

SMART CUT™ LP

Variable Speed Lapping Machine

SMART CUT™ LP is a Variable Speed Precision Lapping Machine. Providing equal Precision, Productivity and Versatility as High Cost Fully Automatic Lapping Machines, at a small fraction of the price. Perfect for Production and R & D facilities on a Budget. This machine is able to withstand more exploitation, requires less maintenance, and much easier to use than Fully Automatic Lapping Equipment. *What you will save on cost of Consumables will more than pay for SMART CUT™ LP4 in short period of time.*



SPECIFICATIONS:

- Motor: 6" & 8" Machines - 1/4 HP
- equivalent Ball Bearing DC with 115 VAC Converter.
- Variable Speed 500 to 3,000 RPM
- Drive: Direct Drive on 2" Flange

Dimensions:

6" Universal - 12" x 12" x 7"

8" Universal - 12" x 12" x 7"

Weight:

6" Universal - 16 lbs. including accessories.

8" Universal - 18 lbs. including accessories.

FEATURES:

Runs very quietly. Perfect for laboratory or production environment.

Runs cleanly. No plastic aprons and cold, coolant-soaked hands are required. Specially designed coolant spray shield keeps coolant in the work area and not on you. The finishing process uses a modest supply of coolant - in most cases, a quart of coolant will last all day.

Clean up is easy. Just remove the coolant spray shield and tray, wash, and you are ready to work again.

Very versatile. SMART CUT™ LP4 has been successfully implemented in thousands of applications, from material rework, to sample preparation on just any material.

ADVANTAGES:

- VARIABLE SPEED
- EASY TO USE
- QUIET
- CLEAN
- PORTABLE
- VERY AFFORDABLE
- REQUIRES MINIMUM MAINTAINANCE
- CAN BE USED IN JUST ABOUT ANY APPLICATION
- PERFECT FOR LABORATORY USE & SMALL PRODUCTION

Consumables/Accessories



- Variable Speed Ballbearing DC Motor with 115 VAC converter and coolant reservoir with splash guard
- 180 Mesh Metal Bond Diamond Disc, hydraulically pressed to a backing plate
- 325 Mesh Diamond Sanding Disc
- 600 Mesh Diamond Sanding Disc
- 1200 Mesh Diamond Sanding Disc
- White Polish pad with 14,000 mesh diamond compound
- 4 units of disc backing plates
- Complete Instructions



UKAM Industrial Superhard Tools

Division of LEL Diamond Tools International, Inc.

25345 Avenue Stanford, Unit 211 Valencia, CA 91355 USA

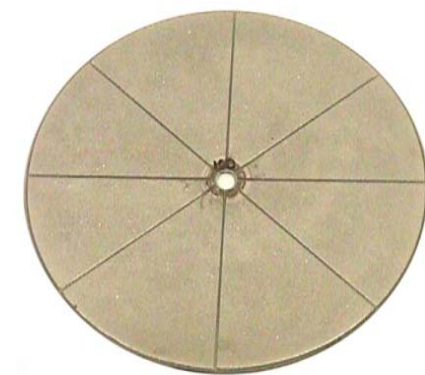
Phone: (661) 257-2288 Fax: (661) 257-3833 www.ukam.com

INDUSTRIES USED IN:

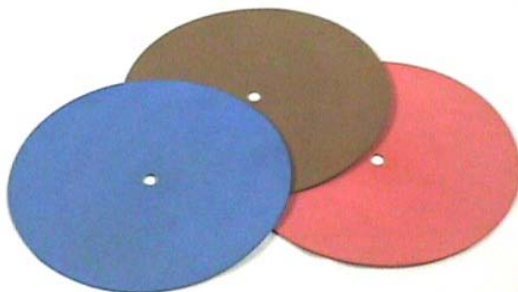
- Automotive / Diesel
- Aerospace
- Compressor & Valve
- Pumps
- Tool & Die
- Bearings
- Precision Optics
- Precious & Semi Precious Stone

- Technical Ceramics
- Data Storage
- Semiconductor
- Medical Devices
- Specially Materials / Products
- Mechanical Seals
- Composites
- Glass
- Stone
- Metallography

Diamond Laps



Resin Bonded Diamond Discs



Perfect for coarse and fine grinding of high hardness materials including metals, ceramics, refractories, cement, and petrographic thin sections.

Diamond Discs used for pre-polishing are an excellent choice for removing chips and scratches on your material.

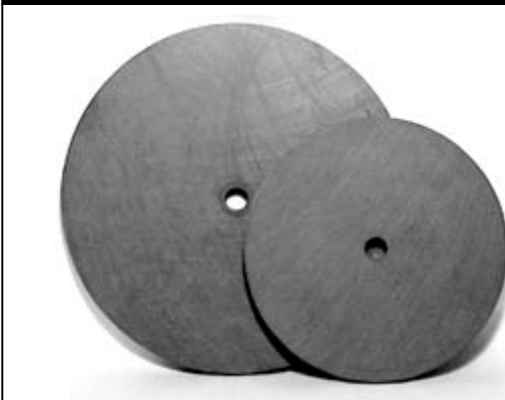
ADVANTAGES:

- Flexible Resin Bonded Diamond Disc.
- High Concentration of Diamond Mixed in Resin.
- Available in Cloth, Adhesive, & Magnetic Backing
- Fast Grinding
- Removes Chips and Scratches
- Replaces Cork / Pumice
- Needs Only Water for Coolant
- Center Hole or No Hole
- Long Lasting
- Takes place of Cork with Pumice

ADVANTAGES:

- Fast Material Removal
- Minimum heat generation
- Clean & Inexpensive process
- Very thin material can be processed to precision tolerance.

Backing Plates



(Master Laps) A precision ground composite backing plate used to back up thin polish discs, Diamond Toppers and sanding pads. Manufactured to exact precision; flat and parallel within TIR .001. Arbor hole is 1/2".

Diamond Laps radically reduce the time required for material lapping process and will save you aggravation of cleaning up all the used grit around your wheel.

- Sizes include 4" to 36"
- Diamond Mesh/Grit Sizes include 40, 60, 80, 100, 180, 260, 360, and 600. Other mesh are available upon request)
- Disks utilize 100% DeBeers diamonds electroplated onto a fiberglass substrate, coated with copper sheet.
- Has Magnetic backing, attaches

IMPROVE PERFORMANCE

SAVE MONEY



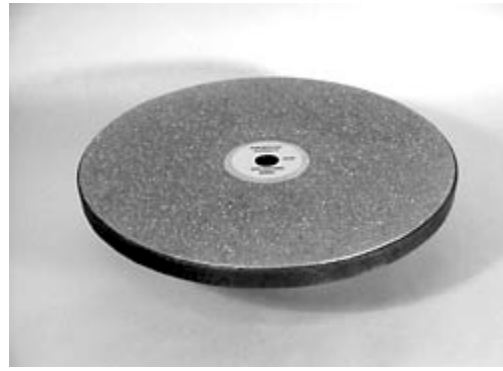
Synthetic Felt Polishing Discs



- Synthetic Felt
- Magnetic Backing
- Use with Cerium Oxide
- Center Hole or No Hole
- Long Lasting

Diamond Lapping Equipment radically reduce the time required for material lapping process and will save you aggravation of cleaning up all the used grit around your wheel. A great substitute for leather and felt discs. White polish pads will accept diamond compound, powder and all oxide type polishing powders

Diamond Grinding Discs



Metal and Resin Bonded Precision diamond discs bonded to a composite backing plate offer a flat and parallel grinding surface for material and sample preparation of all types of applications.

Diamond Polishing Strips



Diamond Lapping radically reduces the time required for material lapping process and will save you aggravation of cleaning up all the used grit around your wheel.

- Flexible Resin Bonded Diamond Strip
- High Concentration of Diamond Mixed in Resin.
- Adhesive Backing
- Fast Grinding
- Removes Chips and Scratches
- Replaces Cork / Pumice
- Needs Only Water for Coolant
- Long Lasting

Diamond Grinding Disc Backing



replacement for old discs. Simply apply to top of any master backing plate. Each Topper comes with a pressure-sensitive adhesive backing.

Resin Bond Diamond Discs



A great advance in the smoothing and pre-polishing of material samples. Diamonds are locked into a multi-layer resin surface delivering a long, consistent life. (Not recommended for heavy stock removal)

HOW TO ORDER



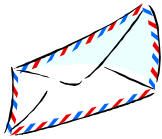
Order by Phone:

Call: (661) 257-2288 Monday through Friday 8:00 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: 25345 Avenue Stanford, Unit 211 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. California Residents add 8.25% sales tax.

Guarantee: The quality of our products are 100% guaranteed.

International Orders

Mail, fax, or e-mail orders to UKAM Industrial Superhard Tools. A confirmation of receipt will be forwarded to buyer immediately. If a confirmation of receipt is not received, buyer should resubmit

the purchase order to UKAM Industrial Superhard Tools in order to insure processing of the order. UKAM Industrial Superhard Tools will calculate and fax or e-mail the subtotal of the merchandise and comparison shipping charges when the order is prepared to be shipped. Buyer should then choose the preferred means of shipping, add shipping costs to the subtotal of estimate and notify UKAM Industrial Superhard Tools by phone, fax, or e-mail, regarding preferred shipping and chosen method of payment.

Whatever your goal or objective

**UKAM Industrial can help you
get there faster.**

Largest Inventory & Selection

with over 2,000 different types & specifications of precision diamond products available from inventory. You are sure to find what you are looking for in stock and ready for same day delivery.

- Over 4,000 Precision Diamond Blades in stock
- Over 1,000 Diamond Drills & Drilling Accessories in stock
- Hundreds of Diamond Dicing Blades in stock

If we don't have it in stock. Chances are no body will. Call: (6 6 1) 2 5 7 - 2 2 8 8

Manufacturers Direct Prices

SMART CUT precision diamond products offer the best value & performance. In most cases UKAM Industrial Superhard Tools can meet and beat a competitors price on products of same quality & performance. If you are not using one of our products, chances are you are paying to much.

Research and Development

UKAM Industrial Superhard Tools has over 50 years of experience in manufacturing, research, and development of new and advanced technologies to keep up with your increasing challenges.

Technical Support

We are committed to helping you improve and optimize your cutting and drilling operation to the outmost level of efficiency. If you have a special application, that requires a custom solution. Send us a piece of your material, and we will analyze it in our laboratory and design a bond formulation for your particular requirement.

You can rely on us and our group of authorized application engineers to assist you in your cutting requirements, answer any questions, and provide you with the personal attention you deserve. Please, feel free to contact our Technical Support Team at Phone: (661) 257-2288 from Monday to Friday 8:00 to 6:00 p.m. PST.

Incredible Value

UKAM Industrial Superhard Tools offers you real value and savings. Our Precision Diamond Products manufactured utilizing **SMART CUT** technology will

- save you money
- save you time
- save you material
- improve overall performance

Try a precision Diamond Product with SMART CUT technology TODAY!!!

Custom Manufacturing

Can't find what you are looking for? Let us know. We can manufacture it for you or redesign our products to better fit your needs, standards, specifications, and requests.

New Generation & Technology

UKAM Industrial Superhard Tools is a LEADER in developing new products. We are constantly engaged in Research & Development to better meet your needs and expectations. And continue to raise standards for the whole industry. With UKAM you can rest assured you're getting the latest, cutting edge products you deserve.