

# COB Series Dry Ice Blasters



## Maximal performance with minimal air consumption!

The CRYONOMIC® COB series is a single hose dry ice blaster.

Its new and unique concept results in:

- low air consumption
- powerful cleaning performance
- ergonomic design – light & easy manipulation
- best price/performance ratio on the market

An ultra light, easy-to-handle gun, the MG 1004, has been designed specially for this series.

The COB series complete the CRYONOMIC® range of blasting equipment.

Specific application areas are:

- high performance cleaning with low air consumption
- focalised cleaning

CRYONOMIC® blasting machines are used worldwide and have been running successfully since 1992.



COB 62



COB 71



**CRYONOMIC®**  
DRY ICE CLEANING SOLUTIONS

## Unique characteristics of COB series



COB 62

The COB series consists of 4 types of robust single hose blasters: the compact COB 62 and COB 62plus blasters and the larger COB 71 and COB 71R blasters.

The COB series dry ice blasters are standard delivered with:

- Ergonomic blast gun MG1004
- Hose set consisting of:
  - heavy duty blast hose with quick coupling and stainless steel earthing
  - one control cable (for start/stop and gun light!)
  - protecting sleeve
- Dry ice or air-only blasting option
- Hour counter
- Safe soft start
- Start safety protocol



Intuitive control panel:

- Emergency stop and ON/OFF buttons
- Robust single touch control buttons :
  - dry ice feed rate: LED-indicated (COB 62(plus)) or digital indication (COB 71(R))
  - gun light: 0-5-10 LEDs
  - abrasive module selector (LED-indicated) on COB 62plus and COB 71(R)
- Blast pressure regulator and manometer
- Remote control activator on COB 71R



COB 71R

Fast and easy connections:

- Quick coupling for blasthose
- One multifunctional control cable to gun
- Power cable
- Connection for optional earth cable
- Compressed air inlet
- Connection for Abrasive Module on COB 62plus and COB 71(R)



Ergonomic, safe and lightweight MG1004 gun:

- Quick-fit nozzles changed within seconds: no tools required
- Nozzles can be turned in any desired position during operation
- Equipped to plug-in the CRYONOMIC® gun light
- Integrated safety catch: avoids undesired blast activation (legally imposed for CE)
- The control cable plugs directly into the gun! No more annoying dangling connectors at the gun
- Ergonomic shockproof thermoplastic handle



The CRYONOMIC® gun light:

- Clear white spot on the object
- Plug-in gun light (no additional cable)
- Adjustable intensity: to avoid surface reflection
- Allows fast nozzle switching: without gun light removal
- Integrated protective slide keeps the gun light connector clean and protected

# Nozzles and accessories for COB series

## Variety of CRYONOMIC® NT- nozzles:

- High performance nozzles for any circumstances
- Changed within second, no tools required
- Models : round, flat, angled, custom made
- Length : from 55 mm up to 1 m and more
- Available in stainless steel, aluminium or thermoplastic
- Special low air consumption nozzles (< 1m<sup>3</sup>/min up to 4 bar)

## Compact CRYONOMIC® 'All-in-one' nozzle and accessory box :

- Contains:
  - commonly used round, flat and angled nozzles
  - dry ice crusher, gun light
- Empty space to store blastgun, second crusher and electrical cabinet key
- Optional spare parts set

## Pellet crusher:

- Crushes dry ice pellets for cleaning delicate surfaces and objects
- Easy to mount at machine and/or gun (in a matter of seconds with quick coupling)
- Nozzle-independent :
  - can be used with every nozzle
  - nozzle does not have to be exchanged or removed

## Electrically isolated blastgun MG1003:

- To clean live (low- to mid-voltage) equipment
- Full plastic isolated blastgun for applications where non-conductive tooling is a safety requirement

## The Abrasive Module:

- Combines benefits of dry ice and abrasive blasting
- Allows to mix a controlled quantity of abrasive granulate in the dry ice flow
- Ecological : reduces significantly the abrasive granulate requirements compared to conventional abrasive blasting (less secondary waste, less clean-up)

## The system consists of:

- a stainless steel module easily mountable at the front of the machine
- additional abrasive granulate hose
- a special abrasion resistant nozzle for standard gun

## Some applications:

- rust removal, paint stripping,...
- stubborn material removal
- surface roughening before painting,coating,...

We can offer different kinds of abrasive granulate going from fine to rough depending on the required abrasive effect (from 0,1 mm to 2 mm).



COB 62plus with Abrasive Module

A patented CRYONOMIC® technology has been integrated, resulting in unequalled performances with limited air consumption. This technology has following advantages:

- the unique self regulating CRYONOMIC® Airlock system, limiting wear out and maintenance (no oil required/one sealer disc)
- constant and regular dry ice flow

We paid special attention to safety, operator ergonomics and ease of manipulation. The unit is very economical in use and produces excellent results even in the most challenging circumstances.

The CRYONOMIC® dry ice blasters all meet the new EC machine directive 2006/42/EC, as well as 2006/95/EC and 2004/108/EC.

### Characteristics of the COB series

	COB 62	COB 62plus	COB 71	COB 71R
Chassis	<ul style="list-style-type: none"> <li>• 2 fixed wheels, 2 pivoting wheels</li> <li>• Push handle and hose support</li> </ul>		<ul style="list-style-type: none"> <li>• 2 large wheels, 2 pivoting wheels</li> <li>• Foldable push handle and hose support</li> <li>• Lifting eyelets and forklift handling slot</li> </ul>	
Standard delivered with	<ul style="list-style-type: none"> <li>• 5 m hose set • gun • round nozzle</li> <li>• 5 m power cord • manual • CE certificate</li> </ul>		<ul style="list-style-type: none"> <li>• 5 m hose set • gun • round nozzle</li> <li>• 5 m power cord • manual • CE certificate</li> </ul>	
Dimension (LxWxH) in mm	• 380 x 570 x 890 (incl. fixed handle)		• 665 x 570 x 876 (push handle folded down)	
Weight	• 66 kg	• 68 kg	• 90 kg	• 95 kg
Hopper	<ul style="list-style-type: none"> <li>• 14 kg dry ice capacity</li> <li>• Isolated hopper easily removable</li> </ul>		<ul style="list-style-type: none"> <li>• 30 kg dry ice capacity</li> <li>• Isolated hopper easily removable</li> <li>• Advanced pneumatic hopper agitation</li> </ul>	
Pellet consumption	<ul style="list-style-type: none"> <li>• Adjustable 20 - 80 kg/h</li> <li>• Blasting without dry ice possible</li> </ul>		<ul style="list-style-type: none"> <li>• Adjustable and displayed: 25 - 100 kg/h</li> <li>• Blasting without dry ice possible</li> <li>• Start-up value programmable</li> </ul>	
Blast pressure	• 1 - 7 bar	• 1 - 10 bar	• 1 - 12 bar	• 1 - 12 bar
Remote control	• No	• No	• No	• Yes
Air consumption	• 0,5 - 4 m <sup>3</sup> /min for 1-7 bar	• 0,5 - 5,5 m <sup>3</sup> /min for 1 - 10 bar	• 0,5-6,5 m <sup>3</sup> /min for 1-12 bar	• 0,5-6,5 m <sup>3</sup> /min for 1-12 bar
Supply pressure	• 1 - 16 bar dried air • connection 3/4" BSP		• 1 - 16 bar dried air • connection 1" BSP	
Mains/power consumption	• 220 - 240 V, 50 - 60 Hz, 650 W		• 220 - 240 V, 50-60 Hz, 650 W	
Hardware & software features	<ul style="list-style-type: none"> <li>• Self diagnosis on start-up</li> <li>• Hour counter</li> <li>• Visual error indication</li> </ul>		<ul style="list-style-type: none"> <li>• Self diagnosis on start-up</li> <li>• Hour counter</li> <li>• Acoustic and visual error indication</li> </ul>	
Pre-equipped for gunlight	• Yes	• Yes	• Yes	• Yes
Pre-equipped for blasting dry ice with abrasives	• No	• Yes	• Yes	• Yes
Options	<ul style="list-style-type: none"> <li>• Alternative pellet rotors of 7 - 28 kg/h and 10 - 40 kg/h</li> <li>• Transformer 110 V / 50 - 60 Hz</li> <li>• Robot guns for automation projects</li> </ul>		<ul style="list-style-type: none"> <li>• Alternative pellet rotors of 8 - 35 kg/h, 10 - 40 kg/h and 33 - 130 kg/h</li> <li>• Transformer 110 V / 50 - 60 Hz</li> <li>• Robot guns for automation projects</li> </ul>	

CRYONOMIC® has a worldwide network.  
Contact your dealer for any information:

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**CRYONOMIC®**  
DRY ICE CLEANING SOLUTIONS

CRYONOMIC  
Kleimoer 3 - B-9030 Gent - Belgium  
Tel: +32 9 216 76 90 - Fax: +32 9 216 76 91  
info@cryonomic.com  
www.cryonomic.com

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