



**UKAM Industrial Superhard Tools** Division of LEL Diamond Tools International, Inc.  
28231 Avenue Crocker, Unit 80 Valencia, CA 91355 USA  
Phone: (661) 257-2288 Fax: (661) 257-3833 www.ukam.com

## METAL BOND DIAMOND DISCS

For **BUEHLER, STRUERS, & LECO** and All Other Popular  
*Grinding / Polishing Machines*



- Sample Preparation
- Materials Research

**COMPARABLE QUALITY**

**SIGNIFICANTLY LOWER  
PRICES**

**SAVE up to 650%**

## WHY PAY MORE?

**Metal Bond Diamond Discs**, have diamond particles held firmly in place on a rigid backing by electroplated erosion resisting nickel for maximum bond strength and heat dissipation. A hard nickel alloy is used to rigidly bond a layer of sharp, blocky diamond to a steel backing. The sharp diamond particles cut cleanly with no edge rounding. Diamond Laps / Metal Bond Diamond Grinding Discs radically reduce the time required for material lapping/grinding process. Metal bond diamond grinding discs can be purchased with either magnetic or PSA backing. We can make any arbor (ID) hole size to fit your particular machinery. Available with any diamond mesh/grit size from as fine as 0.5 micron to as course as 40 grit. Additional options available: plain texture, dotted texture, groves.

### **SMART CUT™ Diamond Disc Advantages**

- No deformation
- No scratches
- No pull-outs
- No introduction of foreign elements
- No smearing
- No relief or rounded edges
- No thermal damage

### **Why Buy Diamond Discs & Consumables from UKAM Industrial Superhard Tools**

- Incredible Savings - **REDUCES COSTS up to 650%**
- WHY PAY MORE?**
- Unmatched Variety & Selection for Every Application
  - Superior Quality & Consistency
  - Fast Worldwide Delivery
  - Better Value - Manufacturer Direct Prices
  - Unmatched Technical Support & Expertise
  - Superior Technology & Innovation



**UKAM Industrial Superhard Tools** Division of LEL Diamond Tools International, Inc.  
28231 Avenue Crocker, Unit 80 Valencia, CA 91355 USA  
Phone: (661) 257-2288 Fax: (661) 257-3833 www.ukam.com

**8" (200mm) Metal Bond Diamond Disc**

Micron Size	Mesh Size	BUEHLER No.	STRUERS No.	LECO No.	UKAM No.
250			4080-0025		
160	6	40-4948 40-4949			93-0021
125		15-6199	4080-0030		
70	240	40-4958 40-4959 15-6170		811-508	93-0031
45	325	40-4968 40-4969 15-6145	4080-0027 4080-0069	811-510	93-0041
30	600	40-4978 40-4979			93-0051
15	1200	40-4988 40-4989 15-6115	4080-0028	811-511	93-0061
9	1800	15-6109		811-512	93-0071
6	3000	15-6106			93-0081

**10" (250mm) Metal Bond Diamond Disc**

Micron Size	Mesh Size	BUEHLER No.	STRUERS No.	LECO No.	UKAM No.
250			4080-0033		
160	6		4080-0034		93-0022
125		15-8199			
70	240	15-8170			93-0032
45	325	51-8145	4080-35		93-0042
30	600				93-0052
15	1200	15-8115	4080-36		93-0062
9	1800	15-8109			93-0072
6	3000	15-8106			93-0082



**UKAM Industrial Superhard Tools** Division of LEL Diamond Tools International, Inc.  
28231 Avenue Crocker, Unit 80 Valencia, CA 91355 USA  
Phone: (661) 257-2288 Fax: (661) 257-3833 www.ukam.com

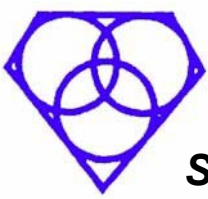
### 12" (300mm) Metal Bond Diamond Disc

Micron Size	Mesh Size	BUEHLER No.	STRUERS No.	LECO No.	UKAM No.
250			4080-0037	811-516	
160	6				93-0023
125		15-6299	4080-0038	811-517	
70	240	15-6270		811-518	93-0033
45	325	15-6245	4080-0039	811-519	93-0043
30	600				93-0053
15	1200	15-6215	4080-0040	811-520	93-0063
9	1800	15-6209		811-521	93-0073
6	3000	15-6206			93-0083

**UKAM Industrial Superhard Tools** produces diamond Metal & Resin Bond Diamond Grinding / Polishing Discs for large variety of applications, industries, grinding & polishing machines. Diamond Discs are available from **6" to 30" (150mm to 762mm) in Diameter**. Diamond Discs can be produced with any inside diameter (ID) hole size or no hole. Designed to work with all popular grinding / polishing machines such as **BUEHLER, STRUERS, LECO & Many others**. Diamond mesh size/grit sizes available from as **coarse as 40 grit (425 microns) to fine as 1 micron**. Diamond Discs are available with either **magnetic or adhesive PSA backing, or no backing**.

These Diamond Grinding and Polishing Discs are designed for fine and coarse grinding/polishing of high hardness materials such as metals, ceramics, refractories, cement, samples rocks, glass, optics, composites, and many other materials 35 and up Rockwell C scale of hardness

Only the highest quality diamonds and raw material is used in manufacturing process. The **highest quality standards and consistency are maintained** using sophisticated measurement and inspection equipment. Please inquire, we will be happy to accommodate your specific needs. Whatever your application or objectives, UKAM Industrial Superhard Tools can help you get there faster.

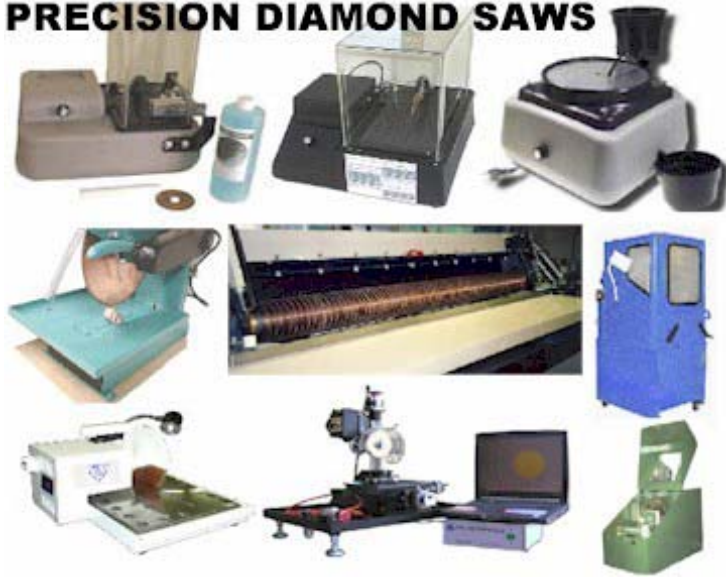


**UKAM Industrial Superhard Tools** Division of LEL Diamond Tools International, Inc.  
 28231 Avenue Crocker, Unit 80 Valencia, CA 91355 USA  
 Phone: (661) 257-2288 Fax: (661) 257-3833 www.ukam.com

**SECTIONING SAWS, GRINDERS/POLISHERS & CONSUMABLES**

**For R & D and Manufacturing Organizations on a Budget**

**PRECISION DIAMOND SAWS**



[http://www.ukam.com/diamond\\_saws.htm](http://www.ukam.com/diamond_saws.htm)

UKAM Industrial produces complete range of Sectioning Saws and Accessories for sample preparation (sectioning) of advanced materials, ultra hard & brittle materials, optics, composites, metals and etc. Typical applications include materials such as: ceramics, glass, plastics, quartz, metals, and graphite. **Most samples / materials can be sectioned in seconds or few minutes with no material deformation.** Preserving true sample / material micro structure. **Providing equal Precision, Productivity and Versatility as High Cost Fully Automatic Diamond Wafering Saws, at a small fraction of the price.**

**APPLICATION:**

- Sample Preparation
- Quality Control
- R & D
- Failure Analysis
- Manufacturing

**USED BY:**

- Universities
- Government R & D Labs
- Commercial Laboratories
- Manufacturing Facilities

**SMART CUT™ Synthetic Water Soluble Coolant**

*will improve your sectioning and diamond machining operation by as much as 30%. Mix ration 1 : 20*



- Improve Sectioning Speed and Efficiency
- Increase Blade Life
- Improve Surface Finish
- Reduce Chipping
- Reduce Material Cracking
- Preserve Material True Micro Structure

**Grinding & Polishing Machines for Mechanical Sample Preparation**

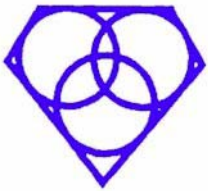
UKAM Industrial also produces 6" to 24" (150mm to 609mm) diamond grinding, polishing machines for Industry and R & D. Designed coarse & fine grinding and polishing of Advanced, Ultra Hard & Brittle Materials, Optical Materials, Composites. High hardness materials including metals, ceramics, refractories, cement, and petrographic thin sections. As well as full range of optical materials, such as: Bk7, Fused Silica, Zeroder, Quartz, Soda Lime Glass, Yag, Sapphire, and **Many Other Materials.**



**Diamond Discs are available in any Metal or Resin Bond in any diamond mesh size to fit our machines or all popular grinding & polishing machines such as BUEHLER, STRUERS, LECO & many others.**

**COMPARE TO ANY BRAND NAME SAW & GRINDER / POLISHER**

**SAVE UP TO 650% - INQUIRE TODAY**



**UKAM Industrial Superhard Tools** Division of LEL Diamond Tools International, Inc.

28231 Ave Crocker, Unit 80 Valencia, CA 91355 USA

Phone: (661) 257-2288 Fax: (661) 257-3833 [www.ukam.com](http://www.ukam.com)

## HOW TO ORDER



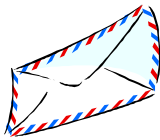
### Order by Phone:

Call: (661) 257-2288 Monday through Friday 8:30 a.m. to 5:30 p.m.



### Order by Fax:

Fax: (661) 257-3833, available 24 hours a day.



### Order by Mail:

send your orders to: 28231 Avenue Crocker, Unit 80 Valencia, CA 91355 U.S.A.

please include product item number, description, and payment.

### Accepted forms of payment



We accept Visa, MasterCard, and American Express. Organizations located in State of California add 8.25% sales tax. Net 30 terms on approved credit. Credit terms are only available to eligible organizations in USA and Canada.

Pre Payment is requested from all customers outside North America. Payment by wire transfer is preferred. If paying by wire transfer, please add \$35.00 USD to total. This is how much our bank charges us for each incoming wire transfer.