

**ICS** dry ice  
cleaning  
systems ®  
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# CATALOGUE

DRY ICE BLASTING MACHINES / DRY ICE PRODUCTION MACHINES /  
ACCESSORIES / ADDITIONAL EQUIPMENT

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## BASIC RANGE

### IC 022 EVO



The pneumatically powered double-hose dry ice blasting machine with patented feeding system, very low air consumption, low weight, blast pressure regulation, compact fiberglass body with stainless steel chassis, accepts both 1.5 mm/3 mm dry ice pellets.

**Package Contents:** 3 m Blast hose, Blast gun IG-22 with LED light, Round nozzle RN-20-08-000, Flat nozzle FN-20-10-200, Adapter NA-20-10-001, 10 m Airhose, Protective equipment kit, Ice shovel (1 kg Capacity).

Order no.: IC-022-EVO

### IC 022 EVO PLUS



The pneumatically powered double-hose dry ice blasting machine with patented feeding system, very low air consumption, low weight, blast pressure regulation, compact fiberglass body with stainless steel chassis, accepts both 1.5 mm/3 mm dry ice pellets.

**Package Contents:** 3 m Blast hose, Blast gun IG-22 with LED light, Round nozzle RN-20-08-000, Flat nozzle FN-20-10-200, Adapter NA-20-10-001, 10 m Airhose, Protective equipment kit, Ice shovel (1 kg Capacity).

**Plus Accessories:** Trolley, Ice box

Order no.: IC-022-EVO-PLUS

### IC 030



A single-hose electric device with an integrated new feeding system that prevents clogging of the hopper neck and ensures smooth running. Integrated automatic scrambler allows change of the granulate size. IC 030 blasting machine is made with stainless steel construction.

**Package Contents:** 4 m Blast hose, Blast gun IG-30 with LED light, Round nozzle RN-13-05-000, Flat nozzle FN-34-10-200, Special nozzles RN-11-45-000, RN-11-90-000, 10 m Airhose, Protective equipment kit, Ice shovel (1 kg Capacity).

Order no.: IC-030

## PROFESSIONAL RANGE



### IC 110 E 1-10 bar/max.

The electrically powered dry ice blasting machine, patented feeding system, high cleaning performance, dry ice consumption regulation, blast pressure regulation, 17 kg dry ice hopper, stainless steel body.

**Package Contents:** 5 m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-06.

Order no.: IC-110-E



### IC 110 E PLUS 1-10 bar/max.

The electrically powered dry ice blasting machine with patented feeding system, high cleaning performance, dry ice consumption regulation, blast pressure regulation. 17 kg dry ice hopper, stainless steel body.

**Package Contents:** 5 m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-06.

**Plus Accessories:** Flat nozzle FN-10-04-000, LED light for gun IG-10-02-000, 10 m Compressed air hose 3/4", Ice shovel (2 kg Capacity).

Order no.: IC-110-E-PLUS



### IC 310 1-16 bar/max.

The electrically powered dry ice blasting machine with patented feeding system, superior cleaning performance, dry ice consumption regulation, blast pressure regulation, 13 kg dry ice hopper, stainless steel body and frame.

**Package Contents:** 7 m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-08.

Order no.: IC-310

## PROFESSIONAL RANGE



### IC 310 PLUS 1-16 bar/max.

The electrically powered dry ice blasting machine, with patented feeding system, superior cleaning performance, dry ice consumption regulation, blast pressure regulation, 13 kg dry ice hopper, stainless steel body and frame.

**Package Contents:** 7 m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-08.

**Plus Accessories:** Flex Case II. PLUS, LED light for gun IG-10-02-000, 10 m Compressed air hose 3/4", Ice shovel (2 kg Capacity).

Order no.: IC-310-PLUS



### IC 310 S (Dry ice mill built-in) 1-16 bar/max.

The electrically powered dry ice blasting machine with patented feeding system, integrated dry ice mill, superior cleaning performance, dry ice consumption regulation, blast pressure regulation. 10 kg dry ice hopper, stainless steel body and frame.

**Package Contents:** 7 m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-08.

Order no.: IC-310-S



### IC 310 S PLUS (Dry ice mill built-in) 1-16 bar/max.

The electrically powered dry ice blasting machine with patented feeding system, integrated dry ice mill, superior cleaning performance, dry ice consumption regulation, blast pressure regulation, 10 kg dry ice hopper, stainless steel body and frame.

**Package Contents:** 7 m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-08.

**Plus Accessories:** Flex Case II. PLUS, LED light for gun IG-10-02-000, 10 m Compressed air hose 3/4", Ice shovel (2 kg Capacity).

Order no.: IC-310-S-PLUS

## PROFESSIONAL RANGE



### IC 410 1-16 bar/max.

The high-performance dry ice blasting machine with max. hopper capacity (31 kg), patented feeding system, user friendly control panel, pulse-free blast stream, stainless steel body and frame and maximum cleaning performance.

**Package Contents:** 7m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-10. Flex Case II. PLUS, LED light for gun IG-10-02, 10m Compressed air hose 3/4", Ice shovel (2 kg Capacity).

Order no.: IC- 410



### IC 410 S (Dry ice mill with 4 positions) 1-16 bar/max.

The electrically powered single-hose dry ice blasting machine, patented feeding system, integrated dry ice mill, maximum cleaning performance, user friendly control panel, pulse-free blast stream, 25 kg dry ice hopper, stainless steel body and frame.

**Package Contents:** 7 m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-10. Flex Case II. PLUS, LED light for gun IG-10-02, 10 m Compressed air hose 3/4", Ice shovel (2 kg Capacity).

Order no.: IC- 410-S



### IC 430 AUTOMATIC (Dry ice mill) 1-16 bar/max.

The professional PLC controlled dry ice blasting machine with patented feeding system, integrated dry ice mill, new air-flow system, user friendly 7" LCD control panel, pulse-free blast stream, 25 kg dry ice hopper, particle control system, stainless steel body.

**Package Contents:** 7m Blast hose, Blast gun IG-10-E, Round nozzle RN-10-10. Flex Case II. PLUS, LED light for gun IG-10-02, 10 m Compressed air hose 3/4", Ice shovel (2 kg Capacity).

Order no.: IC- 430

## ACCESSORIES

### EXTERNAL MODULES



#### External Module PAM-01 (Compatible with Professional Dry ice Blasters)

The external module for abrasive cleaning with granular material. Designed for dry ice blasting with addition of abrasive granulate. It accepts glass particles of 100-200 µm and corundum particles of 250-300 µm. Set includes 7 m blast hose extension.

Order no.: PAM-01



#### External Module PAM-02 (Compatible with IC 022 EVO)

The external module for abrasive cleaning with granular material. Designed for dry ice blasting with addition of abrasive granulate. It accepts glass particles of 100-200µm and corundum particles of 250-300 µm.

Order no.: PAM-02

### NOZZLE CASES



#### Flex Case I.

-NA-34-10-001, -NA-34-20-200, -RN-34-10-100,  
 -NA-34-10-003, -NA-34-30-100, -FN-34-10-100,  
 -NA-34-20-100, -NA-34-30-200, -FN-34-10-200

Order no.: 50358



#### Flex Case II. PLUS

-NA-34-10-001, -NA-34-30-200, -FN-34-10-100,  
 -NA-34-10-002, -NA-95-10-004, -FN-34-10-200,  
 -NA-34-10-003, -RN-34-10-100, -FN-34-10-300  
 -NA-34-20-100, -RN-34-10-200, -50098  
 -NA-34-20-200, -FN-10-06-000

Order no.: 50362

## ACCESSORIES

### BLAST GUNS



#### Standard Blast Guns

**Blast gun IG-10-E**  
Ergonomic electric blast gun

Order no.: IG-10-00-000-E



**LED light for IG-10-E, IG-10**  
with fastening set

Order no.: IG-10-02-000



#### Compact Blast Guns (For use in restricted space)

**Blast gun IG-11-E**  
Robust electric blast gun

Order no.: IG-11-00-000-E



**Blast gun IG-30-E with LED light**  
Lightweight electric blast gun

Order no.: IG-30-00-000-E

### STANDARD NOZZLES (Designed for basic range Dry ice blasting machines)



#### Nozzle Adapter

**Adapter Flex Light**  
Required to connect the Flat nozzles with the blast guns IG-20 and IG-22. Weight 30 g.

Order no.: NA-20-10-001



#### Flat Nozzle (Alu)

Lenght 220 mm, Weight 147 g

Order no.: FN-20-10-200



#### Round Nozzle (Alu)

Lenght 212 mm, Weight 115 g

Order no.: RN-20-07-000



## ACCESORIES



### Nozzle Adapter RN-10

Enables to connect plastic nozzles of RN-10 series to standard blast guns IG-10-E and IG-10. Weight 58g.

Order no.: RN-10



### Round Nozzles RN-10 series (Adpater RN-10 necessary to connect to IG-10-E and IG-10)

#### Round nozzle ø 5 mm

Air consumption 1.4m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/118g

Order no.: RN-10-05-001

#### Round nozzle ø 6 mm

Air consumption 2.1 m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/112g

Order no.: RN-10-06-001

#### Round nozzle ø 7 mm

Air consumption 3.0 m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/108g

Order no.: RN-10-07-001

#### Round nozzle ø 8 mm

Air consumption 3.9m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/105g

Order no.: RN-10-08-001

#### Round nozzle ø 10 mm

Air consumption 6.0 m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/94g

Order no.: RN-10-10-001

#### Round nozzle ø 12 mm

Air consumption 7.8 m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/80g

Order no.: RN-10-12-001



### Round Nozzles RN-11 series (No adpater necessary to connect to IG-10-E and IG-10)

#### Round nozzle ø 3 mm

Air consumption 0.5 m<sup>3</sup>/min at 6 bar. L/W/W: 206mm/20mm/92g

Order no.: RN-11-03-000

#### Round nozzle ø 4 mm

Air consumption 0.8 m<sup>3</sup>/min at 6 bar. L/W/W: 206mm/20mm/90g

Order no.: RN-11-04-000

#### Round nozzle ø 5 mm

Air consumption 1.4 m<sup>3</sup>/min at 6 bar. L/W/W: 206mm/20mm/89g

Order no.: RN-11-05-000

#### Round nozzle ø 6 mm

Air consumption 2.1m<sup>3</sup>/min at 6 bar. L/W/W: 206mm/20mm/86g

Order no.: RN-11-06-000



### Nozzle Adapter RN-10 Alu

Enables to connect aluminium nozzles of RN-10 series to standard blast guns IG-10-E and IG-10. Weight 112g.

Order no.: RN-10-ALU



### Round Nozzles RN-10 Alu series (Adpater RN-10 Alu necessary to connect to IG-10-E and IG-10)

#### Round nozzle ø 5 mm

Air consumption 1.4m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/224g

Order no.: RN-10-05-001-ALU

#### Round nozzle ø 6 mm

Air consumption 2.1 m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/216g

Order no.: RN-10-06-001-ALU

#### Round nozzle ø 7 mm

Air consumption 3.0 m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/208g

Order no.: RN-10-07-001-ALU

#### Round nozzle ø 8 mm

Air consumption 3.9m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/200g

Order no.: RN-10-08-001-ALU

#### Round nozzle ø 10 mm

Air consumption 6.0 m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/180g

Order no.: RN-10-10-001-ALU

#### Round nozzle ø 12 mm

Air consumption 7.8m<sup>3</sup>/min at 6 bar. L/W/W: 257mm/22mm/162g

Order no.: RN-10-12-001-ALU

## ACCESORIES

### STANDARD NOZZLES (For blast guns IG-10-E and IG-10)



#### Flat Nozzles FN-10 Alu series (No adapter necessary to connect to IG-10-E and IG-10)

##### Flat nozzle

Air consumption 0.9 m<sup>3</sup>/min at 6 bar L/W/H/W: 577mm/49mm/40mm/1070 g

Order no.: FN-10-02-000

##### Flat nozzle

Air consumption 2.0 m<sup>3</sup>/min at 6 bar L/W/H/W: 577mm/49mm/40mm/905 g

Order no.: FN-10-04-000

##### Flat nozzle

Air consumption 3.8 m<sup>3</sup>/min at 6 bar L/W/H/W: 577mm/49mm/40mm/890 g

Order no.: FN-10-06-000

##### Flat nozzle

Air consumption 4.4 m<sup>3</sup>/min at 6 bar L/W/H/W: 723mm/100mm/40mm/1505 g

Order no.: FN-10-07-000



#### Crusher Nozzle (No adapter necessary to connect to IG-10-E and IG-10)

Crusher nozzle is mounted in between the blast gun and the nozzle. It enables crushing 3 mm dry ice pellets to fine particles. All our nozzles (except for RN-11 series) can be connected to crusher nozzle (using respective adapters /or no adapter in case of FN-10 Alu series). Weight: 125 g.

Order no.: BHA-10-04-000

### FLEX FIT NOZZLES For connecting to IG-11-E, IG-30-E without adapter, and to IG-10-E, IG-10 with adapter (NA-34 Alu).



#### Nozzle Adapter NA-34 Alu

Enables to connect all flex fit nozzles to standard blast guns IG-10-E and IG-10. Weight 28g.

Order no.: NA-34-10-001



#### Round Nozzles RN-34 Alu series

##### Round nozzle

Air consumption 1.8m<sup>3</sup> /min at 6 bar, Length 110 mm, Weight 107g

Order no.: RN-34-10-100



##### Round nozzle 45°angle

Air consumption 1.8m<sup>3</sup> /min at 6 bar, Length 110 mm, Weight 97g

Order no.: RN-34-10-200



##### Round nozzle 90°angle

Air consumption 1.8m<sup>3</sup> /min at 6 bar, Length 74,6 mm, Weight 115g

Order no.: RN-34-10-300



#### Flat Nozzles FN-34 Alu series

##### Flat nozzle

Air consumption 2.0m<sup>3</sup> /min at 6 bar, Length 112 mm, Weight 102g

Order no.: FN-34-10-100

##### Flat nozzle

Air consumption 1.6m<sup>3</sup> /min at 6 bar, Length 220 mm, Weight 132g

Order no.: FN-34-10-200



##### Flat nozzle 45°angle

Air consumption 1.6m<sup>3</sup> /min at 6 bar, Weight 132g

Order no.: FN-34-10-300



##### Flat nozzle 90°angle

Air consumption 1.6m<sup>3</sup> /min at 6 bar, Weight 132g

Order no.: FN-34-10-400

## ACCESORIES

### BLAST HOSES & EXTENSIONS



#### 1/2" Blast Hoses (For IC 110 E, IC 110 E PLUS)

##### Standard blast hose L= 5m

5 m Electric spare blast hose incl. couplings (price per pc)

Order no.: BH-1/2-12-05

##### Extensions

Standard electric blast hose extension (price per m)

Order no.: BHE-1/2-11

##### Customized blast hose

Electric spare blast hose of desired length incl. couplings (price per m)

Order no.: BH-1/2-12



#### 3/4" Blast Hoses (For IC 310, IC 310 PLUS, IC 310 S, IC 310 S PLUS)

##### Standard blast hose L= 7m

7 m Electric spare blast hose incl. couplings (price per pc)

Order no.: BH-12-07

##### Extensions

Standard electric blast hose extension (price per m)

Order no.: BHE-11

##### Customized blast hose

Electric spare blast hose of desired length incl. couplings (price per m)

Order no.: BH-12

### BLAST HOSE & COMPACT BLAST GUN PACKAGES



#### 1/2" Blast Hose incl. IG 30 E (For all ICS professional blasting machines)

##### Blast hose with blast gun package L=5 m

5m Blast hose and blast gun IG-30-E package (price per pc)

Order no.: BH1/2-13-05-IG-30-E



#### 3/4" Blast Hose incl. IG 11 E (For all ICS professional blasting machines)

##### Blast hose with blast gun package L=7 m

7m Blast hose and blast gun IG-11-E package (price per pc)

Order no.: BH-12-07-IG-11-E

### COMPRESSED AIR HOSES



#### 3/4" Compressed Air Hoses

##### Standard air hose L=10 m

10 m Ultralight compressed air hose+connector (price per pc)

Order no.: 50252-10

##### Customized air hose

Ultralight air hose of desired length incl. connectors (price per m., min. length 3 m)

Order no.: 50252

## ACCESORIES

### FLEX FIT NOZZLES

#### Flex Fit Nozzle Extensions NA-34 Alu series



**Nozzle extension**

Length 150 mm, Weight 143 g

Order no.: NA-34-20-100

**Nozzle extension**

Length 300 mm, Weight 220 g

Order no.: NA-34-20-200

**Nozzle extension**

Length 500 mm, Weight 325 g

Order no.: NA-34-20-300

**Nozzle extension 45° angle**

Weight 139 g

Order no.: NA-34-30-100

**Nozzle extension 90° angle**

Weight 139 g

Order no.: NA-34-30-200

### SPECIAL NOZZLES

#### Flex Nozzles 45°/90° FN-20 Alu series (for IC 022 only)



**Flat nozzle**

Length 185 mm, Weight 147 g, Angle: 45°

Order no.: FN-20-11-300

#### Round Nozzles RN-13 series (for blast gun IG-30-E)

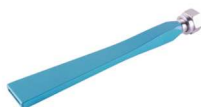


**Round nozzle ø 5mm**

Air consumption 1.4m<sup>3</sup>/min at 6 bar, L/W/W: 147mm/30 mm/70g

Order no.: RN-13-05-000

#### Flat Nozzles FN-35/36 Alu series



**Flat nozzle**

Air consumption 2.2m<sup>3</sup>/min at 6 bar, Length: 220 mm, nozzle opening dimension: 25x4mm. Weight: 132 g.

Order no.: FN-35-10-200



**Flat nozzle**

Air consumption 2.55m<sup>3</sup>/min at 6 bar, Length: 220 mm, nozzle opening dimension: 25x5mm. Weight: 132 g.

Order no.: FN-36-10-200

## ADDITIONAL EQUIPMENT

### ADDITIONAL EQUIPMENT FOR PROFESSIONAL MACHINES



#### Ergo Flex

Designed for blasting in hardly accessible places. Ergo Flex is mounted in between the blast hose and standard blast guns IG-10 E and IG-10. Weight 196 g.

Order no.: BHA-10-02-000



#### Quick coupling set stainless steel

To disconnect the hose package safely and quickly of the dry ice blasting machine.

Order no.: 50188



#### Ice shovel 2kg / 1 kg

Straight Hand shovel, Polypropylene

Order no.: Z0020/Z00009



#### Blast gun holder

Mountable blast gun holder for better comfort & safety.

Order no.: BHA-10-05-000



#### Protection sleeve (m)

Heat resistant up to 350°, per meter.

Order no.: 50207



#### Compressed air connection set

1x 1/2" M, F 1 x 3/4" M, F, 1x 1" M, F 1 x 1 1/4" M, and F, 1 x 1" ball valve 1, x Teflon tape, 1 x Workshop coupling

Order no.: 50294



#### Ear protection

3M Peltor Optime III

Order no.: Z00001



#### Full protection goggles

3M Peltor Optime III

Order no.: Z000011



#### Cold-resistant gloves (1 pair)

Order no.: Z000010



#### Molykote low temperature grease

Faciliates disassembly of metal compounds

Order no.: Z000019

## ADDITIONAL EQUIPMENT

### ADDITIONAL EQUIPMENT (For Flex fit nozzle and flex fit extensions)



**Handgrip**  
Weight 185 g.

Order no.: 50098



**Clamping round**  
For NA-34 extensons. Weight 57g.

Order no.: NA-34-10-002



**Clamping oval**  
For FN-10 nozzles. Weight 53 g.

Order no.: NA-95-10-004



**Key**  
For dissassembly of flex light nozzles. Weight 254 g.

Order no.: NA-34-10-003

## PELLETIZERS



### IP 100 H Basic (3 mm Extrusion Die)

The electrically powered dry ice production machine, Siemens-Logo 8! control unit, advanced hydraulic system with powerful cylinder, highly efficient production, superior quality of dry ice pellets.

**Package Contents:** External heat exchanger, 3 mm Extrusion Die

Order no.: IP-100-H-Basic



### IP 100 H (1.5/3/16 mm Extrusion Dies)

The electrically powered dry ice production machine, Siemens-Logo 8! control unit, advanced hydraulic system with powerful cylinder, highly efficient production, superior quality of dry ice pellets, possibility to produce pellets in 3 different sizes.

**Package Contents:** External heat exchanger, 1,5 mm, 3 mm and 16 mm Extrusion dies.

Order no.: IP-100-H

## ACCESSORIES

### EXTRUSION DIES



**1.5 mm Extrusion Die**

Order no.: IP-100-00-027



**3 mm Extrusion Die**

Order no.: IP-100-00-026



**16 mm Extrusion Die**

Order no.: IP-100-00-028



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