



DRY ICE MANUFACTURING SYSTEMS

DS1000E

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



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

ALL-IN-ONE SYSTEM
PRODUCE & DOSE DRY ICE SLICES DIRECTLY INTO PACKAGING

FULLY AUTOMATIC

Requires no hydraulic pressure to produce dry ice slices.

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

To predefine slice weight.

SUB-COOLING TECHNOLOGY

Lowest LCO₂ conversion factor available (2.2 to 1).

SERVO TECHNOLOGY

For fast and precise motion control.

SLICE PRODUCTION RATE

Up to 2,204 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
74.5 x 52.5 x 95 in
(1890 x 1330 x 2410 mm)
Weight: 3968 lb (1800 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

Imax. 75 A

AMBIENT TEMPERATURE

41 - 104 °F (5 - 40 °C)

HMI SCREEN

15.6" display 1,366 x 768, Display only,
multi-finger touch screen

NOISE LEVEL

Below 75 dB(A)

LIQUID CO₂ PRESSURE

189 - 261 psi -22°F to -4°F
(13 - 18 bar -30°C to -20°C)
Flow Peak: 9,700 lb/hr (4400 kg/h)

FLOW RATE MINIMUM

4850 lb/hr (2200 kg/hr)

AIR QUALITY

ISO 8573-1, Class 2 or lower.

PIPE SYSTEMS

LCO₂: Line Size Recommended ID
1" (25 mm)
LCO₂: Connection at Pelletizer:
EU: 3/4-inch BSP / US: 3/4-inch NPT
LCO₂: Line Insulation:
Min 3" (75mm) Industrial Insulation -
Urethane Foam - PVC/Alu jacket)