Cold Jet
the force of nature

ICE TECH Evolution Line

Elite 20



Review

Evolve the way you clean your equipment with the world's first multi-power dry ice blasting machine! The Elite 20 contains a 24 volts DC motor that utilizes a higher torque to eliminate freeze ups. From the complete control over ice and air consumption to the worry free troubleshooting, the Elite 20 provides a dry ice blasting experience that is divergent in the industry.

Technical Data

Dimensions mm/inch:
Length: 739.7 / 29
Width: 450 / 17.7
Height Incl. handle: 1080 / 42.5

Weight:
Kg: 104 / lbs: 230

Dry Ice Capacity:
Kg: 20 / lbs: 44.1

Dry Ice Consumption:
kg/hr: 30 - 100
lbs/min: 1.1 - 3.7

Supply Pressure:
bar: min 5 - max 16
psi: min 72 - max 232

Blasting Pressure:
bar: min 2 - max 16
psi: min 29 - max 232

Air consumption:
Nm³/min: 0.7 - 10
cfm: 25 - 353
(depending on nozzle combination)

Compressed Air Connection:
1" claw coupling

Air Quality:
According to ISO8573-1 Class 3 for environment temperature below +5°C / 41°F

Power Connection:
500 W. 100V - 240V AC 50/60 Hz + PE (GND)

Blasting Hose:
¾" Single Hose System

Unique Features:

- Stainless steel body
- Contains a 24 volt DC motor
- User friendly control panel
- Insulated dry ice hopper
- 360° mobility
- "Slick"rubber wheels for leveled production floors
- Collapsible handles with integrated blasting hose hanger

Applicator

Blasting applicator with light provides better performance



IT3 Box of Nozzles

IT3 Box of Nozzles includes commonly used types of nozzlesfor a variety of applications.



3/4" Blasting hose

10m / 32ft of 3/4" blastinh hose, made of abrasion resistant, synthetic rubber.



Air Supply Hose

10m / 32 ft Air Supply Hose 1" abrasion-resistant and long lasting compressed air hose.



Flat Nozzles

Cleaning with flat nozzles is faster and reduces downtime.



Extension Bends

For hard to reach places, use Extension Bends (45° or 90°)



Combo Nozzle

When you clean molds and the hot surface requies less dry ice impact, you can use COMBO nozzle.



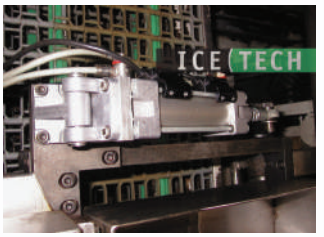
Ice Splitter

You can achieve delicate cleaning in tight spaces with the Inline Splitter.



ICE TECH powered by Cold Jet

Applications

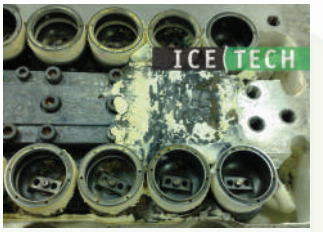
Food & Packaging




Automotive




Electric Board

Plastic & Rubber




Printing



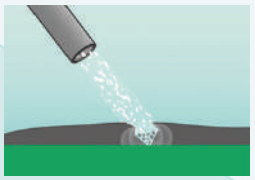

Foundry

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.

Compare Dry Ice Blasting To Other Cleaning Methods

Cleaning Technique	Waste of Disposal	Abrasive	Toxic	Electrically Conductive	Performance Comparison
Dry Ice Blasting	No	No	No	No	Excellent
Sand Blasting	Yes	Yes	No*	No	Good
Glass Blasting	Yes	Yes	No*	No	Good
Steam	No	No	No	Yes	Poor
Solvents / Chemical	Yes	No	Yes	Yes	Limited
Water Jet	Yes	Possible	No	Yes	OK
Power Tools	No	Yes	No	N/A	Limited
Hand Tools	No	Yes	No	N/A	Limited

REFERENCES

Join industry leaders already benefiting from Cold Jet dry ice blast cleaning systems.

Ford · MAGNA · BMW · VOLVO · COLAS · BRIDGESTONE PASSION for EXCELLENCE · Continental · AIRBUS · ABB · FERRERO ROCHER · KRAFT · Carlsberg · nutella · LANGGUTH · LEGO · AIR FRANCE · SCANIA · PSA PEUGEOT CITROËN