

KOVAX®

Lapika®  
ラピカ

precision lapping film

KOVAX®



# Lapika®

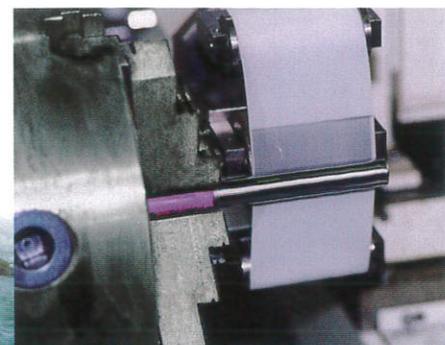
ラピカ

Lapping Film

KOVAX CORPORATION has contributed to the field of sanding and finishing in every sort of manufacturing process.

As products are becoming smaller and more integrated, demands for fine process are increasing on manufacturing and the process of finishing. To meet such demands, we, as a specialized producer that has long been engaged in researches, developments and marketing of coated abrasives, would like to propose you systems designed to assist in creating products of greater precision. These systems also offer you to work in an unparalleled clean environment, based on our environmental-friendly policy.

Precision film avrasive, "Lapika" is the name of registered goods of KOVAX Corporation.



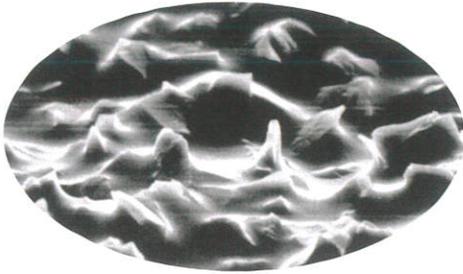
Roller for O.A machine



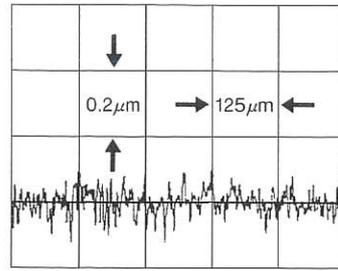
Ferrule for optical fiber



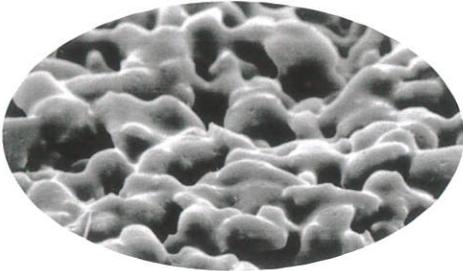
Optical fiber connector



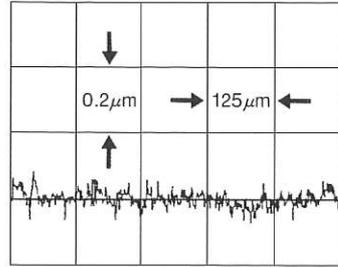
SEM Photograph (Regular goods) ? 1000



Electrostatic coating system (item:SP#2000)



SEM Photograph (Lapika) ? 1000



Roller coating system (item:Lapika #2000)

### Advantages

#### High accuracy - Super precise finish

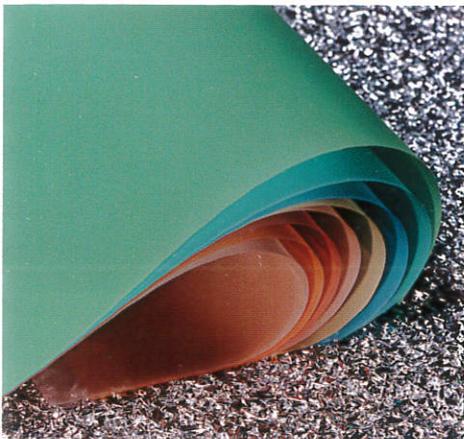
Uniform distribution and coating of micro abrasive grains bonded by special binder resin prevents deep scratching and irregular finishing. A highly precise smoothness and super finish can be obtained.

#### Water and oil resistance - Automatic finish - Quality control

With a polyester film backing, Lapika is highly resistant to oil and water, and can be applied for wet finishing. It has a great tensile strength and tear resistance, which can be applied for machine-driven automatic finish and mass production, and facilitates quality control.

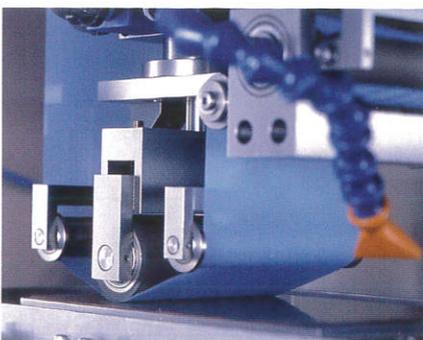
#### Automatic finish - Quality control

The special coating prevents grinding dusts. No scratch by grinding dusts. It realizes the clean polishing which is excellent for environmental matter.

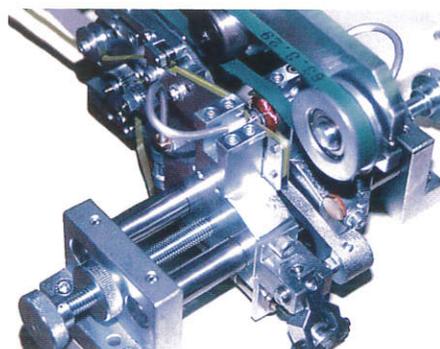


### Main applications

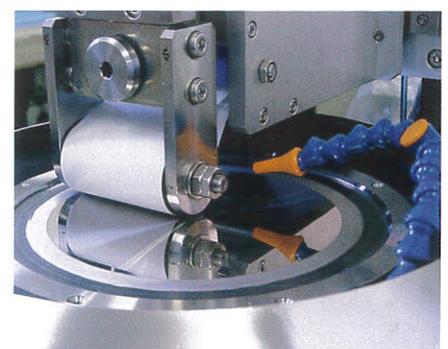
- Super finish of precision parts
- Finishing Polish of roller for O.A machine
- Polishing for contact face of optical fiber connector
- Making flat surface of layers on FPD
- Finishing and cleaning magnetic head and magnetic disc
- Finishing micro-motor commutators and shafts
- Polishing backside of optical disc stamper



Surface of FPD & Substrate



Micro motor



Optical disk stamper

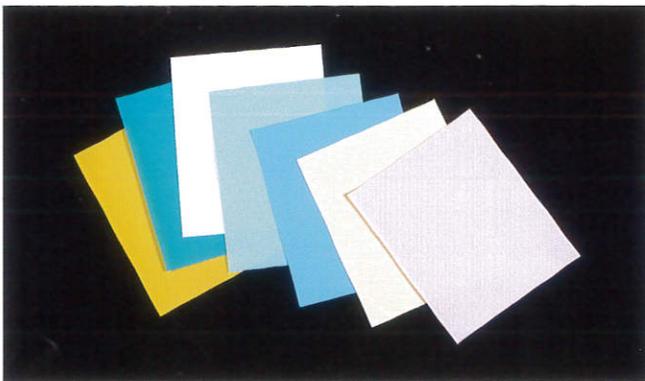
## ■ Production program and available grits

WA(Al<sub>2</sub>O<sub>3</sub>) — Aluminum Oxide  
 GC(SiC) — Silicon Carbide  
 D — Diamond

## A part of Lapika product line

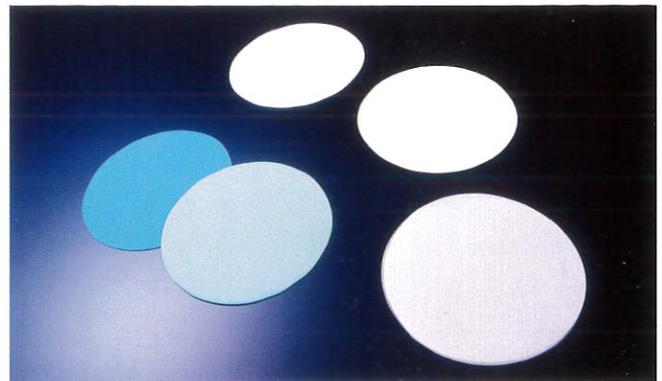
Grit (#)	10,000	8,000	6,000	4,000	3,000	2,000	1,500	1,200	1,000	800	600	400	320
Micron (μ)	0.5	1	2	3	5	9	10	12	15	20	30	40	50
WA (Al <sub>2</sub> O <sub>3</sub> )	yellow	pink	light blue	light green	violet	white	yellow green	gray	orange	blue	green	moss yellow	red purple
GC (SiC)		○	○	○	○	○	○		○	○	○		
D		purple	yellow	pink	green	blue			orange	blue	moss green		

## ■ Shapes



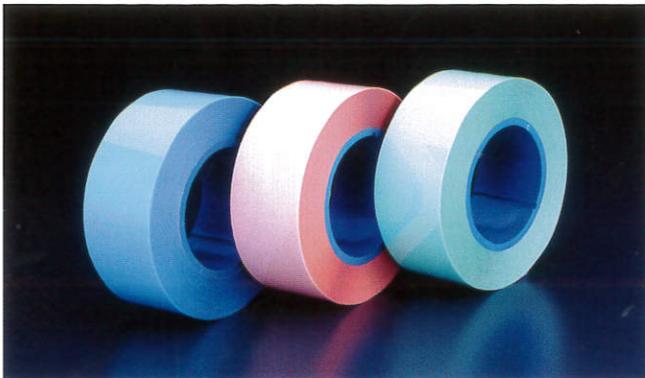
### • Sheet Type

Size : 228mm × 280mm (9" × 11")  
 Backing thickness : 75 micron (3 mil)  
 Other sizes can be made to order



### • Disc Type

Size : 125mm.(5") dia 203mm.(8") dia.  
 Backing thickness : 75 micron (3 mil)  
 Other sizes can be made to order



### • Roll Type

Size : 4.5mm~ 530mm(W) × 100m  
 Backing thickness : 75 micron (3mil)  
 Other backing thickness and length can be made to order



### • Reel Type

Size : 1.5mm ~ 4.5mm(W) × 100m  
 Backing thickness : 75 micron (3mil)  
 We make use of exclusive plastic reel for the purpose of avoiding loose winding.

Feel free to contact our sales representatives for further details.

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