



Nanolap[®] New products for Microfinishing

36M & 37M series

American-based Nanolap Aluminum Oxide Microfinish Polishing products can be applied to steel belt, aluminum band, stainless steel rolls, paper manufacturing machinery, printing industry and other industry areas. Our products can definitely be used in shaft parts which made of titanium, copper, steel, rubber, polyurethane, tungsten carbide, porcelain, aluminum for polishing and super finishing.



Roll Grinding

NANOLAP high-performance film can quickly grind the parts to fit the desired dimensions and specifications. Also, it leads to good surface preparations for further improvement.

In addition, NANOLAP high-performance film can help you reach the desired process requirements easily.

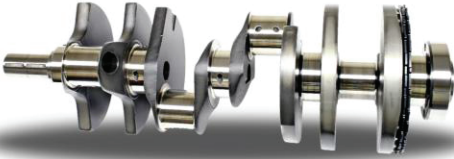

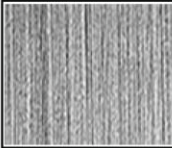
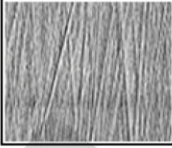
Including the dimensions, specification, circularity, roughness and degree of parallelism.

Product Features

- High cutting ability and flatness
- Increasing production capacity and efficiency
- Accurate control of the grinding process and stability
- No swing pattern and vibration pattern
- Uniform polishing effect



The value of Ra after polished (Ra/ μ m)							
Workpiece Material	Lapping Film grit size				Polishing Film grit size		
	60 μ	30 μ	15 μ	9 μ	12 μ	9 μ	3 μ
Aluminium	1.5	1.0	0.65-0.7	0.28-0.32	0.13	0.075	0.03-0.05
Copper	2	0.80-0.85	0.3	0.10-0.12	0.05	0.03	<0.03
304 Stainless steel	0.55-0.60	0.20-0.23	0.10-0.13	0.05-0.08	0.03-0.06	<0.03	<0.03
Tool Steel	0.5	0.23-0.26	0.08-0.10	0.05-0.08	0.03-0.06	<0.03	<0.03
Nylon90A	1.6-1.7	0.50-0.64	0.28-0.33	0.15-0.18	0.08	<0.05	0.03

	
<p>Camshaft and crankshaft grinding and super finishing</p> <p>According to the actual needs of the market and the process requirements increasing. To the every kinds of shafts surface roughness increasing requirements and the large demand of mass production requirements, the process of grinding and super finishing consumables can be sustained and steady is our pursuit of the ultimate.</p>	<div data-bbox="767 472 938 619">  <p>The surface after polished Checking by 150X <i>Evenly grind the surface to achieve the requirements of RA.</i></p> </div> <div data-bbox="767 635 938 782">  <p>The surface after polished Checking by 300X <i>Evenly grind the surface to achieve the requirements of RA.</i></p> </div>



Product dimensions & specification:

36M

4"x150FT / ROLL

3mil (75um) PET FILM, Non-slip coating with the printing of the grits size on the back.

Supplying customers' requirement.

Grit Size :

60um, 50um, 40um, 30um, 20um, 15um, 9um

37M

5mil (125um) PET FILM, Non-slip coating with the printing of the grits size on the back.

Supplying customers' requirement.

Applied to the automotive parts polishing and grinding such as camshafts, crankshafts, gear shafts and so on. All gets great finish and RA.

Grit Size :

60um, 50um, 40um, 30um, 20um, 15um, 9um

Nanolap Products for Microfinish



The new released products by Nanolap have the best cutting rate and finish, it can shorten the work hours and costdown, the quality the effectiveness and of our new products also exceed the competitors in the world.

Comparing with the competitor

NANOLAP 37M 9um

Measuring conditions
 Probe: TK100
 Measuring range: 80um
 Linear traverse unit: waveline 120
 Speet (Vt): 0.50 mm/s
 Measuring points: 9600
 Probe factor: OFF
 Filter for profile P-R-W: ISO11562
 Lc (Cut Off): 0.800mm
 Lc /Ls: 300
 Height discrimination C1: +5% Rz um
 Height discrimination C2: -5% Rz um
 Zero Line Pmr: 0.00%
 Zero Line Rmr: 0.00%

Ra: 0.019um
 Rpm: 0.065um
 PPc: 326.5 /cm
 Rmr(75.0%): 0.080um
 Rsk: -0.6923

3x 372L 9um

Measuring conditions
 Probe: TK100
 Measuring range: 80um
 Linear traverse unit: waveline 120
 Speet (Vt): 0.50 mm/s
 Measuring points: 9600
 Probe factor: OFF
 Filter for profile P-R-W: ISO11562
 Lc (Cut Off): 0.800mm
 Lc /Ls: 300
 Height discrimination C1: +5% Rz um
 Height discrimination C2: -5% Rz um
 Zero Line Pmr: 0.00%
 Zero Line Rmr: 0.00%

Ra: 0.020um
 Rpm: 0.058um
 PPc: 380.4 /cm
 Rmr(75.0%): 0.082um
 Rsk: -0.7088