

What do you need for the production of dry ice?



Storage tank for liquid CO ₂	Dry ice pelletiser		Dry ice container	
<p>You need to have a supply source of liquid CO₂. Depending on the production quantities, tanks of 2.000 litres up to 50.000 litres are installed.</p> <p>For 1 kg dry ice, you need 2,35 kg of liquid CO₂. Tanks are installed and rented by a gas company.</p> <p>In some cases it might be more convenient to place a mobile tank container.</p> <p>CO₂ suppliers that are active in most countries are: Nippon Gas, Air Liquid, Linde, Air Products.</p>	<p>CRYONOMIC® offers 4 types of dry ice machines.</p> <p>All pelletisers can produce 3mm pellets for cleaning and 10mm (or 16mm) sticks for cooling.</p>		<p>CRYONOMIC® offers 4 sizes of isolated containers.</p> <p>For transport and storage of dry ice for several days (pellets) and several weeks (sticks).</p>	
	Pelletiser type	Production capacity of dry ice	Container type	Dry ice storage capacity
	CIP-5XS	35 kg/h (80 lbs/h)	CIC70	55 kg (120 lbs)
	CIP-5S	100 kg/h (220 lbs/h)	CIC151	125 kg (275 lbs)
	CIP-5M	180 kg/h (400 lbs/h)	CIC370	300 kg (660 lbs)
	CIP-5L	300 kg/h (660 lbs/h)	CIC550	440 kg (970 lbs)

To calculate the production cost of dry ice per kg (lbs), you can make a good estimate with the following price components explained below:

- price of the liquid CO₂ (typically 0.1 to 0.3 EUR/kg) x 2,35
- monthly rental price of liquid CO₂ tank / production quantity per month (typically 250-500 EUR/month)
- Price of pelletiser + optional dry ice containers / depreciation period in years / 12 / production quantity per month (please contact CRYONOMIC for prices)