



## DRY ICE MANUFACTURING SYSTEMS

# DS1000E



**DIRECT TO DRY ICE SLICE,  
NO STOPOVERS**

The DS1000E is an all-in-one system, producing and dosing dry ice slices without the need to combine a pelletizer and a dry ice reformer.

\*Conveyor belt and stand under the DS1000E are not included.

### FULLY ELECTRIC

Requires no hydraulic pressure to produce dry ice slices of optimum density.

### AUTOMATIC SLICE WEIGHT ADJUSTMENT VIA HMI SCREEN

Vary slice weight from 0.5 to 2.2 lbs (.25 to 1 kg).

### 4 SLICE PRESS HEADS

Providing optimal capacity.

### RECIPE PROGRAM

To predefine slice weight.

### SUB-COOLING TECHNOLOGY

Lowest LCO<sub>2</sub> conversion factor available (2.2 to 1).

### SERVO TECHNOLOGY

For fast and precise motion control.

### SLICE PRODUCTION RATE

Up to 2204.62 lb/hr (1000 kg/hr) of high quality dry ice slices

### DRY ICE SLICE

5 x 5 x .5 in (125 X 125 X 15 mm)  
to 5 x 5 x 2.3 in (125 X 125 X 60 mm)  
0.5 to 2.2 lbs (.25 to 1 kg)

### MACHINE DIMENSIONS

Length x Width x Height  
78.7 x 49.6 x (94.4-149.6\*) in  
2000 x 1260 x (2400-3800\*) mm  
Weight  
4016.82 lbs (1822 kg)  
\*depends on the production line

### POWER SUPPLY

400 - 480 V AC +PE, 50-60 Hz  
TN-S Earthing system / Solidly Grounded  
Wye. 3 Phase Neutral + GND wire

### RATED POWER

I<sub>max</sub>. 63 A

### AMBIENT TEMPERATURE

41 - 104 °F (5 - 40 °C)

### HMI Screen

15.6" display 1366 x 768, Display only, multi-finger touch screen

### NOISE LEVEL

Below 78 dB(A)

### LIQUID CO<sub>2</sub> PRESSURE

232 - 319 psi (16 - 22 bar variation +/- 0.5 bar)  
Flow Peak: 9700 lb/hr (4400 kg/hr)

### COMPRESSED AIR SUPPLY

Compressed air minimum 145 psi (10 bar) for connection line.

### AIR QUALITY

ISO 8573-1, Class 2 or lower.

### PIPE SYSTEMS

LCO<sub>2</sub>: 38 mm Stainless steel pipes with proper insulation. System with build in degassing valve (Armstrong).  
GCO<sub>2</sub>: 75 mm stainless steel pipes. Insulated heat exchanger.