Integrated Cleaning Systems
Best-in-class dry ice cleaning systems fully automated with top of the line dry ice production units.

Cold Jet offers a line of fully Integrated Cleaning Systems. One example is the P325 and Aero 80FP. The fully automated P325 Pelletizer will produce on demand up to 300 lbs (136 kg) per hour of consistent, high density dry ice using liquid CO₂ and electric power. Dry ice from the P325 is produced directly into the Cold Jet Aero 80FP, equipped with our patented SureFlow System that is designed to ensure worry-free operation and uninterrupted pellet delivery.

With this Integrated Cleaning System, Cold Jet provides a cost effective system with superior cleaning performance and minimal space requirements.

**SYSTEM FEATURES**

- Best-in-class Aero Series cleaning system
- Up to 5 lbs (2.3 kg)/min dry ice feed rate
- Operational at up to 300 psig (20.7 bar)
- Blast hose(s) with aerodynamic fittings (up to 60 ft / 18 m)
- Patented Sureflow Pellet Delivery System
- Pelletizer with frame riser
- Pellet sizing & interconnect assembly

**WHY INTEGRATE?**

- Ability to integrate with robotic controls
- Superior cleaning performance
- Reduced labor and associated costs
- Reduced costs through on-demand dry ice production

**DIMENSIONS**

97 x 54 x 64.5 in
(245 x 137 x 164 cm)

**WEIGHT**

2,150 lbs (795 kg)

**LIQUID TO SOLID CO₂ RATIO**

Approximately 2.5:1 w/o recovery

**LIQUID CO₂ PRESSURE RANGE**

200 - 300 psi (14 - 20 bar)

**FEED RATE**

0-5 lbs/min (0-2.3 kg/min)

**BLAST PRESSURE RANGE**

20-300 psi (1.4-20.7 bar)
Integrated Systems combine and interface a Cold Jet Pelletizer with one or more Cold Jet blasting system and provide for continuous, uninterrupted, completely automated operations. Each Cold Jet Integrated System is custom engineered to meet specific customer requirements. Some examples of Cold Jet’s Integrated Cleaning Systems are shown below.

**Unique Features:**
- Ability to run multiple nozzle stations
- Fully automated - no interruption of work to fill machine with dry ice pellets
- Works with robots or manual blasting
- Ideal for integration with a production line
- Operating pressure up to 300 psi (20.7 bar)

### P325 AND AERO 80FP INTEGRATED SYSTEM

*Aero Series cleaning system fully automated with a Cold Jet dry ice production unit.*

- 136 kg/hr (300 lbs/hr)
- 3mm (1/8”) high density die standard (other sizes available)
- Up to 5 lbs (2.3 kg) min dry ice feed rate
- Optional manifold for connecting to vapor recovery system
- Operational at up to 300 psig (20.7 bar)
- Blast hose(s) with aerodynamic fittings (up to 60 ft/18 m)
- Tilt out hopper for unforeseen production stops

### E160 PELLETIZER AND AERO 80FP INTEGRATED SYSTEM

*Highly efficient dry ice extruder designed to make dry ice pellets and nuggets with minimal space requirements.*

- 160 kg/hr (352 lbs/hr)
- 3mm (1/8”) high density die standard (other sizes available)
- Up to 5.7 lbs (2.6 kg) min dry ice feed rate
- Compact footprint
- Fully automated start up and shut down
- Operational in less than three minutes
- Blast hose(s) with aerodynamic fittings (up to 60 ft/18 m)
- Tilt out hopper for unforeseen production stops

### COMBI 75 INTEGRATED SYSTEM

*Fully automated machine for dry ice production and dry ice blasting.*

- 75 kg/hr (165 lbs/hr)
- 3mm (1/8”) high density die standard (other sizes available)
- Optional integration in plant control units and automation processes
- Dry ice pellets available for blasting are always freshly produced
- Optional distribution system to facilitate the connection of several blasting applicators
- Dry ice is produced directly into the blasting unit (i.e. no time consumption for dry ice charging and no wasted dry ice)