

ART FLEX DIA

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

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

Art Flex Dia is a series of polishing pad specially designed for granite.

Resin-bond synthetic diamonds are radially placed with enough number of grooves to drain water well and cause less clogging.

Usually, a sharp cutting pad has a shorter life, because it cuts well and uses up diamond resins fast, but Art Flex Dia uses unique resin-bond diamond recipe that achieve both durability and sharpness.



Founded in 1955, TOUEI KENZAI INDUSTRIAL is the one and only trading company in Japan, specializing in stone related tools and supplies.

We handle various products ranging from industrial tools such as diamond tools, stone polishers, to adhesives and chemicals for natural and engineered stones, and also to cemetery items such as stainless flower vases, incense stick holders, and candle holders.

We also develop original tools or items of our own, based on our knowledge and experience in this industry. Together with our affiliate companies KANSAI TRADING and FUQING VICTORY STONE responsible for manufacturing and sales of natural stone products, we work to become the best partner for all workmen and customers in the stone industry.

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PNEUMATIC WET POLISHER WATER SANDER WS-6 WATER SANDER WS-6S



TOUEI KENZAI INDUSTRIAL CO, LTD

PNEUMATIC WET POLISHER

WATER SANDER WS-6 WATER SANDER WS-6S (WITH SAFETY LEVER)

In 1968, we launched the first wet pneumatic polisher in the world called "Water Sander WS-5". Today, we have developed our new and updated air polisher "Water Sander WS-6" and "Water Sander WS-6S" with the latest technology representing Japan.

Water Sander WS-6 and WS-6S are easy to work with, and have more grinding power than you imagine. Compared with our previous Water Sander WS-5, grinding power increased by 50% and durability by 30%. We have also succeeded in reducing noise, especially noise at a high rotation speed.

Basic Specification

Speed: 5000 r. p. m.
Air Consumption: 460 L (16 CFM) / Min
Weight: approx. 1 kg
Output: 0.24 KW
Compressor: 3.76 KW (5.0 HP)
Noise: 84 DB

WS-6

REAR EXHAUST

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

WS-6S

SAFETY LEVER

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

SHAFT LOCK

Use this new feature to change your polishing pads by changing a backing pad; by doing so, polishing pads will rotate in a perfect circle, and damages to the machine will be reduced

SHAFT LOCK SYSTEM

Both Water Sander WS-6 and WS-6S adopt a shaft lock system for the first time in this industry, so that a user can attach and detach backing pads without using a wrench.



Depress the shaft lock



Unscrew backing pad



Release the shaft lock

Although polishing pads can be changed by traditional method, use of the shaft lock will protect the machine better eventually, because the shaft lock system will keep the drive shaft relatively tightly fixed straight. A polishing pad is often attached off-center, i.e. a little bit away from the spindle, and when such a pad is rotated fast and pressed against the stone surface, the drive shaft gets affected and damages a gear. Also, with the shaft lock system, there is no need to worry about the life of velcro on the backing pad.

POLISHING ACCESSORIES

Our resin-bond synthetic diamond polishing pads were invented and developed for use with our old pneumatic polisher Water Sander WS-5 and WS-6 and WS-6S inherit the legacies. They have been with us for more than half a century, and remain as one of top quality polishing pads in Japan.



MARBLE FLEX DIA

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

Marble Flex Dia is a durable and flexible synthetic diamond polishing pad specially designed to polish marbles. It is made with a unique technology and achieves to improve sharpness as well as durability. With Marble Flex Dia you can cut substantial amount of working hours and reduce production cost; depending on the quality required by a client, you can shortcut some steps during polishing.

Examples based on our experiments on bianco carrara marble:

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

Marble Flex Dia can be used on floor polishers too.



Both Water Sander WS-6 and WS-6S are designed and assembled by experienced engineers in Japan. All parts and assembled machines are tested for their durability, noise, and vibration, so that we can continue to provide superior quality products in a long run. No compromise is made with accessories either; for example, hoses are made of flexible and high-quality material to improve working conditions and efficiency of workmen who tend to move around the stone. Each machine has a serial number so that when a problem is reported, we can track and trace the machine and find out what went wrong.

However, please use the machine carefully, as instructed in the manual. The most popular cause is not lubricating the machine with mechanical oil after use and another popular cause is using polishing pads bigger than 100 mm (4"). So, (1) always lubricate the machine after use, and (2) do not use 125 mm (5") polishing pads on these machines.

