



DRY ICE MANUFACTURING SYSTEMS

DS500E

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



**Stand under the DS500E
is 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).

2 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 1,102.31 lb/hr (500 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
52.5 x 52.5 x 95 in
1,330 x 1,330 x 2,410 mm
Weight: 2,888 lb (1310 kg)

POWER SUPPLY

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

RATED POWER

Imax. 40 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

13 – 18 bar –30 to –20 °C
189 – 261 psi –22 to –4 °F

FLOW RATE MINIMUM

2204 lbs/hr (1000 kg/hr)

AIR QUALITY

ISO 8573-1, Class 2 or better.

PIPE SYSTEMS

LCO₂ Line Size: 25 mm (0.98 in)
LCO₂ Connection: EU: 3/4 in BSP
US: 3/4 in NPT
LCO₂ Line Insulation: Min 75 mm (3.0 in)
Industrial Insulation (Urethane Foam –
PVC/Alu jacket).