

# Dryer, UDG- $\alpha$ FL for Large-size Liquid Crystal Board

## <Model UDG- $\alpha$ FL>



This is developed especially for 7<sup>th</sup>/8<sup>th</sup>-generation large-size liquid crystal board. The room temperatures ultra dry air, water app.0.5ppm, is blown by the linear motor driven nozzle moving in left-and-right reciprocation, so that the liquid crystal board is dried up completely. Continuous drying is achieved in low cost, space saving and high-speed operation.

### UDG- $\alpha$ FL Features

#### ■ Complete drying

To secure complete homogeneous drain effect on the edges of liquid crystal board, separated from the drain nozzle, the swinging nozzle is equipped to move in left-and-right reciprocation.

#### ■ High-speed continuous drying

The transfer speed is 8m/min max, controllable by the swinging nozzle.

#### ■ Low running cost

No heat source is required. In addition the linear motor is only consumptive of a few 100W, which no actual influence on the total running cost.

#### ■ Saving installation space

For even a large-size 8<sup>th</sup> generation liquid crystal board, the equipment can be installed within the range of 1m of the total process line length.

#### ■ High performance

The UDG results in low cost for a high-performance machine, with a minimizing spare and maintenance parts. The unit recycling system minimizes repair bills.

#### ■ Easy maintenance

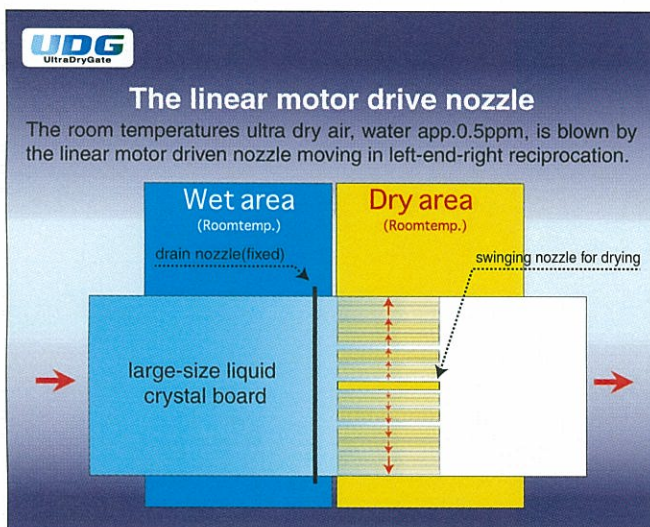
The UDG consists of component units for enhanced reliability, makes accessible instantly and easily for troubleshooting or routine inspection.

#### ■ Safety

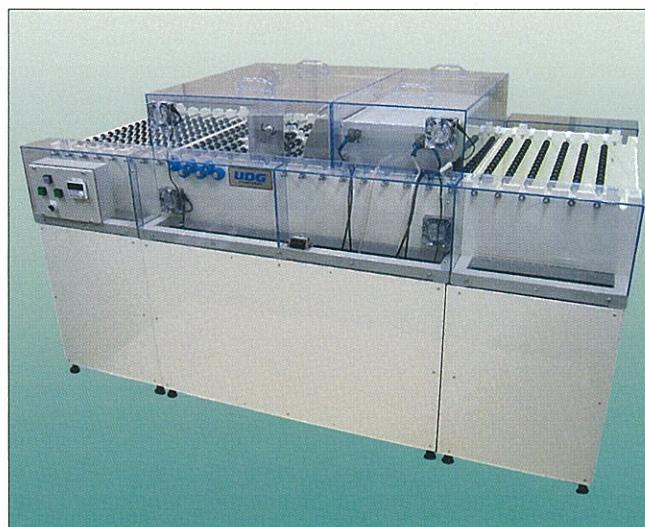
The heat-free drying processes remove the fires caused by ignition.

#### ■ Model UDG- $\alpha$ FL Standard Features

Type	$\alpha$ FL150	$\alpha$ FL200
Glass size	1500×2000	2000×2500
Dimensions	2000W×1000L×500H	2500W×1000L×500H
Glass traveling speed	Max8m/min	Max8m/min
Input power requirement	200 to 230V1kW or less	200 to 230V1kW or less
CDA	for drain nozzle	0.5Mpa 3Nm <sup>3</sup> /min
	for drying nozzle	0.5Mpa 3.6Nm <sup>3</sup> /min
Exhaust	Capacity matched to 6.6 Nm <sup>3</sup> /min	Capacity matched to 7.2 Nm <sup>3</sup> /min
Cycle time	15sec.	15sec.
Others	1. These specifications for UDG as an independent unit. 2. If UDG is incorporated into a cleaning machine, the specifications of the host machine will proceed. 3. Detailed specifications are subjects to as agreed.	



Flow Diagram



Exterior Views