



## Fully Automatic Polisher

# DFP8141

**CMP\* polisher designed to process hard-to-process materials such as sapphire and SiC**

\*CMP(Chemical Mechanical Polishing)

### Fully automatic operation

The DFP8141 is a fully automatic polisher which performs CMP processing from cassette to cassette. With the installation of a cleaning station, wafer cleaning and drying after processing are performed automatically.

### For small workpieces made of difficult-to-process materials

The DFP8141 supports CMP for materials such as sapphire, SiC, LT, and LN.



### A transfer system which supports three workpiece configurations

The transfer system accepts three workpiece configurations: single wafer transfer, substrate transfer, and frame transfer.

#### Workpiece Transfer Configurations



Single wafer transfer  
(Mounted on tape depending on wafer thickness)



Substrate transfer



Frame transfer

**Specifications**

Specification	Unit	DFP8141	
Wafer diameter	-	ø8"	
Polishing method	-	CMP	
Polishing wheel	mm	ø300 mm pad	
Spindle	Rated output	kW	7.5
	Revolution speed	min-1	500 – 2,000
Machine dimensions (W x D x H)	mm	900 x 2,584 x 2,000	
Machine weight	kg	3,100	

**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.)
- Keep grinding water 0 – 2°C above room temperature (fluctuations within 1°C over one hour).
- Keep spindle cooling water temperature between 20 and 25°C (fluctuations within 2°C over one hour).
- 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.