

## Precision Diamond Lapidary Blades - SMART CUT

Best performance & price per cut. Blades last **80% to 40%** longer than conventional sintered blades available. Thinner blades allow less loss of material.



Continuous Rim

Different Product  
Different Company  
Different Technology

### Precision Diamond Lapidary Blades

**THE RESULT** series precision sintered (metal bonded) diamond lapidary blades are the highest overall performance blades available today. Manufactured utilizing **SMART CUT** technology, these blades will give you the best performance and price per cut. **THE RESULT** series precision diamond lapidary blades will give you consistent results consistent results you can count on everyday.

#### Application

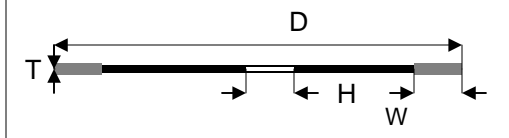
Sapphire + Ruby + Emerald + Opal + Agates + Jade + Petrified Wood + and many other materials

#### Used on:

All popular trim saws, cutting saws, gang saws, and other equipment

#### ADVANTAGES

- + Chip Free Cutting
- + Cuts Faster
- + Lasts Longer
- + More Precision
- + Minimal Dressing
- + More Universal
- + More Aggressive
- + Smoother Finish
- + Straight Cut
- + Heat Resistant
- + Easier to Use
- + Save Material
- + NO OIL (water cooled)



### Advanced technology that redefines the standard in cutting

Item #	Diameter	Rim Width	Rim Depth	Suggested Retail
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23-4670W	4" (101.6mm)	.014" (0.35mm)	.20" (5mm)	\$56.00
23-4671W	4" (101.6mm)	.020" (0.5mm)	.20" (5mm)	\$57.00
23-4673W	6" (152.4mm)	.014" (0.35mm)	.20" (5mm)	\$59.00
23-4674W	6" (152.4mm)	.020" (0.5mm)	.276" (7mm)	\$62.00
23-4675W	6" (152.4mm)	.032" (0.8mm)	.276" (7mm)	\$64.00
23-4678W	8" (203.2mm)	.025" (0.6mm)	.276" (7mm)	\$75.00
23-4679W	8" (203.2mm)	.032" (0.8mm)	.276" (7mm)	\$77.00
23-4711W	10" (254mm)	.032" (0.8mm)	.276" (7mm)	\$93.00
23-4712W	10" (254mm)	.040" (1.0mm)	.276" (7mm)	\$98.00
23-4716W	12" (300mm)	.0512" (1.3mm)	.276" (7mm)	\$182.00
23-4717W	14" (350mm)	.0512" (1.3mm)	.276" (7mm)	\$225.00
23-4718W	16" (400mm)	.0512" (1.0mm)	.276" (7mm)	\$268.00

All sizes are in stock and ready for same day delivery.

Quantity Discounts are available.

**Guarantee:** 100% Quality and Satisfaction is Guaranteed

**+ SAVE MONEY!!!**

# SMART CUT

ADVANCED TECHNOLOGY  
THAT REDEFINES

THE STANDARD  
IN CUTTING



## SMART CUT Difference

That's the difference you get out of every **SMART CUT** product. The difference you can't see, but you will feel and highly appreciate.

= RESULTS

## NEWS RELEASE

Date: October 16, 2000

UKAM Industrial Superhard Tools, Division of LEL Diamond Tools International, Inc. has recently introduced a new breakthrough: **SMART CUT** technology in manufacturing precision diamond lapidary blades. This technology allows us to properly position and orient the diamond inside the metal matrix. Making sure every diamond is in the right place and at the right time, working where you need it most. (Please, see diagram ....)

**maximum cutting performance** – each diamond works like a small work horse. Diamonds come in contact with the material in the right place and at the right time, working where you need them most. You get the maximum use out of diamond and bond. Some unique benefits & advantages of **SMART CUT** technology:

**no glazing** – requires minimal dressing, the bond renews itself

**faster cutting action** - Diamond lapidary blades manufactured utilizing this technology are much more aggressive than your conventional blades. They cut faster, still leaving behind a smooth finish.

**more universal & longer lasting** - These diamond blades are designed to work on virtually any material you can find. You can cut very hard materials, than switch to cutting very soft materials and the blade will maintain the same consistent performance. 7mm diamond depth allows the blade to last 80% to 40% longer on the hardest materials

**superior coolant system** - these blades are designed to cut with or without oil. We feel it is more preferable to the user to use water as a coolant. Oil does not a proper coolant for this procedure, as most other manufacturers would suggest. Water is a true organic coolant, witch does not leave the material being cut oily or greasy.

SMART CUT™

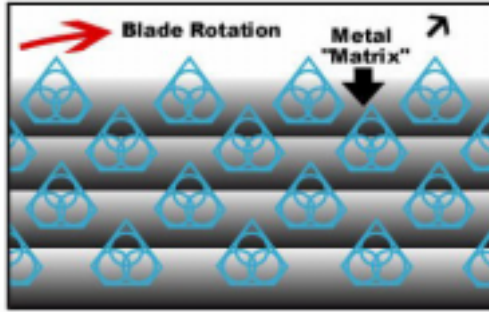


Expect **MORE** from your tools

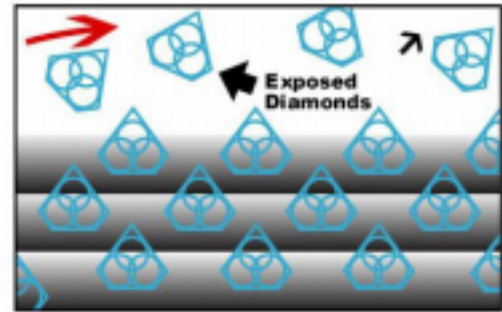
25345 Avenue Stanford, Unit 211 Valencia, CA 91355  
Phone: (661) 257-2288 Fax: (661) 257-3833

## How Smart Cut Works?

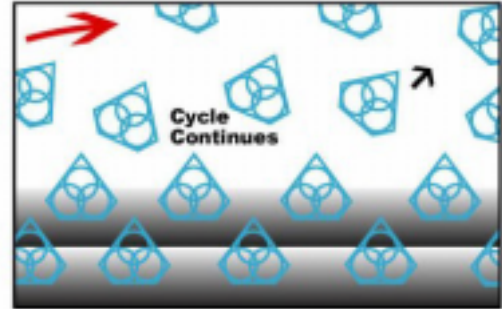
The sharpest and finest quality DeBeers diamonds that go into a Smart Cut Diamond Bond, immediately penetrate into the material, grinding and polishing as they cut.



Diamonds are activated only at the exposed layer. As diamonds layer begin to wear out, diamonds in a new diamond layer are immediately activated, substituting the already used up diamond layer. The Smart Cut Diamond Bond makes sure every diamond is in the right place and at the right time, working where you need it most.



The newly exposed diamonds don't effect diamonds already working on the material. Unlike many other diamond bonds, diamonds in a Smart Cut remain sharp and grow sharper with each cut. Prolonging product life and consistent performance.



This advanced formulated open diamond bond design insures minimal chipping, fast cut, constant speed of cut, minimal cutting noise, and most important of all minimal loss of precious material.

## THE NEXT GENERATION OF PRECISION DIAMOND

## LAPIDARY BLADES

### UKAM Industrial Superhard Tools

is one of the largest precision diamond tool manufacturers in the U.S. and Europe. Specializing in:

- Cutting
- Drilling
- Accessories

With over 50 years of experience in manufacturing, research, and development. Following the belief "that there is always room for improvement", **we continue to raise standards for the whole industry.**

### Largest inventory in the U.S.

With over 4,000 diamond blades, 1,000 diamond drills, and drilling accessories in stock. You are sure to find the solution you are looking for in stock and ready for same day delivery.

# NEW GENERATION AND TECHNOLOGY

THE RESULT series Segmented Diamond Blades are manufactured with patent pending **SMART CUT** technology. These blades pick up where others blades leave behind.



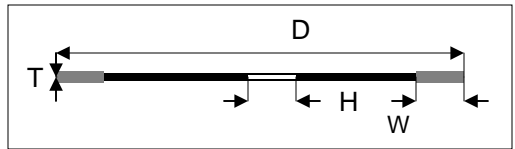
Segmented Rim

Different Product  
Different Company  
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## THE RESULT

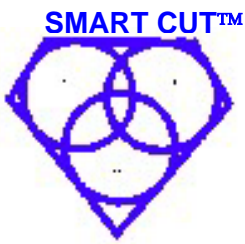
### Segmented Diamond Blade (Super Premium)

THE RESULT series segmented diamond blades are the most heavy duty, precision, and effective material savers that provide a clean cut on a full range of precious and semi precious stones. THE RESULT blades are some of the thinnest kerf and longest lasting blades available on the market. Manufactured utilizing **SMART CUT** technology, THE RESULT series segmented diamond blades will give you consistent results everyday.



## ADVANTAGES

- More Universal
- Cuts Faster
- Cuts Smoother
- Lasts Longer
- Minimal Chipping
- Minimal Loss of Material
- More Precision
- Saves Material
- Easier to Use

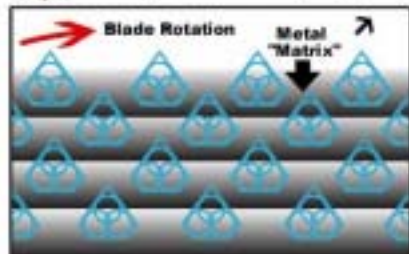


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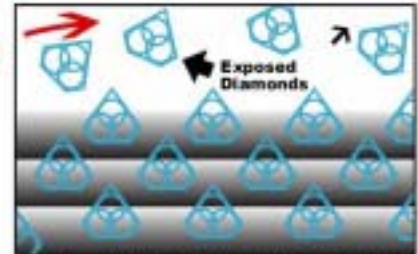
Expect **MORE** from your tools

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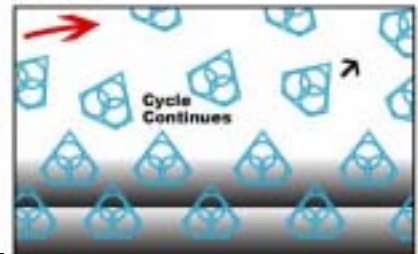
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## SIZE / SPECIFICATION

Item #	Diameter	Rim Width	Rim Depth	Arbor	Recommended Operating Speed (RPM) 5000 SFM	Suggested Retail Price
23-4818S	18" (454mm)	.094" (2.40mm)	.276" (7mm)	1-3/4"	900	\$291.00
23-4820S	20" (504mm)	.094" (2.40mm)	.276" (7mm)	1-3/4"	825	\$382.00
23-4824S	24" (604mm)	.094" (2.40mm)	.276" (7mm)	1-3/4"	700	\$684.00
23-4830S	30" (762mm)	.126" (3.20mm)	.276" (7mm)	1"	550	\$971.00
23-4836S	36" (900mm)	.189" (5.00mm)	.276" (7mm)	1"	500	\$1443.00

All sizes are in stock and ready for same day delivery.  
Other sizes are available upon request. Please check for availability.  
Prices are F.O.B. Valencia, CA  
Quantity Discounts are available

**Guarantee:** 100% Quality and Satisfaction is Guaranteed

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ADVANCED TECHNOLOGY  
THAT REDEFINES  
THE STANDARD  
IN CUTTING