



IBIX®
SPECIAL CLEANING

Каталог оборудования

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Казань (843)206-01-48

Калининград (4012)72-03-81

Калуга (4842)92-23-67

Кемерово (3842)65-04-62

Киров (8332)68-02-04

Краснодар (861)203-40-90

Красноярск (391)204-63-61

Курск (4712)77-13-04

Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13

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Мурманск (8152)59-64-93

Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12

Новокузнецк (3843)20-46-81

Новосибирск (383)227-86-73

Орел (4862)44-53-42

Оренбург (3532)37-68-04

Пенза (8412)22-31-16

Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15

Рязань (4912)46-61-64

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Ставрополь (8652)20-65-13

Тверь (4822)63-31-35

Томск (3822)98-41-53

Тула (4872)74-02-29

Тюмень (3452)66-21-18

Ульяновск (8422)24-23-59

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Челябинск (351)202-03-61

Череповец (8202)49-02-64

Ярославль (4852)69-52-93



Blasting equipment Ibig dry

The IBIX dry system is entirely **made of aluminum**, it is **handy**, **easy to transport**, extremely **versatile** and can be **easily used** by just one operator.

The choice of the most appropriate blasting material and the adjustable blasting pressure make the IBIX system multipurpose and capable of providing unequalled performances in innumerable fields of application, all in full observance of the operator safety and the environmental safeguard standards.

The ecological dry system is ideal to treat **wood** and **porous stones** on which using water is not recommended; it can successfully be used in fields where a particularly strong abrasive power is required, such as **paint removal** on **metal** and **boats**.

Caratteristiche Tecniche IBIX 9:

Struttura interamente in alluminio

Pressione di esercizio: 0.2 ÷ 9 bars
Dimensioni granulometria: da 38 µm fino a 1.2 mm
Requisiti di aria compressa: 500 l (17.65 CFM)
Ugello standard: 3 mm + ugello miscelatore
Capacità serbatoio abrasivo: 9 l
Altezza max macchina montata: 850 mm
Larghezza max macchina montata: 430 mm
Dimensioni imballo: 420 x 350 x h 740 mm
Peso macchina (con serb. vuoto): 15 Kg

Caratteristiche Tecniche IBIX 25:
Struttura interamente in alluminio
Pressione di esercizio: 0.2 ÷ 8,5 bars
Dimensioni granulometria: da 38 µm fino a 1.8 mm
Requisiti di aria compressa: 1500 l (52.95 CFM)
Ugello standard: 5,5 mm + ugello miscelatore
Capacità serbatoio abrasivo: 24.8 l
Altezza max macchina montata: 940 mm
Larghezza max macchina montata: 450 mm
Dimensioni imballo: 420 x 510 x h 930 mm
Peso macchina (con serb. vuoto): 30 Kg

Caratteristiche Tecniche IBIX 40:
Struttura interamente in alluminio
Pressione di esercizio: 0.2 ÷ 8,5 bars
Dimensioni granulometria: da 38 µm fino a 1.8 mm
Requisiti di aria compressa: 5000 l (176.5 CFM)
Ugello standard: 10 mm + ugello miscelatore
Capacità serbatoio abrasivo: 40 l
Altezza max macchina montata: 940 mm

Larghezza max macchina montata: 520 mm

Dimensioni imballo: 620 x 520 x h 910 mm

Peso macchina (con serb. vuoto): 40 Kg



Blasting equipment H2O

Ibix **H2O** offers **two different operating modes**: **dry** or with a **nebulized low-pressure water jet** mixed with the abrasive;

The mix happens in the nozzle so that the quantity of water used is reduced, along with the cleaning residues and the cost of protecting nearby areas.

The use of water prevents dust to spread in the surroundings and is perfect in urban contexts or similar. The H2O method is versatile and can be used for different purposes such as restoration, urban cleanliness, graffiti removal, industrial cleaning and maintenance.

This technology is particularly effective using **bicarbonate of soda** as abrasive; the **soda blasting** is a non-abrasive cleaning ideal for machineries, shiny surfaces, non-porous stones and street furniture.

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Pressione di esercizio: 0.2 ÷ 9 bars
Dimensioni granulometria: da 38 µm fino a 1.2 mm
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Ugello standard: 3 mm + ugello miscelatore
Capacità serbatoio abrasivo: 9 l
Altezza max macchina montata: 850 mm
Larghezza max macchina montata: 430 mm
Dimensioni imballo: 420 x 350 x h 740 mm
Peso macchina (con serb. vuoto): 15 Kg

Caratteristiche Tecniche H2O 25:
Struttura interamente in alluminio
Pressione di esercizio: 0.2 ÷ 8,5 bars
Dimensioni granulometria: da 38 µm fino a 1.8 mm
Requisiti di aria compressa: 1500 l (52.95 CFM)
Ugello standard: 5,5 mm + ugello miscelatore
Capacità serbatoio abrasivo: 24.8 l
Altezza max macchina montata: 940 mm
Larghezza max macchina montata: 450 mm
Dimensioni imballo: 420 x 510 x h 930 mm
Peso macchina (con serb. vuoto): 30 Kg

Caratteristiche Tecniche H2O 40:
Struttura interamente in alluminio
Pressione di esercizio: 0.2 ÷ 8,5 bars
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Ugello standard: 10 mm + ugello miscelatore
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Peso macchina (con serb. vuoto): 40 Kg



Blasting equipment Helix

Helix is a special technology able to give a rotatory motion to the abrasive exiting the gun of the IBIX cleaning system.

In this way the impact of the abrasive on the surface is not vertical but tangential so that the abrasion is more gentle and respectful of the treated surface, increasing at the same time the contact area and the machine effectiveness.

The Helix gun reduces significantly the air flow necessary for the functioning of the micro aero-abrasive system and this allows to highlight the potentialities of IBIX devices, which have always been known for their small dimension, light weight, ecology and affordable price.

The Helix patent has been developed in particular for the restoration field and it is ideal for wood and all materials that need to be treated gently.

HELIX The first helical vortex cleaning system in Italy.

What does HELIX® Means ?

Compared to traditional nozzles the patented new-generation HELIX® system offers, for the same nozzle dimensions, an increased tangential contact area, maintaining the action of the media on a given surface. This makes it possible to increase the distance of the operator from the treated surface, minimising invasiveness without losing the regularity and evenness of cleaning and avoiding the need for operators to make constant corrections, which can result in definitive loss of the substrate being treated.

A winning innovation

The heart of the patented HELIX® system exploits a combination of the Venturi effect, generated by a special configuration of the outlet cone, with a device that induces a helical rotary movement, in order to considerably reduce the air volume required to operate the machine. This has made it possible to enhance the capacity of IBIX® equipment, which has always been known for its compact dimensions, lightness, low compressed air and media consumption, which, in addition to economic savings, leads to ease of operation on the worksite and extremely easy transport and handling. The use of special wear resistant steels and the absence of mechanical moving parts means that the new HELIX® nozzle stands out for its durability even when the use of very hard minerals like almandine garnet, corundum, etc. is necessary.

**IBIX® DRY AND WET MICRO-AIR-ABRASION SYSTEM WITH HELIX®
HELICAL VORTEX GUN**

General point

A cleaning system using dry and wet micro-air-abrasion IBIX® equipment with controlled low pressure projection of specific calcium carbonate based aggregates for cleaning artistic artefacts, of extremely fine grain size (from 120 to 350 Mesh) and hardness less than 3 Mohs, or spherical almandine garnet (hardness 7.5 Mohs,) or vegetal blasting materials, or with sodium bicarbonate for non porous, scratchable, and glossy surfaces; hardness to be selected on the basis of the type of substrate and form of degradation being treated.

Operating pressure using compressed cooled and dehumidified air adjustable starting from 0.2 bar.

Micrometric adjustment of the compressed air/aggregate/vaporized water mixture. Light, ergonomic application gun with interchangeable hard metal nozzles and internal aperture of

diameters from 1 to 4.5 mm cylindrical or conical, or with helical vortex technology for a HELIX® tangential-rotating abrasive action, particularly recommended for use on decorative elements, friezes, mouldings, and recesses. Distance from the artefact variable on the basis of the surface condition and the operating pressure.

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Struttura interamente in alluminio
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Blasting equipment Trilogy 9/28

The new **micro-aero-abrasive** cleaning system put together for the first time the patent **HELIX** with the **dry and wet** (H₂O) eco-blasting technologies; a **triple functionality** that assures an extraordinary versatility and an effectiveness never seen before.

The best of IBIX innovation is expressed in a new technology that will allow to reduce drastically the time for cleaning, paint removal, restoration and treatment of surfaces, all with a simple and ecological method, safe for the environment and the operators.

Trilogy represents the state of art in the fields of surface treatment, industrial and special cleaning, restoration and urban cleanliness, allowing with its unique characteristics an unheard of versatility able to provide the best answer in every work context; an unmissable opportunity to expand your own business and the services offered to your customers.

IBIX® H2O Selective Cleaning Systems

Dual action dry and/or wet technology that allows water spraying by mixing it in output with carbonates or other minerals. The IBIX® H2O systems feature quick lock systems for easy connection to water mains or a water tank.

In conservative restoration works, the system IBIX® H2O allows meeting any cleaning requirements offering high level performances in terms of qualitative and quantitative yield. It further provides top level performance in the field of urban recovery (graffiti cleaning, removal of chewing-gum etc).

Rotational Vortex HELIX® media cleaning system

A combination of the Venturi effect generated by the special conformation of the outlet cone and the helical rotary movement system considerably reduces the compressed air demand and increases the contact area.

The special wearproof Tungsten Carbide-based steel used allows manufacturing nozzles that stand out for durability and long useful life even when using abrasives of extreme hardness.



Blasting equipment NANO 3

The aero-abrasive cleaning system NANO IBIX 3 is a special kit for samples, ideal also for **small cleaning treatments** and **spot blasting**

It is equipped with a 3 liters tank that can be fully emptied, making the change of abrasive easier and avoiding the risk of mixing different blasting materials; this is possible because of a special plastic funnel installed inside the tank of the IBIX machine

The kit NANO IBIX 3 is available in three versions:

KIT NANO IBIX® 3

Kit equipped with a 3 liters tank that can be fully emptied, making the change of abrasive easier and avoiding the risk of mixing different blasting materials; this is possible because of a special plastic funnel installed inside the tank of the IBIX machine; the kit is available with a suitcase of abrasives for samples.

NANO Plus

It is a double functioning (dry/wet) aero-abrasive device, equipped with a special “quick connect” system and two easily interchangeable pistols, a standard H2O and an Helix.

NANO IBIX® 3 con penna

The Nano Ibox reveals its top effectiveness with the microtip Ibox; this tool allows the operator to work on the smallest details with the maximum comfort; it is made of tungsten carbide, a very resistant and durable material compared to ceramic tips.

Caratteristiche Tecniche Nano:
Struttura interamente in alluminio
Pressione di esercizio: 0.2 ÷ 8 bars
Dimensioni granulometria: da 38 µm fino a 1200 micron
Requisiti di aria compressa: requisito minimo 300 lt/min
Ugello standard: 3 mm cilindrico
Capacità serbatoio abrasivo: 3 l
Peso macchina (con serb. vuoto): 10 Kg



Blasting Cabinets IBS 100

One machine, 2 working tools

IBS is the innovative pressure blasting/ shot-peening cabinet combined with an eco-blaster. The eco-blaster can be easily disconnected and used separately on large installed items that cannot be moved or removed.

VERSATILE

It can be used in closed rooms or given several other cleaning situations- working with pieces larger than the effective working area or at a client's premises with pieces that cannot be removed or are hard to handle.

ENVIRONMENTALLY FRIENDLY

100% sealed enclosures do not create pollution or health hazards.

POWERFUL AND EFFICIENT

High performance, increased yield and productivity for works requiring pressure.

EASE OF OPERATION – TOTAL VISIBILITY

Dust and waste resulting from cleaning are sucked by a high power pump, which guarantees ease of operation and total visibility.

LOW OPERATING COSTS

The selective recovery of blasting and inert materials markedly cuts down costs and material consumption.

RECOMMENDED BLASTING MATERIALS:

Use blasting materials recommended by IBIX only to ensure proper functioning of IBS equipment.

Blasting material	Applications
Garnet	<ul style="list-style-type: none"> • Foundry applications, extrusion, moulding and forging of metal, plastic, glass, precision matrix dies and other dies. • Pickling, engraving, trimming, removal of oxidised spots or creation of surface roughness, glass etching, paint removal. <p>Do not use this material on precision mechanical parts (dimensions might be altered)</p>
Glass beads	Metal cleaning, regeneration, satin finishing Shot-peening or finishing of welds (on stainless steel, aluminium etc.)
Vegetable inert materials	Ecological cleaning and pickling without altering the part to treat, delicate part treatment
Sodium Bicarbonate	Precision cleaning and decontamination
Technical Characteristics	Model IBS 100-350
Working capacity (Kg)	350
Working dimensions LxPxH (cm)	90x80x90
Suction pump (m ³ /H)	310

Operating pressure (bar)	0,5 – 9
Dimensions LxPxH (cm)	149x88x69
Empty weight (kg)	350



Blasting Cabinets IBS 150

One machine, 2 working tools

IBS is the innovative pressure blasting/ shot-peening cabinet combined with an eco-blaster. The eco-blaster can be easily disconnected and used separately on large installed items that cannot be moved or removed.

VERSATILE

It can be used in closed rooms or given several other cleaning situations- working with pieces larger than the effective working area or at a client's premises with pieces that cannot be removed or are hard to handle.

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Vegetable inert materials	Ecological cleaning and pickling without altering the part to treat, delicate part treatment
Sodium Bicarbonate	Precision cleaning and decontamination
Technical Characteristics	Model IBS 150-350
Working capacity (Kg)	350
Working dimensions LxPxH (cm)	140x80x90
Suction pump (m ³ /H)	550

Operating pressure (bar)	0,5 – 9
Dimensions LxPxH (cm)	194x95x160
Empty weight (kg)	400



Electro-compressor E90

An electric air compressor with belt drive, E90 is equipped with a pressure switch with protection against overloading in order to guarantee maximum safety and a breaker valve which allows continuous operation. The large dimension wheels make E90 practical and easy to handle.

- Wheeled electrical air compressor
- Power Supply: (Volt/Hz): 400/50
- Noise level: (db): 77
- Air flow rate: (Lt/min - m3/h): 830 - 50
- Max. pressure: (bar - psi): 10 -145
- Dimensions: (LxPxH cm): 58x75x79
- Weight: (Kg): 135



Electro-compressor IB2

Il primo e unico elettrocompressore monofase a vite ultrasilenziato

Questo elettrocompressore è in grado di azionare in modo ottimale le Eco-sabbiatrici IBIX 9/9 H2O/HELIX 9.

Ottime condizioni di utilizzo nei cantieri del centro storico.

CARATTERISTICHE:

Ridotto ingombro e compattezza superiore a quella di un compressore a pistoni di pari potenza

Caratteristiche tecniche elevate al pari di un compressore a vite industriale

Ottimo rendimento per unità di potenza

Ridottissimo livello sonoro grazie al basso numero di giri determinato da un efficace

Manutenzione facile ed economica

Sono disponibili anche modelli con potenza più elevata



Electro-compressor IB2000

Powerful, efficient and constant performance compressor. The reliability of the components guarantees perfectly treated, condensation free air. The atmospheric air is pumped by the compressor through the drier and subsequently accumulated in the tank. This allows you to have treated air in the right quantity, preventing damaging condensation accumulations. All of the condensation that separates from the air in the various treatment phases is discharged electronically and automatically.

Other electro-compressors and motor-driven compressors from 550l/min to 2000 l/min (4-15kW if electric) are available upon Customer request.



Motor-driven compressors A90

The A90 MOTOR-DRIVEN COMPRESSOR is an easy to carry around wheeled compressor with a small tank.

A powerful piston provides the blasting unit with compressed air at a regular rate of 455 l/min so as to hold the blasting material output pressure steady; in this way the blaster operates at maximum efficiency at all times without any pressure reload pauses.

Just 30 seconds after the motor-driven compressor is started, the pressure goes from 0 to 10 bar. Consequently, the flow does not contain oil or moisture.

That lack of oil and moisture is a key factor in particular when working with sodium bicarbonate because if oil or moisture got mixed with the blasting material, the system could get easily clogged and work would have to be stopped to clean all valves and nozzles.

TECHNICAL CHARACTERISTICS

Noise level: 75 dbA

Air flow rate: INPUT 670 l/min - OUTPUT 500 /min

Max pressure: 10 bar

Engine power: 6.62 kW / 9 HP / unleaded petrol

Fuel consumption: 1.7 litres/hour – 1000 rpm

Air tank capacity: 17 + 17 litres

Weight / Dimensions: 108 Kgs – Length: 1070; Width: 770; Height: 890 mm

The A 90 engine compressor features couplings suitable for connection with the IBIX 9 System in terms of both size and airflow.



Motor-driven compressors IB2 Trolley

La soluzione tecnologica che garantisce basso impatto ambientale, riduzione dell'inquinamento acustico e basse emissioni

CARATTERISTICHE TECNICHE

Rumorosità: 75 dbA

Portata di aria: 400 lt/min resi

Pressione max: 10 bar

Potenza massima motore: 5.5 Hp

Capacità serbatoio d'aria: 8 litri

Peso / Dimensioni: 55 kg – 596x730x602 mm

Un design che in modo discreto ma inequivocabile lascia intuire quello che si nasconde al suo interno: dinamismo, efficienza energetica, facilità di utilizzo e un funzionamento ecologico. IB2

Trolley è il più piccolo motocompressore a vite esistente sul mercato, in grado di erogare 450

LT/M (0,45 M3/1) .

Equipaggiato con motori a 4 tempi Benzina Honda con raffreddamento ad aria e avviamento a strappo riesce con l'accoppiamento diretto rapporto 1/1 a garantire un utilizzo 24 ore su 24.



Motor-driven compressor Mobilair M50

The **MOBILAIR M50** engine compressor is a versatile machine, **perfect to supply the IBIX 40/60 blasters.**

The quality of the components guarantees operation in any climate conditions (-10°C to +50°C). MOBILAIR M50 is powered by a 4 cylinder, liquid cooled diesel engine.

The direct transmission also guarantees **maximum efficiency**, providing more air with less fuel consumption. ®

Caratteristiche Tecniche Mobilair M50 :

Compressore carrellato – a vite

Motore: KUBOTA 43,5 hp / benzina

Dotato del sistema Anti-frost che si adatta alla temperatura ambientale

Portata aria: 5000 l/min

Pressione massima: 7 bar

Pressione sonora:

Peso: 735 kg

Dimensioni: 3160x1410x1280 mm



Motor-driven compressors VRK 200 Supersilent

Motor-driven compressor VRK 200 R supersilent built-in cooling system with automatic condensate separator and discharger

The IBIX VRK 200 R Motor-driven compressor comes with a handy foldable drawbar and a bottom-hinged protection casing that can be opened.

The START-WORK electronic device ensures safe starting even at low temperatures.

Low fuel consumption thanks to the innovative ECONOMY SYSTEM that automatically and progressively increases rpm depending on the air supply needed.

The 20-litre fuel tank is transparent to make it easy to control fuel level. The fuel tank can be easily removed by means of a retractable handle.

24-month warranty; best efficiency, reliability and durability!

TECHNICAL CHARACTERISTICS

Air compressor with screw-type compression unit - wheeled

Engine power: HONDA GX 670 engine / 2-cylinder / 24 HP / 17.64 kW / unleaded petrol

Air flow rate: 1900 l/min

Max. pressure: 8 bar

Cooling: air-cooled

Weight / Dimensions: 230 Kg / Length: 1200 mm; Width: 780 mm; Height: 1000 mm

Built-in cooling system with automatic condensate separator and discharger

The VRK 200 R engine compressor features air couplings suitable for connection with the IBIX 25 System in terms of both size and airflow.



FUBIX®

The first and only multi purpose battery powered pressure joint machine light, compact and simple to use

Compact

Light

Easy to use

FUBIX® - Especially suitable for filling all joints types on outer facades in brick, stone, rock, etc. For spraying, injection, micro-injection and pumping any kind of cement compounds or premixed mortars, glues, resins, polyurethane, etc...

TECHNICAL SPECIFICATION:

FUBIX - P 60

- Motor C.C. 65W
- Powered by 12V 12A
- Voltage 220V - 12V
- Remote control with speed regulator
- Start, stop and reverse
- Capacity of standard hopper LT. 13
- Capacity 0/360 LT/h
- Calibrated for inert particles from 0 to 5 mm
- Height cm. 37
- Length cm. 40
- Width cm. 40
- Weigth kg. 15

FUBIX - P 80

- Motor C.C. 600W
- Powered by 24V
- Voltage 220V - 24V
- Remote control with speed regulator
- Start, stop and reverse
- Capacity of standard hopper LT. 20
- Capacity 0/700 LT/h
- Calibrated for inert particles from 0 to 5 mm
- Height cm. 37
- Length cm. 40
- Width cm. 50
- Weigth kg. 20

FUBIX - P100

- Motor C.C. 65W
- Powered by 12V 12A
- Voltage 220V - 12V
- Remote control with speed regulator
- Start, stop and reverse
- Capacity of standard hopper LT. 13

- Capacity 0/180 LT/h
- Calibrated for inert particles from 0 to 5 mm
- Height cm. 37
- Length cm. 40
- Width cm. 40
- Weigth kg. 14



Hercules

A versatile and quick technology for the thermoplastic coating of reinforced concrete, chemical tanks and other building spaces.

HERCULES is able to provide a high volume spraying to coat quickly; the jet/flow properties are excellent.



Spartacus Oil&Gas

SPARTACUS is the perfect flame coating system for building pipelines, compact, high performing and versatile; equipped with a new flame pistol, it is ideal also for restoration of existing coatings.

SPARTACUS is the first technological and innovative system for industrial coating of mechanical joints with PP and PE.

Once applied these coatings merge with the basic polyolefinic coating in a homogeneous way.



Gladiator Omnicooter

The most versatile portable coating system, designed to spray a large volume of powder and reach a high thickness coating (3-5 mm) on pipes, bends, joints made of PE and PP.

The coating is made in one single phase (preheating + PHC application) and the adhesion occurs without primer; the technology preserves very good jet/flow properties.



Ecobix

Cleaning without polluting with the new low environmental impact mobile unit for graffiti removal, maintenance and conservation of urban surfaces.

The ecological vehicle Ecobix is equipped with a front loading area to transport IBIX technologies for urban cleanliness. The loading and unloading operations are easy and quick and can be carried out by a single operator in every urban area.

Ecobix is the result of the practical experience in the urban cleanliness field that inspired IBIX to develop specific solutions for the conservation and restoration of urban areas and historical buildings, creating a system able to provide an answer to all needs emerged in the years in this industry.

The first issue involves particularly the value of the environment and its respect; IBIX uses ecological, low environmental impact equipment to reduce pollution and its consequences.

The second issue is the possibility to operate in urban contexts open to the public and with traffic, without disturbing the surrounding activities and people nearby, considering the necessity to work in restricted areas and historical city centers.

Ecobix is the answer to these needs: a completely ecological device, able to move nimbly in every urban context and containing the best solutions for urban cleanliness.

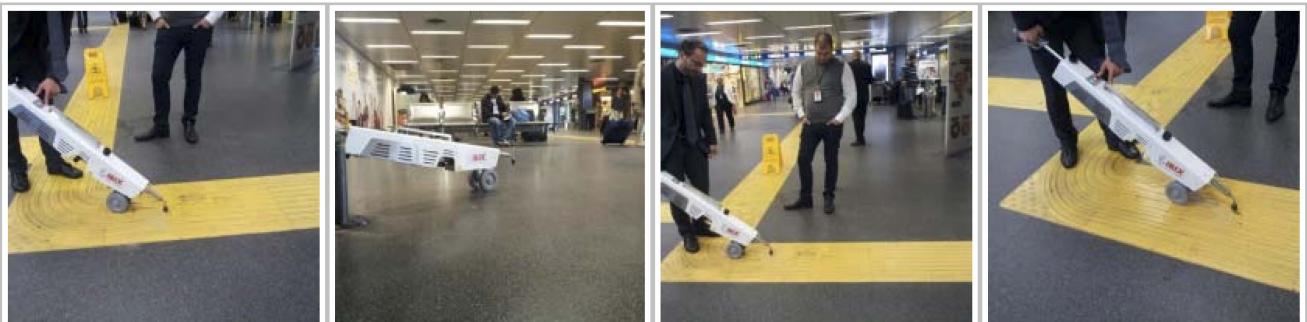


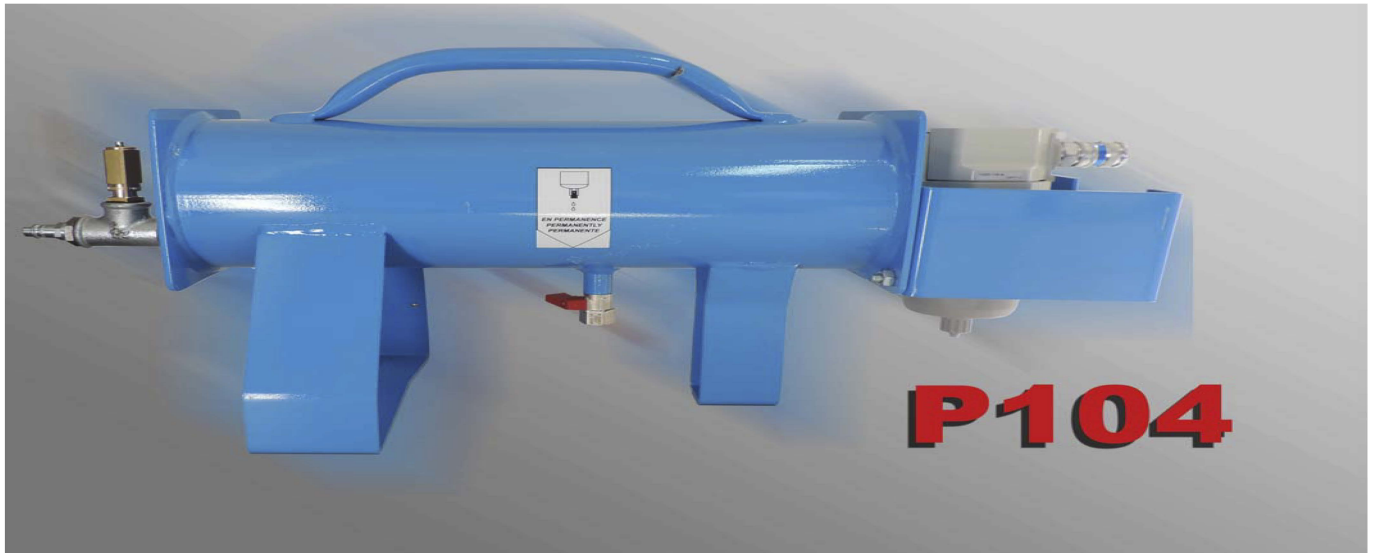
Gum-System

Gum System is the revolutionary portable device for chewing gum removal, a problem that affects different urban facilities like schools, universities, railway stations, airports, shopping centers, etc.

Before Gum System the available solutions, like high pressure and steam cleaners, were expensive, bulky, noisy, inefficient and not really ecological. Now there is a better and practical solution for chewing gum removal: Gum System.

Gum System turns the chewing gum into a powder easy to brush away without ruining the surfaces, thanks to a sugar beet based detergent and to its application lance.





Dehumidifier P104

dehumidifier P104

- 1- The compressed air passes through the dehumidifier P104. The particular configuration of the unit allows to eliminate almost the totality of the water present in the air-stream.
- 2- The drain valve allows, through the precise adjustment of its opening, the continuous removal of the water through a minimum consumption of compressed air.

dehumidifier for blasting

the air flow, already discharged of most part of the moisture, It is further dried through a sintered bronze filter. In output from the dehumidifier, the filtered air is free of moisture in order to allow the perfect operation of the blaster.

use mode

The dehumidifier P104 must be connected to the compressed air hose connecting the compressor to the blaster. For best performance, it is recommended to install the unit as close as possible to the blaster and as far as possible from the compressor.

technical features

weight: 13 kg

fitting: 1/2 P

drying capacity: 2500 l/min



Recovery Unit IBIX R1

The media recovery unit is made up of a special structure that contains a cyclone specifically designed to recover and recycle the media normally used with the IBIX® ecological blasting and media cleaning systems. The cyclone has a special filter drawer that allows residues and any foreign bodies of sizes that could create clogs in the IBIX® to be retained.

The IBIX® recovery unit is completed by a filter box where a 300mm diameter, H=600 mm filter is installed with a semi-automatic, manual “swivel” filter cleaning system.

Suction is ensured by a vacuum pump (turbine) that ensures suction of the media through special hoses, conveying it toward the cyclone where the separation will take place between reusable media and residue waste powder. The latter will be conveyed through the drawer filter and collected in a special waste collection container.

Complete with pneumatic control box and turbine starter. The media recovered in the cyclone will accumulate in the cyclone itself and can be discharged into the IBIX® eco-blaster tank through a pneumatic IBIX® filling plate opening cylinder. IBIX® R1 is a machine designed to guarantee optimum media management. Thanks to the recovery and filtering of the material IBIX® R1 allows costs connected to abrasive consumption to be contained. The system is able to reuse the material for various blasting cycles*, reducing the impact of media cost on the process to a minimum. IBIX® R1 is environmentally friendly. The media used is non toxic and does not contain free silica, plus the recovery of the abrasive limits the cost of disposal with significant advantages in terms of environmental sustainability.

*The number of times the media can be reused varies depending on the application and the working conditions. When the abrasive becomes ineffective it must be changed.



24-l stainless steel sprayer

Dust removal by finely sprayed water dome, especially useful in case of very fine grain sized blasting materials.

TECHNICAL SPECIFICATIONS

- 24 litre capacity stainless steel tank wheeled
- Max working pressure: 8 bars
- Weight on empty: 15 kg
- Compressed air connector
- Water spray nozzle with special support bracket for IBIX spray gun fixing, water on/off tap, tank to nozzle water delivery hose
- Nozzle model LM/75 with 7.5 m RILSAN spiral pipe



Back Pack



Kit Service

A new and very professional way of managing service and repairs.

IBIX® Service Kit is a professional tool and spare part case that enables the IBIX® user to service his machine and do repairs quickly and directly on the worksite.

This means reducing production and worksite stops to a minimum.

A Service Kit for each IBIX® most widely used models: IBIX® 9 H2O/HELIX® 9/ IBIX®25 H2O/HELIX® 25. The IBIX Service Kit contains:

- All tools including the special tools that are required to disassemble and reassemble the IBIX® blaster parts
- All spare parts (except for aluminum extrusions, blast hose, main air valve, wheels and some other structural parts...)
- Air and water couplings and adaptors
- The new «heavy duty blasting kit»: a special air/media mixing valve + a Quick Connect type hose connector made of tungsten carbide. A full kit of nozzles including 3 «speed blast» nozzles for IBIX® conventional blasters that enable media projection acceleration
- A professional degripping spray agent



Nozzle Boxes IBIX 25

The nozzles box extends the application possibilities of the IBIX models, providing the possibility of increasing or decreasing the area of operation, changing the pattern and using all the possible media grain sizes. The box is made up of cylindrical, selective nozzles which concentrate the jet of media for a decisive and precise cleaning and of Venturi nozzles which open the area of operation guaranteeing a delicate treatment. The nozzles are made of tungsten carbide, a resistant material that guarantees durability and strong resistance to abrasion.

box 25: 4.5 - 7 cylindrical nozzle - 4-6 Venturi nozzle

1 - Nozzle Holer

1- Hose Fitting



Nozzle Boxes IBIX 9

The nozzles box extends the application possibilities of the IBIX models, providing the possibility of increasing or decreasing the area of operation, changing the pattern and using all the possible media grain sizes. The box is made up of cylindrical, selective nozzles which concentrate the jet of media for a decisive and precise cleaning and of Venturi nozzles which open the area of operation guaranteeing a delicate treatment. The nozzles are made of tungsten carbide, a resistant material that guarantees durability and strong resistance to abrasion.

box nano3/9: 2-4 cylindrical nozzle - 2.5 - 4 Venturi nozzle

1- nozzle holder

1- hose fitting



Extension lance

Consentono di allungare la pistola di applicazione e di facilitare pertanto il trattamento di soffitti e pavimentazioni, e di permettere particolari utilizzi delle tecnologie IBIX® .

Se ne consiglia l'impiego laddove sia necessario raggiungere zone sopraelevate da terra o da sopra un'impalcatura

(es. pulitura graffiti da facciate fino ad altezza uomo oppure travature in legno e soffitti), potendo rimanere a maggiore distanza dal supporto da ripulire.

La lancia ECOFINISH è ideale per la preparazione pre-rivestimento delle superfici, consente di lavorare su pareti e pavimentazioni con il massimo comfort.

Le nostre Lance sono personalizzabili a seconda delle vostre esigenze.

Contattateci per avere maggiori informazioni.

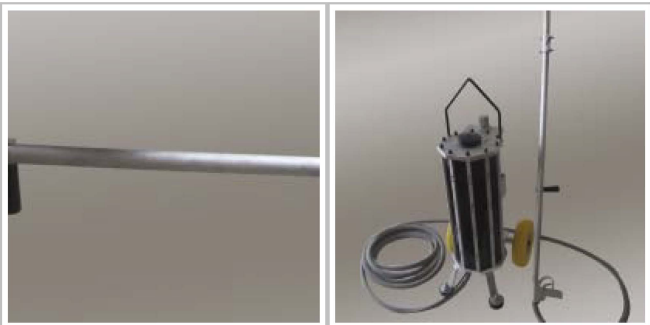
Lancia profilazione fori in metallo



Lancia Savviatura interno tubi



Lancia per pavimenti





Hoods and Brushes

Collegate ad un idoneo aspiratore industriale tali dispositivi facilitano l'aspirazione delle polveri per eseguire lavorazioni in ambienti chiusi.

Le nostre Cappe e spazzole sono personalizzabili a seconda delle vostre esigenze.

Contattateci per avere maggiori informazioni.



Filling funnel



Agrofilter helmet



Helmet Apollo 600

Apollo helmet has a strong durable frame that provides optimum work safety. It is also equipped with oxygen supply that ensures comfortable and safe use for the operator.

The Apollo technology improves the work process, ensuring ease of operation due to its special features:

The replaceable inlet connector guarantees a longer life of the helmet in case of wear. The visor sheath is very wide in order to protect the top of the helmet from abrasive dust.

The washable lining inside, on the neck, makes the helmet cleaning easy and fast.

The fixing strip of the helmet, wrapping around the bottom edge of the cap, can be easily closed with a buckle locking the helmet for maximum user safety.

The helmet can be adjusted through a comfortable knob. It is suitable for heavy blasting jobs, including in confined areas.

CPF20 filter is designed to eliminate moisture and water (or oil) vapour and particles up to 0.5 micron in the breathing air generated by the compressor.

This unit can provide filtered air to the user of the fed helmet during the entire blasting work.



POWER-CAP

Power Cap



IBIX® ART

IBIX®ART is an air-abrasion specific blasting material selected by IBIX to be used with IBIX® eco-blasters and Micro-air-abrasion IBIX® and HELIX® equipment.

Natural, 100% eco-friendly mineral, for a wide range of applications in sandblasting, micro-blasting, dry and humid air-abrasion thanks to the many granulometry curves available.

Cost-saving:

Tiny crystal composition, high relative density, the lowest blasting pressure- all this to minimise blasting material consumption, reduced by 50-75% in comparison with traditional abrasives used in blasting.

High productivity:

As small amounts of aggregate are used (2 - 5 kg/m²) and productivity is high (10 m²/h), using IBIX®ART helps to significantly reduce blasting and cleaning costs.

In fact, IBIX®ART, the inert material for air-abrasion, features a high cutting speed due to the high number of aggregate grains per volume hitting the surface (144/units of volume against 85

for slug).

Depending on the operating conditions, this means higher blasting speed (m²/h) up to 50-100%, plus a very low abrasive consumption (-66%). So, productivity is enhanced when compared with traditional slug-based abrasives or made from stones and glass.

* These are indicative values only. They should be regarded as average values only.

Clean:

IBIX®ART is a chemically neutral, non-metal inert material. Free of toxic chemicals, IBIX®ART does not emit free silica and it is not carcinogenic. It is 100% eco-friendly and in full compliance with safety at work regulations and environmental standards. Does not contain ferrite, impurities or pollutants; it is not radioactive and is free of salts. All these characteristics combined with low consumption result in a significant reduction of disposal costs.

Safe:

IBIX®ART inert material for air-abrasion is not toxic and therefore, it is well below the allowed maximum values set forth by the environmental protection standards on silicogenic (crystalline silicon), toxic and carcinogenic components. A safe and clean work environment is so assured; noise is markedly reduced thanks to a low-pressure blasting method.

Truly hard. No dust produced:

IBIX®ART inert material for air-abrasion features high hardness (7.5 – 8 Mohs) and toughness, very low friability and high relative density (4.1). All these characteristics plus a sub-angular morphology facilitate a dust-free dry blasting process. Top quality blasting- by adjusting the grain size used and the operating pressure you can perfectly control the work to obtain a perfectly uniform surface roughness. The SA3-blasting standard is easily met.

IBIX®ART's high relative density helps transfer a lot of kinetic energy when the blasting material hits a surface, which translates into a marked increase in efficacy and in blasting and cleaning performance.

Due to the high toughness and low friability showed by IBIX®ART, it can be reused several times, thus cutting down blasting and cleaning costs in connection with consumables.

Non-hygroscopic:

IBIX®ART inert material for air-abrasion does not absorb moisture, and so storing and using the product are truly easy tasks.

IBIX®ART is the inert material specific for dry and humid air-abrasion selected to obtain the best performance of the IBIX® System.

USE AND APPLICATION TIPS

IBIX®ART is the inert material specific for air abrasion; it features the main basic characteristics to guarantee efficient, economic and eco-friendly blasting and cleaning.

Therefore, IBIX®ART is the blasting material recommended to be used with IBIX 9, IBIX 25, IBIX 40 eco-blasters, IBIX H2O Micro-air-abrasion equipment and with HELIX® helical vortex gun.

Chemical & Physical Characteristics:

- Appearance: Mineral
- Shape: Sub-angular
- Relative density: 4.1
- Colour: From pink to dark red
- Hardness: 7.5 - 8 Mohs

Grain sizes available:

STRONG

SPEED BLAST

MEDIUM

FINE

EXTRA FINE



IBIX® GRIT



Corn cob



Shredded walnut shells

The granular material obtained from walnuts is little hygroscopic, with little fermentation, and no bacterial flora develops.

They last long even in humid weather conditions;

People who work with this material do not need to wear any special protection equipment. No chemical treatment has been applied at our suppliers' facilities or during the manufacturing process.

Our products are 100% natural; no mineral products or other plant elements are added. We guarantee our products are 100% non-toxic and safe to use.

Our plant grains are obtained after dehydrating and degreasing walnut shells. Non-woody waste and any foreign mineral or metal elements are discarded. Aided by our vast technical experience, we obtain a 100% homogeneous product.

Fields of application:

Materials with different grain size are used to blast a wide range of surfaces, even if they are not chemically treated. They are used when the edges and shape as well as the surfaces of a part should not to be changed. They are recommended when no change on the surface is allowed.

Petrochemical industry

Cleaning of gas turbine compressor blades.

Blasting of pistons and valves in turbines and pumps.

Aeronautical and automotive industries

Blasting of pistons, valves and cooling blades in turbines and pumps.

Electronics

Fine grains are suitable for cleaning those delicate parts in electronic components.

Rubber

Cleaning of moulds used to manufacture tyres.

Plastic

Deburring of objects made of thermosetting materials

Satin finish of thermoplastic parts.

Cleaning of moulds.

Other applications

Cleaning of electric motor housing before winding.

Paint stripping of metallic and glassy surfaces.

In foundry a grain size of 1/1.7 mm is used to make moulds and resin models.

Different grain sizes are used as well to create a honeycomb structure in the abrasive grinding wheels.



Microscopic glass beads

The inert glass beads is available in two grain sizes:

- Average grain size
- Fine grain size



Calcium carbonate CarbonArt

CarbonArt® Z5/Z6 is an inert material that the IBIX technical team selected in collaboration with experts in monument restoration.

After laboratory and worksite testing it proved to be one of the most effective and less invasive materials for cleaning stone, brick and lithotypes in general.

CarbonArt® contains calcium carbonate in two grain sizes that IBIX® selected specifically for cleaning works of art. Very fine, homogeneous grain size and rounded morphology, as well as the purity of the extremely white material are features certified by analyzing every production batch.

These characteristics, plus Mohs hardness lower than 3, make CARBONART® an excellent product for cleaning stone elements and especially delicate old brick on monumental works defaced by soot, black crusts, carbonizations in general, air-borne particles and saline efflorescence.



Sodium Bicarbonate Fixed grain size

The IBIX blasting system with sodium bicarbonate gives efficient cleaning performance yet leaves the support unaltered even where surfaces are shiny (unlike traditional blasting which uses now-prohibited silica materials).

Since sodium bicarbonate has a fine, floury consistency and produces considerable amounts of dust, we recommend that it be used together with the IBIX DL3K Water Vaporiser, which stops dust dispersion completely by way of a screen of finely sprayed water.

WHERE TO USE SODIUM BICARBONATE

- IBIX sodium bicarbonate blasting is ideal for use in the foodstuff industry because, in addition to guaranteed hygiene, it gives excellent cleaning results on metal surfaces such as pots and pans, stoves, extraction fan hoods, gratings, conveyor belts etc. Sodium bicarbonate can be used in kitchens, canteens, hospitals, hotels, catering companies, bakeries and firms involved in the processing of meat, pasta, etc.

- The IBIX blasting system with bicarbonate is especially effective when it comes to cleaning of oxidised aluminium, stainless steel and chromium-plated plastic or metal. This means oxidised aluminum can be cleaned without any risk of damaging the very fine surface coating. Excellent results with chromium-plated materials too.

Residue/corrosion can be removed from window frames and doorsteps to restore them completely, without having to protect the pane because sodium bicarbonate will not damage the glass. It can even be used to remove graffiti from glass (but not acrylic or other artificial glasses as they are rendered opaque).

Limescale and encrustation can be removed easily, thus making sodium bicarbonate ideal for the blastcleaning of public toilets, schools, barracks, hotels, factories, stadiums, sports centres, saunas, hospitals etc.
- The IBIX sodium bicarbonate blasting system can also be used effectively on coach, bus truck, bulldozer and loader engine radiators. Normally, these radiators need to be removed, soaked in solvents and then cleaned with a water jet at 100 bar, a pressure which can warp the radiator fins and cause serious damage. Moreover, the IBIX system gives better cleaning results.
- It is successfully used in all situations where it is necessary not to cause any damage to electric circuits, hydraulic circuits, rubber parts, hard plastic parts or any fragile surfaces. Baking soda is therefore particularly useful for the maintenance of machine-tools, lifting equipment (cranes, lifting platforms...)
- It is particularly suitable for the cleaning of industrial moulds or in the food and farming sectors because it does not cause any materials deformations or degradations. Because the IBIX system operates at pressures of just 0.5/1 bar and uses sodium bicarbonate, the radiator can be given a thorough clean without having to remove it and without damaging it. Similarly, the IBIX sodium bicarbonate solution is ideal for the cleaning of heat exchanger coils.



IBIX®

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