

# Pelletizer



High Quality Dry Ice On Tap  
*-make as much dry ice as you need,  
when you need it.*

The unique PE80 pelletizer from Triventek with its patented system for producing top quality dry-ice pellets is truly affordable convenience.

TRIVENTEK

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## The PE80 Pelletiser from Triventek

This revolutionary new equipment from Triventek sets new standards for producing dry ice. It makes using dry ice easy. You can have high quality dry ice when you want it, at the turn of a switch. This is dry ice 'on tap'.

It has always been difficult to precisely forecast how much dry ice you are going to need for chilling or cleaning operations. You tend to over-order dry ice from a centralised factory 'just in case'. If you under-order, you may run out and not be able to ship or process valuable, temperature-sensitive goods on time; you may have to return to a cleaning job, at extra expense and inconvenience.

All that over-ordered dry ice often just sublimates away, wasting time, money, and needlessly increasing your carbon footprint.

Dry ice's main logistical problem is: you can't store it. But you can store liquid carbon dioxide (LCO<sub>2</sub>) in a suitable vessel. This gives you a 'buffer' of potential dry ice ready to be produced when you need it.

No more last-minute panic ordering of dry ice from an inflexible supply infrastructure.

There are pure economic benefits too. Delivering LCO<sub>2</sub> infrequently is cheaper than delivering dry ice highly frequently. Lower cost LCO<sub>2</sub> can also mean useful savings on the unit cost of dry ice.

The Pelletiser takes LCO<sub>2</sub> and brings it up to near-atmospheric pressure and turns it into a mixture of gas and solid in the form of 'snow'. The solid is compressed in triple chambers and extruded to produce hard pellets or nuggets in any size from 1.7mm to 16mm diameter.

Site-produced dry ice will always be fresher, and so more effective, than dry ice produced at a centralised factory, sometimes days in advance, and shipped to you.

Dry ice nuggets can be bagged to mimic the handling characteristics of solid, with the advantage of better packing around the product, at a surprisingly small sublimation cost.

PE80 Pelletisers can be integrated to feed directly into packing lines or into a dry ice blast cleaning stations for automated operations. Movements of dry ice through the site are thus eliminated.

The PE80 can be upgraded by the addition of the patented Triventek RE80 Recovery Unit, which captures and recycles revert gas to practically halve the cost of dry ice.

With its ground-breaking low capital cost, the PE80 makes the use of dry ice easy and affordable for even the lower volume user.



**New technology  
-increased profitability!**



Fabriksvej 1  
5466 Asperup  
Denmark

Phone: +45 70 22 12 92  
Fax: +45 70 22 12 93  
E-mail: [sales@triventek.com](mailto:sales@triventek.com)