



# DRY ICE MANUFACTURING SYSTEMS

## DS500E

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



*\*Stand under the DS500E  
is not included.*

### ALL-IN-ONE SYSTEM (PELLETIZER & REFORMER) PRODUCE & DOSE DRY ICE SLICES DIRECTLY INTO PACKAGING

#### FULLY AUTOMATIC

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).

#### 2 SLICE PRESS HEADS

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 2,204.62 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  
52.5 x 52.5 x 95 in  
1,330 x 1,330 x 2,410 mm  
Weight: 4,016.82 lb (1822 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 78 dB(A)

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

13 - 18 bar -30 to -20 °C  
189 - 261 psi -22 to -4 °F  
Flow Peak: 4,850 lb/hr (2,200 kg/h)

#### COMPRESSED AIR SUPPLY

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

#### AIR QUALITY

ISO 8573-1, Class 2 or better.

#### PIPE SYSTEMS

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