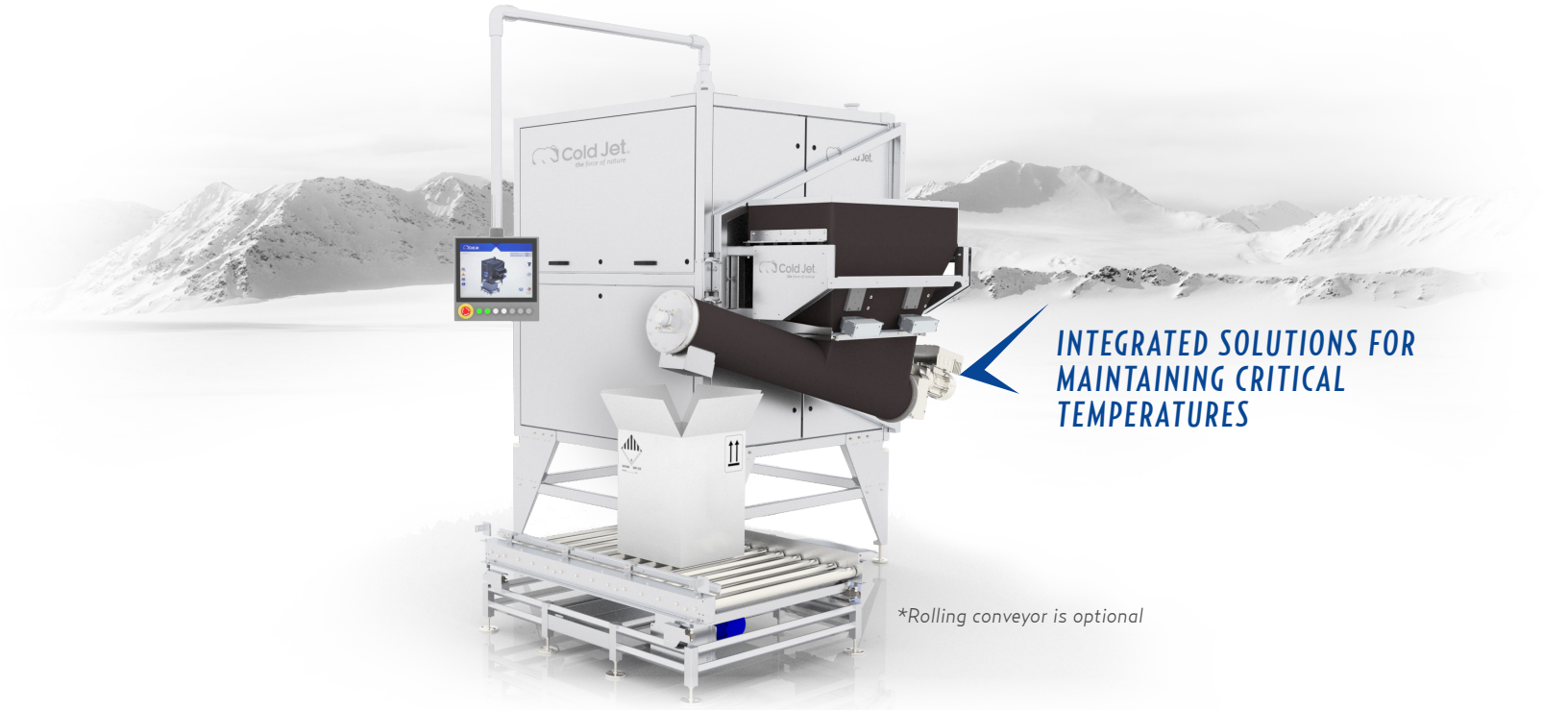
INTEGRATED DRY ICE DOSING SYSTEMS

PR350H & PR750H



INTEGRATED SOLUTIONS FOR MAINTAINING CRITICAL TEMPERATURES

*Rolling conveyor is optional

	OUTPUT	HOPPER CAPACITY	DOSING SPEED/MINUTE	MIN/MAX DOSE	DOSING ACCURACY	OUTPUT SIZE	UNIT DIMENSIONS (l x w x h)	FOOTPRINT	WEIGHT	RATED POWER	START-UP TIME	NOISE LEVEL
PR350H	772 lb/hr (350 kg/hr)	110 lb (50 kg)	37 lb (17 kg)	min 1 lb (0.5 kg) max 88 lb (40 kg)	+/- 7.5%	3, 6, 10, 16 mm dry ice pellets/ nuggets	2200 x 1700 x 2850 mm	12.27 sq. ft. (1.1 m^2)	4,170 lb (1,895 kg)	9.5 hp (7.0 kW)	< 3 Min	< 85 dB(A)
PR750H	1,653 lb/hr (750 kg/hr)	242 lb (110 kg)	81 lb (37 kg)	min 2 lb (1 kg) max 200 lb (90 kg)			2200 x 2175 x 2850 mm	15.75 sq. ft. (1.5 m^2)	4,635 lb (2,110 kg)	17 hp (12.5 kW)		

POWER SUPPLY

3 X 400 V AC + N + PE, 50Hz
TN-S Earthing system
Imax: 32A
Ipk: 10 kA
480 V AC Solidly Grounded Wye Source

Compliant with the EU Machinery Directive (CE) and UL Design Standards

HMI DISPLAY

15" Color Touch Screen

INLET LIQUID CO_2 PRESSURE

189 - 262 psi (13-18 bar)

COMPRESSED AIR SUPPLY

116 - 145 psi (8-10 bar)

AIR QUALITY

Class 3 - according to ISO 8573-1

BACK PRESSURE ON REVERT GAS

0-14.5 psi (0-1 bar)

EXHAUST GAS PIPE

Internal diameter: 2.5 in (63.5mm)

Cold Jet®
the force of nature

Learn more at coldjet.com

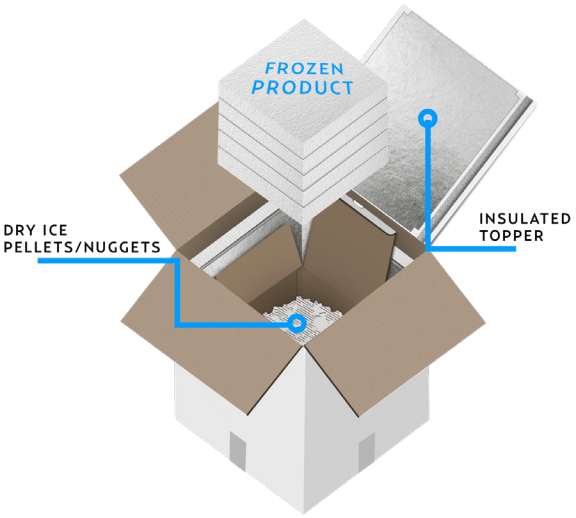
INTEGRATED DRY ICE DOSING SYSTEMS

CONFIDENTLY COLD

Ensuring each parcel is packed with the proper amount of dry ice to maintain subzero temperatures is critical for product viability and reduction of waste.

Dry ice is a proven cooling medium for 3PLs, vaccine distributors, airfreight logistics, and any other company in cold chain logistics.

Our integrated dry ice dosing systems provide the most accurate dosing, highest quality dry ice nuggets/pellets, easiest operation, and greatest versatility for any company requiring reliable transportation of cold or frozen products.



INTEGRATED DRY ICE DOSING SOLUTIONS FOR MAINTAINING CRITICAL TEMPERATURES

VACCINE DISTRIBUTION

LIFE SCIENCE LOGISTICS

AIRFREIGHT LOGISTICS

3PLS (THIRD PARTY LOGISTICS)

FOOD PROCESSING

FOOD HOME DELIVERY

INTEGRATED DOSING IN 3 STEPS



1. PROGRAM AMOUNT OF DRY ICE:

Using HMI screen, program the amount of dry ice per parcel



2. PARCELS LOADED WITH DRY ICE:

AUTOMATED:

The parcels are positioned on a scale to validate accurate dosing

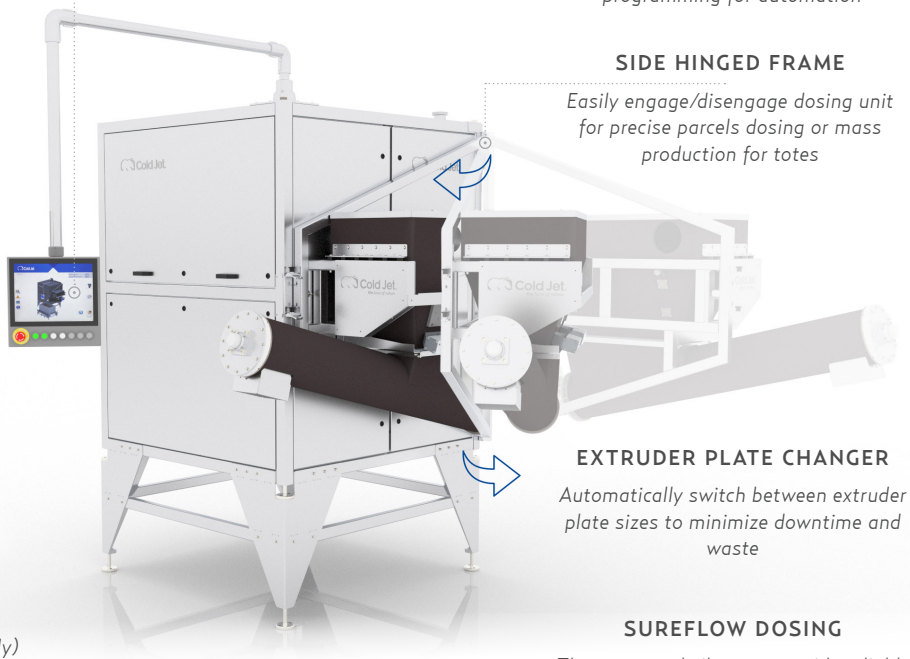
MANUAL:

Operators can engage dosing by the push of a button or foot pedal



3. NEXT PARCEL IN QUEUE

Parcels can be automatically (or manually) shuttled down the line to the next process



BECKHOFF INDUSTRIAL HMI

Intuitive control system offering permission based accessibility and programming for automation

SIDE HINGED FRAME

Easily engage/disengage dosing unit for precise parcels dosing or mass production for totes

EXTRUDER PLATE CHANGER

Automatically switch between extruder plate sizes to minimize downtime and waste

SUREFLOW DOSING

Thumpers and vibrators provide reliable dosing and clog-free operation

Cold Jet®
the force of nature

Learn more at coldjet.com