



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)