

# Key Specifications

MOTOR

**2 HP**

SPINDLE SPEED

**3,450 RPM**

ARBOR SIZE

**5/8" LH**

CUTTING CAPACITY  
SOLIDS

**1.5"**

CUTTING CAPACITY  
PIPE

**2.5"**

COOLANT TANK

**6 Gallon**

Electrical: 3PH 230V | 3PH 460V

Blade: 10" Abrasive (not included)

Construction: Fully Enclosed All-Steel

# Built for Lab & Shop Performance



## Flood Coolant System

6-gallon tank with heavy-duty recirculating pump eliminates heat buildup for distortion-free metallurgical samples.



## Fully Enclosed Design

All-steel enclosure contains coolant splash and debris for a clean, safe work environment.



## Internal Light & Controls

Built-in illumination, magnetic controls, and 24V push/pull buttons for operator convenience.



## Powerful 2HP Motor

3,450 RPM drives through steel, alloys, and cast iron for fast, efficient sectioning.



## Dual Toolmaker Vises

Two robust replaceable 2-7/16" vises provide secure, repeatable clamping for precision cuts.



## T-Slot Table & Side Access

Versatile T-slot work surface plus removable 5" left access panel for long workpieces.

# Why Labs Choose Wet Sectioning



## **Preserve Microstructure**

Flood coolant prevents thermal damage so samples show true grain structure under the microscope.



## **Eliminate Rework**

Clean, cool cuts mean samples go straight to mounting and polishing with no extra prep.



## **Increase Throughput**

Faster cycle times and less rework keep your lab running on schedule.



## **Accurate Analysis**

No heat-affected zone means reliable metallographic results every time.

# **NO**

Burn Marks

# **NO**

Heat-Affected Zone

# **NO**

Sample Distortion

# **100%**

Made in USA

# Ideal Applications



## **Metallurgical Laboratories**

Section samples for microstructure analysis with zero heat-induced artifacts. True grain structure, every time.



## **Quality Control & Inspection**

Cut material coupons for hardness testing, weld inspection, and failure analysis with preserved integrity.



## **Weld Joint Testing**

Cool, clean cross-sections of weld joints give technicians accurate samples for macro and micro examination.



## **Production Shop Prep**

Size raw stock to length before machining. Wet cuts mean blanks go straight to the lathe or mill.

Options: 710-052 Door Safety Interlocks | Alternate Spindle Arbors: 1.25" or 32mm



# Ready for Precision Sectioning?

Contact us today for a quote or to discuss your application requirements.

**800-592-2050**

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