

YAMATO SEITOSYO CORPORATION

CHERRY BRAND

PROFILE

We are the most experienced manufacturers of quality abrasive products in Japan, having the largest production record among other domestic makers.

Our products have found the widest range of application in various industrial fields for their versatility, reliability and skilled workmanship.

The majority of our products are being used in most of the leading manufactures with aim for higher productivity and well-balanced quality.

A number of our products have been so far shipped to USA, Southeast Asia, Africa, Europe, Middle East and etc, where our products meet with requirement there.

FEATURES

1. Latest production equipment ensures the highest reliable quality
2. Newly developed inimitable bond for excellent cutting performance and abrasive life.
3. Strict inspection for maintenance of the uniformity
4. Separately treated by gas heating for WA and by electric system for C, GC for the even balanced quality

HOW TO SELECT

In order to select and recommend the most suitable quality for your application needs, it is important for us to get the detailed information as much as possible so that the most effective operation is supplied.

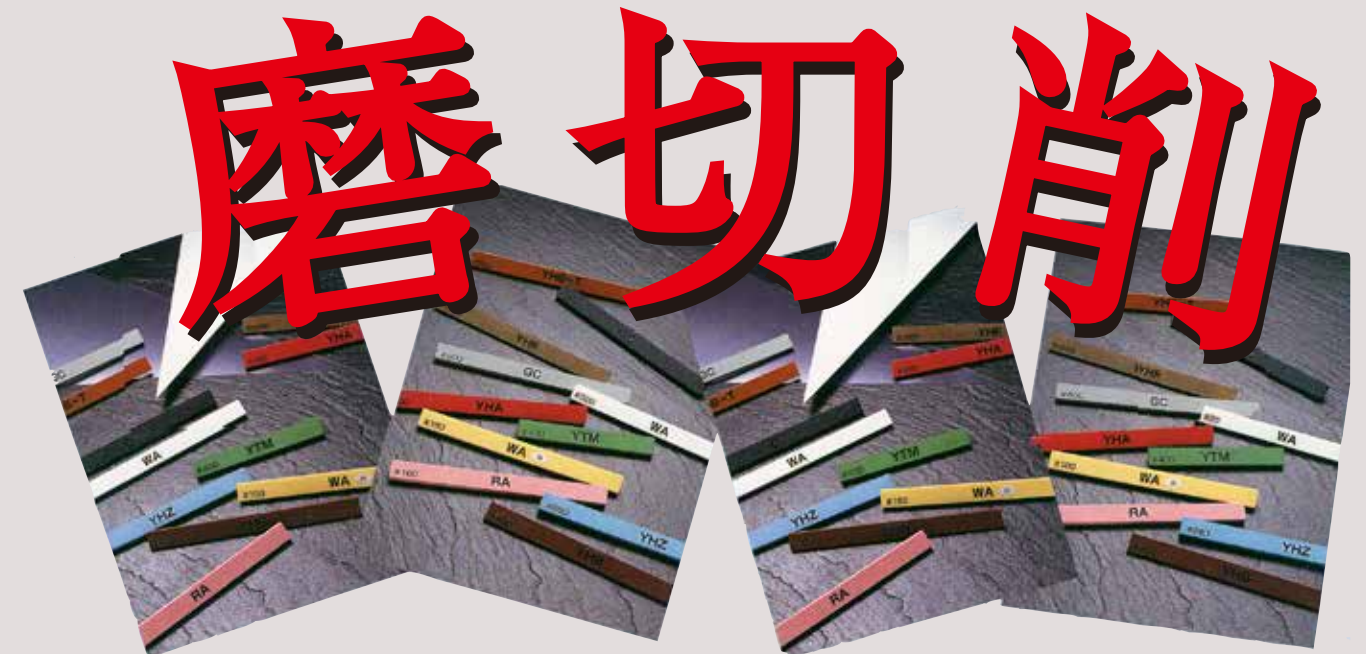
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CHERRY

ABRASIVES



SUPERFINISH STONES



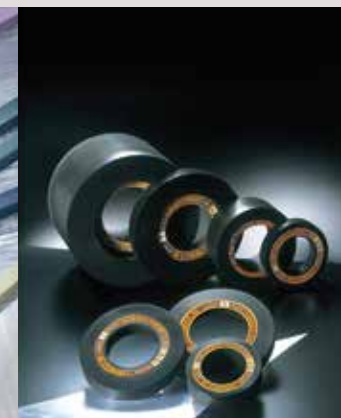
RUBBER MOUNTED POINTS



DIAMOND PASTES



HONING STONES



RUBBER CONTROL STONES



SUPER CUT OFF WHEELS



OIL STONES



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OIL STONE



OIL STONE

Oil stones are made of aluminum oxide abrasives processed by the vitrified method and are suited for grinding high tension materials such as irons or steels. Unlike conventional honing stones, oil stones are manufactured within definite grain sizes, hardness grades and dimensions, and are classified in rectangular and stick types.

TYPES	DIMENSIONS (mm)	
RECTANGULAR	75 × 25 × 9	150 × 50 × 25
	100 × 25 × 13	205 × 50 × 25
	115 × 38 × 16	
TAPERED SLIP	100 × 25 × 6 × 2	115 × 45 × 13 × 5
	115 × 45 × 6 × 2	150 × 50 × 13 × 5
	115 × 45 × 9 × 3	205 × 50 × 13 × 5
STICK(SQUARE/TRIANGLE/ROUND)	100 × 6.4	150 × 16
	100 × 9.5	150 × 19
	100 × 13	
STICK(HALF ROUND/OVAL)	100 × 6.4	
	100 × 9.5	
	100 × 13	
STICK(POINT)	100 × 9.5 × 1.5	
	100 × 13 × 3.2	

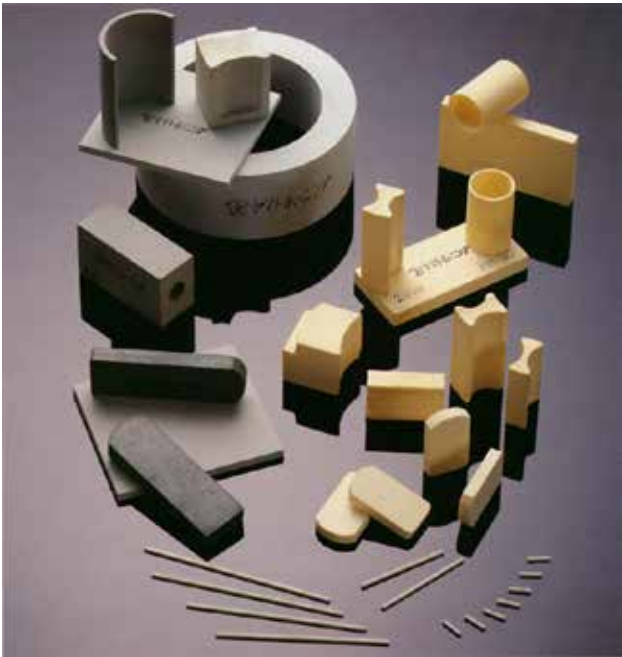
GRAIN SIZES AND HARDNESS GRADES

TYPES	GRAIN SIZES	HARDNESS GRADES
COARSE	120	70 – 80
MEDIUM	180	80 – 85
FINE	320	90 – 100
SUPER FINE	400	100 – 110
COMBINATION(MEDIUM/FINE)	180/320	

Any other specifications will be manufactured upon request.


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SUPERFINISH STONE



SUPERFINISH STONE

■ PURPOSE FOR SUPERFINISH

- Improvement of surface roughness
- Improvement of wear and abrasion resistance
- Reducing frictional resistance
- Improvement of contact interval
- Removal of chatter marks and spiral marks
- Noise reduction in rotor and sliding area
- Load diffusing
- Improvement of electric and magnetic characteristic
- Improvement of adherability of plating, coating and vapor deposition
- Prevention of seal abrasion
- Improvement of quality level by mirror finish

■ PROCESS OF SUPERFINISH

Superfinish is operated by one honing stone consistently and automatically changed from roughing to finishing process. In this respect superfinish is more efficient as compared with conventional lapping or honing methods. However, this operation is recently divided in roughing and finishing steps at most suitable conditions in each steps. In first, roughly grind with high pressure at low speed, and then finish to mirror effect with low pressure at high speed for the upgrading of superfinish performance.

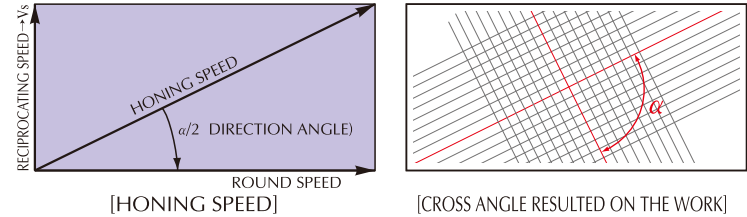
HONING STONE

■ WHAT IS THE HONING?

The honing means precision finish work by honing stones. While keeping the fixed contact position between the work and honing stones, it is efficiently operated by balanced combination of rotation, returning, and pressure.

■ FEATURES

1. High accuracy of dimensions and shapes for a wide range of finishing work
2. Cross-hatching finish result for high abrasion resistance and lubrication
3. Fewer affected layers
4. No dressing needed for efficient work



ABRASIVE GRAINS	GRIT SIZES	HARDNESS GRADES	BOND	TREATMENT
WA, GC, C	#60-#6000	E – R	V(VITRIFIED) B(PHENOL BASE) T(RESIN BASE)	S(SULFUR) B(RESIN) COBALT
SD, CBN	#60-#10000	A – Z	V(VITRIFIED) B(RESIN) M(METAL)	CONCENTRATION


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HONING STONE



MOLD POLISHING STONE

In these days, mold manufacturing have made remarkable development in accordance with the advancement of machining technologies and research for new materials. We, as the most experienced manufactures for abrasive products, have developed new type of mold polishing stones to meet the demand on the spot for higher quality surface finishing. Our mold polishing stones improve working efficiency and accuracy of your quality standard.

STANDARD ITEMS OF MOLD POLISHING STONE

TYPES	GRIT SIZES	DIMENSIONS	
C	#80	100 × 6 × 1.5	* 150 × 6 × 3
GC	#100	* 100 × 6 × 3	150 × 13 × 1.5
RA	#120	* 100 × 13 × 3	* 150 × 13 × 3
WA	#150	* 100 × 13 × 5	* 150 × 13 × 5
YHA	#180	100 × 13 × 6	150 × 13 × 6
YHB	#220		
YHF	#240		200 × 13 × 5
YHZ	#280		
YTM	#320		
WA-S	#400		
YHB-T	#600		
	#800		
	#1000		

* mark shows standard stock item.

Any other specifications are available on request.


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POLISHING STONE

