

MARMO+MACTM
THE BIGGEST **STONE + DESIGN + TECHNOLOGY** TRADE FAIR

life with sTone
～ 石の温もりを、暮らしの中に ～

TOUEI INC.
OSAKA, JAPAN



PNEUMATIC WET POLISHER

WATER SANDER WS-6

WATER SANDER WS-6S(WITH SAFETY LEVER)

50 years have passed since our world's first air polisher WS-5 has been developed. Water Sander WS-6 and WS-6S had been developed using the latest Japanese technology.

The Greatest Feature:

1. Equipped with latest motor:

This latest motor makes possible to increase the rotation speed and torque up to 15 % even though the air consumption is reduced.

2. The industry first Shaft Lock system:

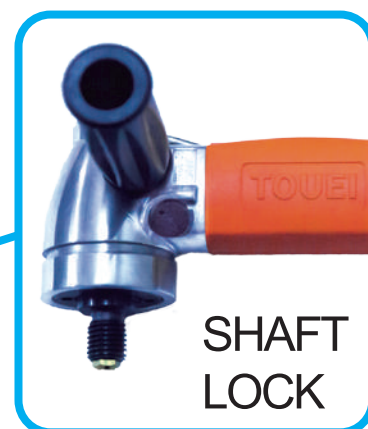
Using this new feature, it makes very easy to change the polishing pads.

3. Made in Japan from designing to processing

All designs, manufacturing and assembly of parts of our WS-6 and WS-6S are done by Japanese craftsmen.

BASIC SPECIFICATION

Rotation Speed	5000r.p.m. (without load) 4000r.p.m. (with load)
Max Working Pressure	0.4~0.6Mpa・80PSI
Air Consumption	16CFM・460L/Min
Output	0.24KW
Compressor	3.76KW (5.0HP)
Weight	1.02kg
Noise	83DB



Use this new feature to change your polishing pads, so that polishing pads will rotate in a perfect circle and cause less damages to the machine

WS-6

WS-6S



WS-6S is equipped with a safety lever, to comply with the EU Mechanical Directives



A rear exhaust system achieves reduced noise when polishing. It also manages to decrease scattering of motor oil, and keep users unaffected by cold air coming out of the machine

CAUTION:

- WS-6 and WS-6S are the air tools specially designed for pads size up to 100 mm. Also, they can't be used for cutting and grinding.
- Please use the air polisher with the specified air pressure (0.4~0.6Mpa 80PSI) and air consumption (16CFM 460L/min). The air consumption larger than its specification will damage the polisher. Especially a user who used the older model polisher should be careful about the air consumption.
- Using an air filter and regulator unit is highly recommended in order to prevent the WS-6 breakage.

PNEUMATIC WET SANDER



ORBITAL SANDER 62W WET TYPE

This is an industry first Wet type orbital sander. It is the best sander for dust control when polishing Acrylic artificial marble. It sucks up water from such as a bucket, so it can be used anywhere without water supply. It uses parts for wet type, so it is designed to be resistant to rust. It is also adapted by TOYOTA, and highly appreciated since the life is two or three times longer than the conventional one.



DOUBLE ACTION SANDER 55W WET TYPE

This is an industry first Wet type double action sander. The latest design reduces vibration, and makes the sander lighter and smaller, but still keeps the same torque. It sucks up water from such as a bucket, so it can be used in any environment without water supply. It uses parts for wet type, so it is designed to be resistant to rust. It is also adapted by TOYOTA, and highly appreciated since the life is two or three times longer than the conventional one.

PNEUMATIC SANDER



MULTI SANDER POLISHER 75

It is a special polisher designed to polish the areas where the hand polishing is difficult to reach. It makes possible to get fine gloss. Please use a piece of the old flexible diamond pad instead of the specific diamond pad.

	Rotation Speed (Without Load)	Air Consumption		Motor Output		Max Working Pressure			Compressor Output(HP)
	rpm	L/min	CFM	HP	kW	bar	PSI	MPa	
ORBITAL SANDER 62W WET TYPE	10000	440	15.5	0.27	0.20	6	87	0.6	5
DOUBLE ACTION SANDER 55W WET TYPE	10000	440	15.5	0.27	0.20	6	87	0.6	5
MULTI SANDER POLISHER 75	15000	300	10.6	0.17	0.13	6	87	0.6	5

AIR FILTER & PRESSURE REGULATOR UNIT



The compressed air, made with compressor, contains contamination such as oil and moisture. Contamination is the cause of damage in the Air Polisher. If compressed air is being sent from the compressor, the air filter is required to prevent condensation from the air hose.

Also, the motor of the older air polisher has less power, so more air pressure is needed. But our WS-6 adopts the latest motor, so less air pressure is required. The correct amount of air pressure is required in order for obtaining the best performance of the polisher. If you use more power than necessary, it will damage the polisher.

NEW

MINI AIR FILTER



Even though it is the smallest filter in the industry, this air filter prevents drain and water from entering into the air tool.

Q1.Although an air filter is provided with Compressor, does it need another air filter?

A1. Unfortunately the provided air filter can not remove Drain completely.

Compressed air contains not only Drain but also water and oil which are failure cause. We recommended using air filter.

Q2.How long is there difference between using air filter and using without air filter?

A2.We search a cause to repair in our company however we have never had a breakdown due to defective parts. Most cases come from added Drain or occurred rusty of Bearing. Although we have never searched the length of the extended duration, using air filter can for sure prevent malfunction of Bearing.

NEW

ELECTRIC CORDLESS MINI POLISHER EP83



It is a smaller and lighter rechargeable polisher. It can be carried to the site, and is perfect for repairing, such as scratches on the surface. With Akemi Liqui Polish, those scratches will be cleanly repaired. Adopting the variable speed trigger switch, it makes possible to switch the rotation speeds depending on the polishing situation. It is possible to polish for about 15 minutes with 40 minutes charge. All parts are made in Japan and the battery is Panasonic.

TOUEI BACKING PAD



Regular



Hard



Soft

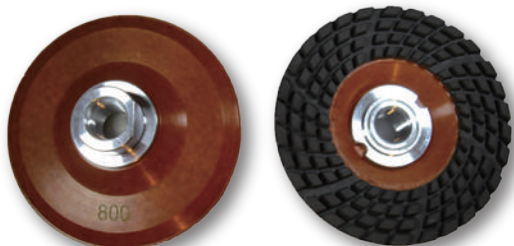


Type : Regular and Hard and Soft Size : 100mm(4") Spindle : 5/8-11 / 14mm / 16mm

Our backing pads are made in Japan and there are three features.

1. Capable of rotating in almost a perfect circle. The cheaper back pad with misalignment can't rotate in a perfect circle, and causes a damage to the machine.
2. Approx. 20 % lighter than older backing pads.
3. In addition to the regular backing pad, there are two new pads, Hard and Soft type. Hard type is for the flat surface, and Soft type is for the curved surface.

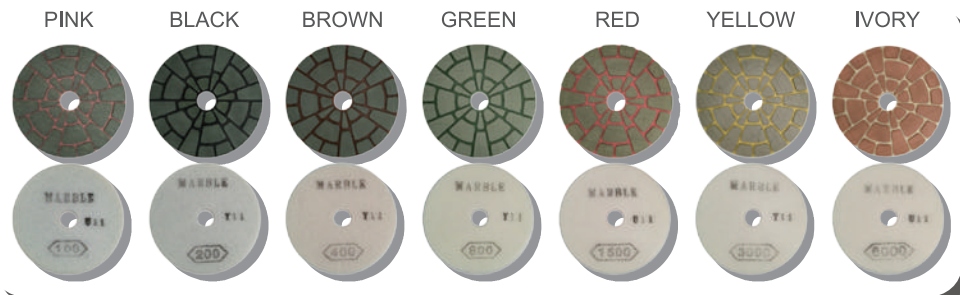
TK DIA



Size: 100mm(4")
Grit: #50, #100, #200 (DRY)
Grit: #100, #200, #400, #800(WET)

TK Dia disc is used for polishing the horizontal surfaces. It can polish well and be used for both dry and wet grinding.

MARBLE FLEX DIA



Size: 80 mm (3"), 100 mm (4") Grit: #100, #200, #400, #800, #1500, #3000, #6000

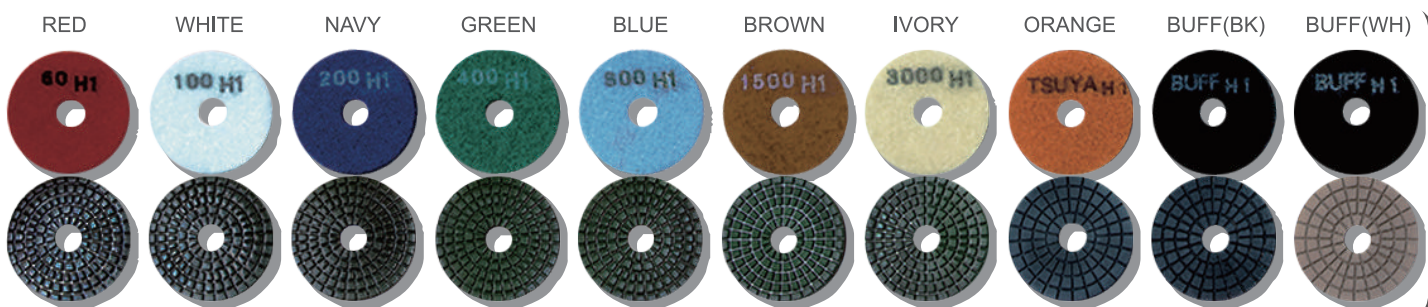
This is a flexible diamond pad specially designed for Marble stone. MARBLE FLEX DIA is very thick and can cut very well. Its life lasts very long. Without using the gloss powder, it can get the best gloss.

Examples based on our experiments on bianco carrara marble:

4 Steps (#200, #400, #800, #1500)	70GU
5 Steps (#200, #400, #800, #1500, #3000)	85GU
7 Steps (#100, #200, #400, #800, #1500, #3000, #6000)	100GU

Marble Flex Dia can also be used on floor polishers.

ART FLEX DIA

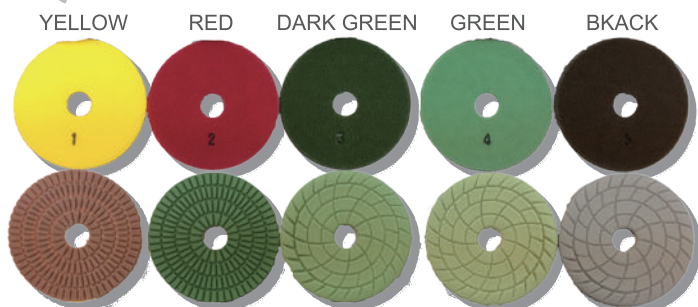


Size: 80 mm (3"), 100 mm (4")

Grit: #60, #100, #200, #400, #800, #1500, #3000, TSUYA, BUFF (WHITE), BUFF (BLACK)

This is a flexible diamond pad specially designed for Granite. It has long life and sharpness with keeping original shape.

QUARTZ FLEX DIA

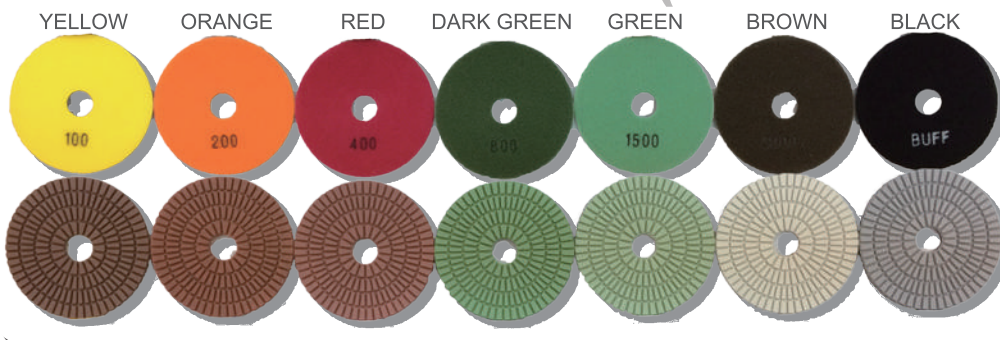


Size: 100 mm (4")

Type: #1, #2, #3, #4, #5

This is a 5 step flexible diamond pad developed specially for Quartz stone. The unique production method and original pattern make it easy to obtain gloss which the conventional diamond pad couldn't obtain.

SUPER FLASH (DRY and WET)



Size: 100 mm (4") Grit: #100, #200, #400, #800, #1500, #3000, Buff

This flexible diamond pad can be used in wet and dry. In dry, it can polish Granite . In wet, it can polish Terrazzo , Artificial Marble Stone and Quartz ceramic.

MAGICAL RUST REMOVER



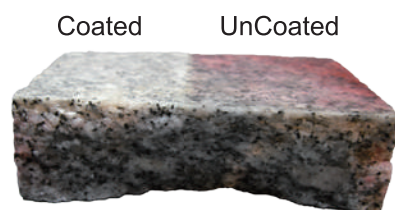
NET WT: 400g

This product is natural gentle, neutral rust remover made from natural origin. The rust attached on stones, tiles, and metallic product can be easily removed. After apply Magical Rust Remover, you can see the effect since the color changes to purple in response to rust. After 5minites, you can wash the stones in water and then the work is done.

STONE PROTECTIVE TREATMENT AD-COAT



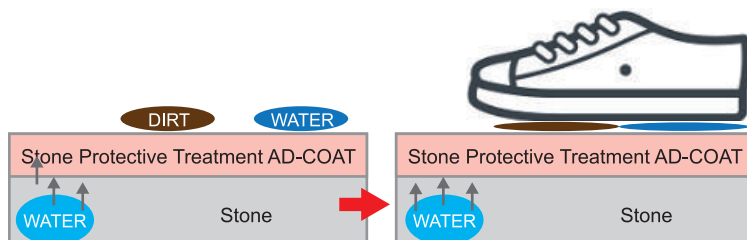
Coated UnCoated



Coated UnCoated

AD coat is not a product intending for surface waterproofing. It penetrates deep into the stone materials and decreases water absorption. Then it becomes possible to protect stone materials against absorbing water, discoloration by moisture from the backside, efflorescence, and dirt.

There are two kinds: AD-White - Granite
AD-Super - Marble



ABOUT US

TOUEI INC.

Founded in 1955, TOUEI Inc. is the one and only company in Japan specializing in tools and supplies for the stone industry.

We handle almost 15,000 items and we deal with more than 400 makers in Japan.

Our aim is to contribute towards the development of the stone industry by introducing quality items made in Japan that embody fine technologies.

You can see a catalogue of our items and other information such as how to use on our website.

We will be happy to receive your orders.

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