



Automatic Cleaning System DCS1441

Spin cleaning and drying for workpieces processed using dicing saws

Manual cleaning system with enhanced cleaning performance

The DCS1441 is the optimal solution for cleaning and drying workpieces processed using a semi-automatic dicing saw or other equipment.

High-pressure cleaning with a maximum discharge pressure of 11.8 Mpa and user-created cleaning sequences (settings for the cleaning arm swing speed and spinner rotation speed) offer the optimal cleaning operation for a wide range of workpieces.

In addition, the rinse cleaning, atomizing cleaning nozzle, and high performance atomizing nozzle specifications can be installed as an option. The DCS1441 can greatly reduce the number of processing particles on a wafer.

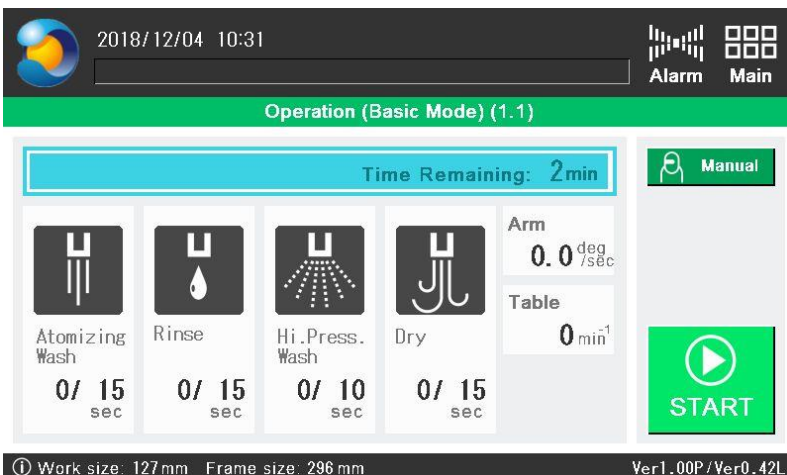


Supports a diverse range of workpieces

The DCS1441 supports ø5- to 8-inch tape and frame. The equipment also supports square workpieces up 250 x 250 mm as an option.

Easy operation

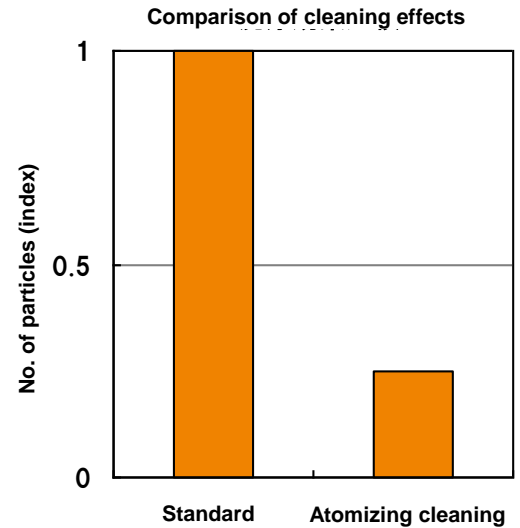
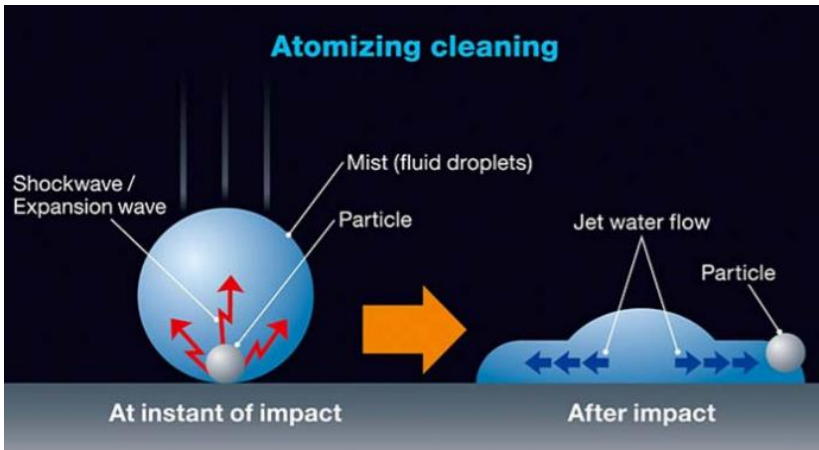
The cleaning sequence can be easily edited using the LCD touch panel. A simplified setting mode, which enables the cleaning operation to start after entering the workpiece size, table rotation speed, and cleaning time, can be selected.



Atomizing cleaning (option)

A unique atomizing cleaning nozzle is used for effective cleaning. Mist generated by the atomization of purified water with high-speed airflow allows processing particles to be removed efficiently.

In addition, DCS1441 offers the high-performance atomizing cleaning specification with a higher cleaning effectiveness.



Space saving

The space-saving design has a narrow width.

Specifications		
Specification	Unit	DCS1441
Max. workpiece size	-	ø8"
Max. frame size	-	2-8-1
Table rotation speed	min ⁻¹	100 – 3,000
Cleaning/drying time setting	s	0 - 999
Cleaning nozzle speed	°/s	1 – 37.5
Cleaning range	mm	ø355 (up to 250 mm square)
Cleaning pressure range	Mpa	2.3 – 11.8
Machine dimensions (W x D x H)	mm	400 x 600 x 1,380
Machine weight	kg	Approx. 130

Environmental conditions

- Use clean, oil-free air at a dew point of -15°C or less. (Residual oil: 0.1 ppm. Filtration rating: 0.01 μm / 99.5 % or more).
- Keep room temperature within ±1°C of the specified value. (Specified value should be between 20 – 25°C.)
- Machines should be used in an environment free from external vibration. Do not install machines near a ventilation opening, heat generating equipment, or oil mist generating parts.
- This machine uses water. Due to the risk of water leakage, please install the machine on a floor with sufficient waterproofing and drainage measures.

*All the pressures are described using gauge pressure.

*The above specifications may change due to technical modifications. Please confirm when placing your order.

*For further information please contact your local sales representatives.