Product Catalogue

ICE TECH

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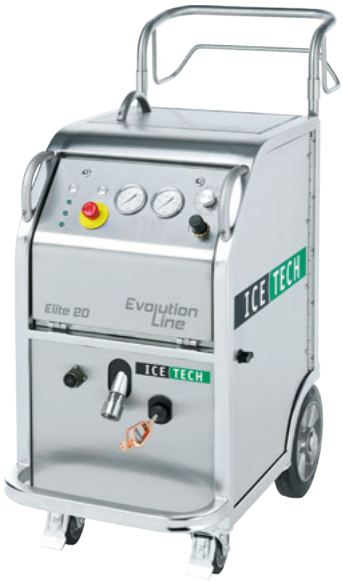
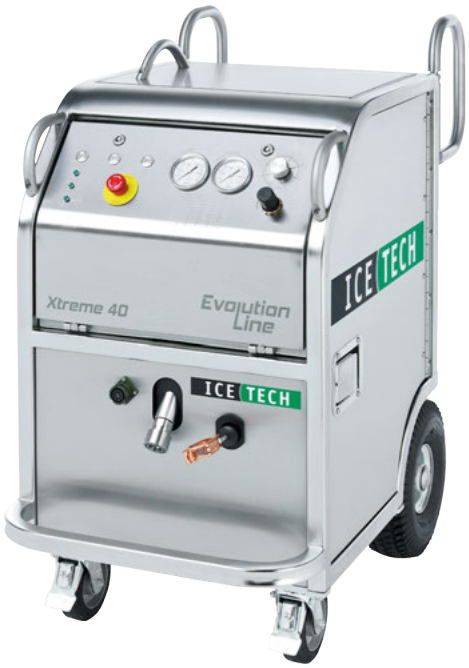
Evolution Line

Increase Productivity with Dry Ice Cleaning

Elite 20



Xtreme 40



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The Art of Performance in Dry Ice Technology

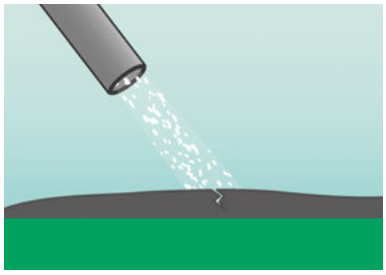
What is dry ice cleaning?

Dry ice cleaning, also known as dry ice blasting, is a revolutionary cleaning method that use dry ice pellets (CO_2 in solid form) as a blasting media. The result is a completely dry, non-abrasive cleaning method with no secondary waste. Dry ice is a food grade media.

Dry Ice Cleaning is a 3-step-process.

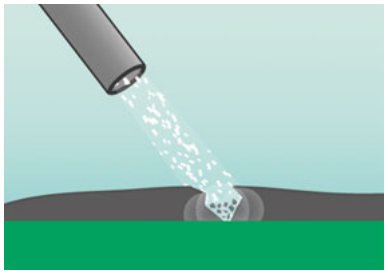
1. Kinetic Effect

Dry ice pellets are accelerated by compressed air to high velocities, thus impacting the layer and provoking fractures.



2. Thermal Effect

The low temperature (-79° C / -110° F) causes the coating to become brittle, crack and loosen. This allows dry ice to permeate the coating.



3. Sublimation

The dry ice turns from solid into gaseous form (sublimates), expanding its volume by a factor of 700. The expansion lifts the coating off the surface.

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SAVE MONEY

- Lowest cost of ownership
- LEAN cleaning solution
- Low maintenance costs

IMPROVE QUALITY

- Non-abrasive cleaning
- Reduce scrap
- Reduce wear and tear

REDUCE DOWNTIME

- Increase production time
- Clean online at operating temperature
- Clean without dismantling

MORE FLEXIBILITY

- Infinitely adjustable blasting parameters
- Completely dry cleaning process
- Clean without secondary waste

An Environmentally Responsible Solution.

Dry ice cleaning is a green substitute for environmentally harmful methods, such as chemicals and solvents. Dry ice provides the perfect, environmentally responsible cleaning media. While materials such as sand, water, etc. become contaminated when they come into contact with hazardous material, dry ice is eco-friendly because it turns into a gas upon contact, and therefore cannot become contaminated like other blasting media.

"The Art of Performance"

With an ergonomic design and simple operation, the Evolution Line provides an efficient and effective cleaning solution that is superior to other methods. Its operational versatility makes it suitable for both lighter applications and heavy duty cleaning.

IceTech – Your partner in Dry Ice Technology

- Global experts in dry ice technology
- Manufacturer with an end user perspective
- Proven quality from Denmark
- 24/7 worldwide technical support

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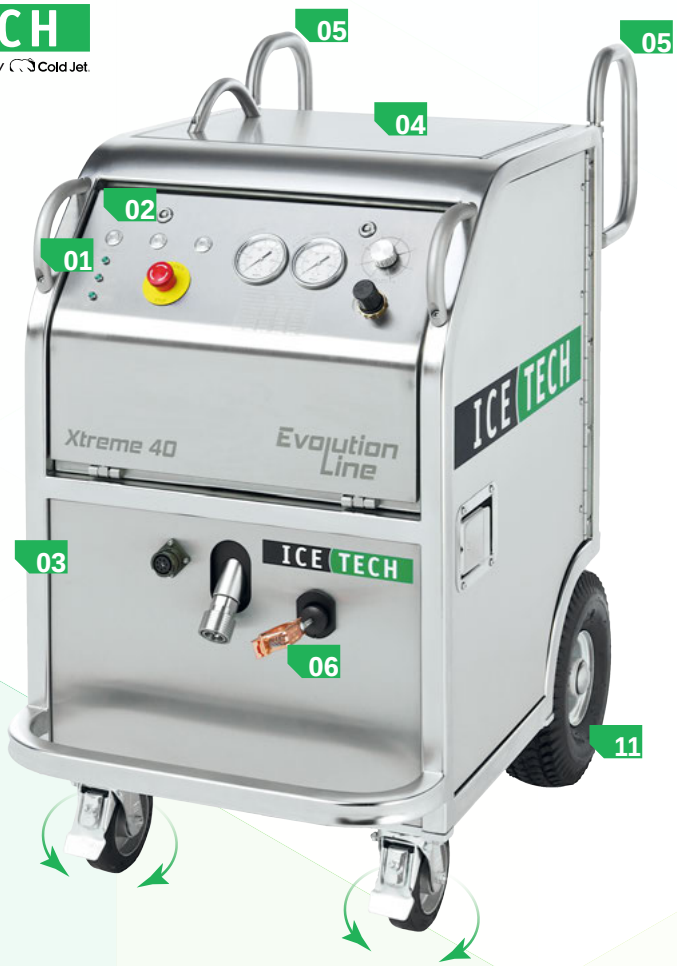
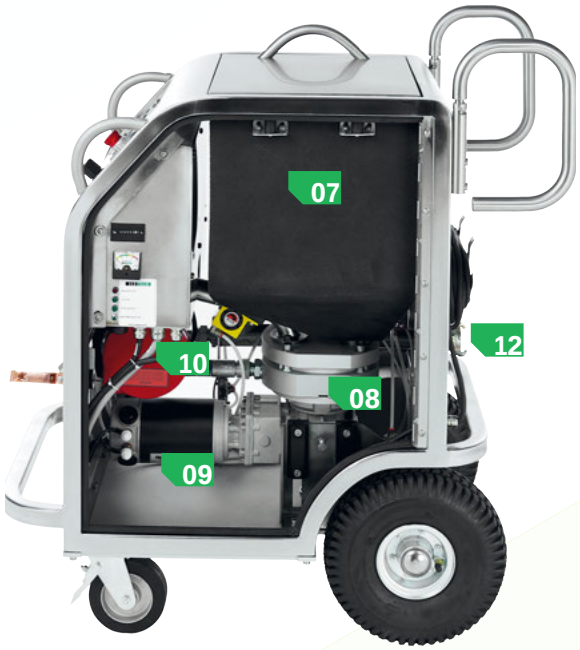
Elite 20

Xtreme 40





Evolution Line

Control panel with LED Notification

User-friendly panel with tamper-proof switches and monitoring on front for air and dry ice flow.

01

Hopper lid

Opens from the side, giving easy access to the hopper for filling with dry ice.

04

Insulated dry ice hopper

Helps eliminate clumping of the dry ice.

07

Pneumatic vibrator

Ensures continuous pellet flow.

10

Empty hopper function

Easily empties the remaining dry ice from the hopper (only in Xtreme 40).

02

Ergonomic, collapsible handles

For easy transportation and hose storage.

05

New, quick change dosing disc

Easier access and faster replacement, provides low maintenance costs and reduces downtime.

08

Wheels

Enhanced transportability; 'Terrain' style wheels suitable for any environment (Xtreme 40 only)
'Slick' full rubber wheels for level production floors (Elite 20 only).

11

Stainless steel body

High-strength, scratch-resistant machine with bumper to protect the front face of the machine.

03

Extra grounding cable

Prevents static build up.

06

New 24 V, strong DC motor

Powerful motor to obtain better efficiency, independent of the power source.

09

Pressure release valve

Easy and safe purging of air after blasting.

12

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TECHNICAL DATA

Elite 20 ¾"	TECHNICAL DATA:	Xtreme 40 ¾"
739.7 / 29 450 / 17.7 1080 / 42.5	***Dimensions mm/inch:*** Length: Width: Height incl. handle:	795 / 31.3 534 / 21 990 / 38.9
104 / 230	***Weight:*** kg: / lbs:	117 / 257
20 / 0.71	***Dry Ice Capacity:*** liter: / ft^3:	40 / 1.41
30 - 100 1.1 - 3.7	***Dry Ice Consumption:*** kg/hr: lbs/min:	30 - 100 1.1 - 3.7
min 5 - max 16 min 72 - max 232	***Supply Pressure:*** bar: psi:	min 5 - max 16 min 72 - max 232
min 2 - max 16 min 29 - max 232	***Blasting Pressure:*** bar: psi:	min 2 - max 16 min 29 - max 232
0.7 - 10 25 - 353	***Air Consumption:*** Nm^3/min: cfm: (depending on nozzle combination)	0.7 - 10 25 - 353
1" claw coupling	***Compressed Air Connection:***	1" claw coupling (optional 1.5" claw coupling)
According to ISO 8573-1 Class 3 for environment temperature below + 5°C.	***Air Quality:***	According to ISO 8573-1 Class 3 for environment temperature below + 5°C.
500 W, 100V - 240V AC 50/60 Hz + PE (GND)	***Power Consumption:***	500 W, 100V - 240V AC 50/60 Hz + PE (GND)
¾" Single Hose System	***Blasting Hose:***	¾" Single Hose System
Noise level up to 120 dB(A). Depending on blasting pressure, nozzle combination and material surface	***Noise:***	Noise level up to 120 dB(A). Depending on blasting pressure, nozzle combination and material surface
Collapsible handles	***Features:***	Empty hopper function; collapsible handles

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