



CRYSTALBLAST™

SANDCARVERS

Engineered, manufactured and supported in the USA by MediaBlast, Inc. and IKONICS Corporation

CRYSTALBLAST™ sandcarving collection

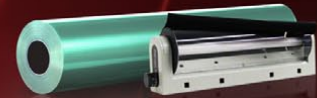
IKONICS Imaging Sandcarving Systems are the finest in the industry, engineered for optimum performance and durability. Choose from **six** exceptional sandcarvers.

machine comparison chart

	CrystalBlast Navigator	CrystalBlast Elite	CrystalBlast Pro	CrystalBlast Pilot	CrystalBlast Mobile	CrystalBlast Scout
Optional Sit-Down Operation	N	Y	N	N	N	N
Dust Collector Filter Type	Cartridge	Cartridge	Bag	Cartridge	Cartridge	Cartridge
Abrasive Reclaimer Mesh Count	0-240	0-240	0-150	0-150	0-150	0-150
Blower Size	1100 cfm	700 cfm	550 cfm	120 cfm	120 cfm	120 cfm
Part Inspection Lighting	Y	Y	N	N	N	N
Eye-Level Control Panel	N	Y	N	N	N	N
Blow Off Gun	Y	Y	N	N	N	N
Pressure Pot Access Port	Y	Y	Y	Y	Y	N
Work Area	47" w. 24" d. 48" h	36" w. 24" d. 24" h	36" w. 24" d. 24" h	30" w. 24" d. 24" h	24" w. 18" d. 18" h	24" w. 18" d. 18" h
Door Size	30"x18"H	19"x18"H	19"x19"H	18"x17"H	15"x24"W	15"x24"W

complete system with mask making package

- Letralite Exposure Unit
- RapidMask™ HD — 10 sheets, Ideal for Halftones
- RapidMask™ HT — 10 sheets
- AccuArt Inkjet Film — 10 sheets
- Positive FX Laser Film — 10 sheets
- RapidMask™ Test Kit
- RapidMask™ DVD
- Mask-Off Tape — 2" x 300'



The RapidMask™ Dry Processing System allows photo resist stencil production in minutes. Begin by generating artwork with AccuArt Water Resistant Inkjet Film. Create positives or negatives using a computer and a standard inkjet printer. Next, expose the printed artwork to RapidMask™ Photo Resist Film using the Letralite UV Exposure Unit. This compact unit provides an 11" x 14" imaging area that exposes photo resist film quickly and uniformly. Finally, apply the RapidMask™ stencil to substrate and sandcarve.

Add this package to any Sandcarver System of your choice and save hundreds of dollars. This special package offers top-of-the-line products and equipment. No other company offers a dry-processable self-adhering film, AccuArt Water Resistant Inkjet Film for creating positives or negatives, and uniquely designed equipment specially made for the decorative sandcarving industry.

B NAVIGATOR



Features

- 14 gauge CRS construction
- Panel cabinet for pass through part processing
- Air velocity wing-panels
- Pneumatic conveyor abrasive separator reclaimer
- Cabinet lighting - rear wall back lighting
- Stability legs
- Large 10" diameter access ports, gloves attached
- Inside pop-up perforated work grate
- ASME 50 lb capacity pressure pot

CrystalBlast Navigator is a pass-through unit designed to permit smart part navigation through the unit using "Hopper-Less" machine technology. The Navigator uses new technology to lower the operating height of the machine track, creating a larger sandcarving area. The Navigator allows for a more accommodating process area by engineering the part conveyor track to raise and lower, keeping the sandcarving area centered. The Navigator comes standard with a 6' track section but available with optional 8' or 10' tracks lengths. The Navigator is a complete system consisting of the cabinet with air-swept floor section, pneumatic abrasive conveyor, cyclone separator reclaimer with attached abrasive storage hopper and a 50 pound ASME Coded pressure pot with access port. In addition, the system also includes the standard 6' part roller conveyor track, flexible abrasive and dust collector ducts and all required blast controls. The included dust collector consists of 220 square feet of cartridge filter dust collector with 1100 cfm exhaust blower and exhaust silencer.

Specifications

Dimensions

Overall: 60"W x 28"D x 68"H
 Working: 47"W x 24"D x 48"H
 Door Opening: 30"W x 18"H

Air Requirements (compressor not included)

3/32" Nozzle: 5.7 cfm @ 30 psi blasting pressure
 1/8" Nozzle: 8.4 cfm @ 30 psi blasting pressure

Lighting

Electrical

Separator

Dust Collector

Abrasive Conveyor

Approximate

Shipping Weight

Inside fluorescent
 230V/60Hz/1Ph
 Cyclone type 0-320 mesh
 1100 cfm exhaust blower with
 220 sq. ft. cartridge filter
 500-800 cfm required

1,550 lbs

Features

- 100% welded cabinet
- True ergonomics for seated or standing operation
- Adjustable height foot pedal
- ASME 50 lb capacity pressure pot
- Heavy-duty 12 and 14 gauge steel with two component urethane paint
- Quick-disconnect nozzle
- 700 cfm exhaust blower with silencer
- Patented abrasive separator reclaimer
- Capable of using 220 grit
- Dustless work area
- Easy filter cleaning mechanism (push button)
- Quiet operation
- Back lighting with dimmer switch
- Tool less hose replacement
- One valve pressurization/depressurization
- Industrial grade pinch valve
- Fits through a 28" door opening

CrystalBlast Elite is the *Total Ergonomic Machine* designed to meet the needs of any sandcarving facility. Ergonomic features such as seated or standing operation, adjustable foot treadle, eye level machine controls, micro sized abrasive hose, fully padded armrest and large view window put the Elite in a class of its own. Unique to the CrystalBlast Elite is 700 cfm exhaust blower along with a patented separator reclaimer that prevents the loss of even the smallest abrasive up to 240 mesh. The reverse pulse cleaning system makes dust collector maintenance as easy as a push of a button. The Elite also includes LED part inspection lighting with dimmer control and high pressure long wear Industrial pinch valve for easy operation. All the combined features showcase the innovation and technology of the CrystalBlast Elite's design.

Specifications

Dimensions

Overall: 51"W x 30"D x 73"H
 Working: 36"W x 24"D x 24"H
 Door Opening: 19"W x 18"H
 Window: 24"W x 13.5"H Safety Plate

Air Requirements (compressor not included)

3/32" Nozzle: 5.7 cfm @ 30 psi blasting pressure
 1/8" Nozzle: 8.4 cfm @ 30 psi blasting pressure

Hoses

Lighting

Electrical

Separator

Dust Collector

Approximate

Shipping Weight

Abrasive hose 3/8" O.D.
 Air hose 1/4" pipe connect
 Halogen cabinet lighting — LED
 part inspection lighting with dimmer
 120V, 20 amp
 Cyclone type 0-240 mesh patent
 700 cfm Exhaust blower
 with silencer — 1/2 hp - 120V

475 lbs



B ELITE

B PRO

Features

- 100% welded cabinet
- 550 cfm exhaust blower
- Patented separator reclaimers
- 8 tubular bags top hanger type, with bag cleaning assembly
- Quiet machine operation
- Two quartz halogen lights
- Full-view laminated view window with window protector glass
- Window sweep with air inlet noise suppressant feature
- Right and left side access door with heavy duty cabinet handles
- Patented abrasive separator
- 50 lb capacity pot
- High pressure long wear Industrial pinch valve
- Wheels, lockable
- Right and left blast hose entry

CrystalBlast Pro is a cost effective, professional level sandcarver for all applications. The Pro utilizes a powerful 550 cfm dust collector blower and tubular dust collector bags with a disposable micro filter to create a clean working environment. It also contains a patented separator reclaimers to efficiently prevent abrasive loss during sandcarving using a 150 mesh grit or larger. The Pro's cabinet height, window location, window slope and padded armrest are designed to create an easily operated stand-up sandcarving machine. The dual door design also allows for easy access from both sides of the cabinet. The Pro is among the most popular, work-horse units in the CrystalBlast product line.

Specifications

Dimensions

Overall: 38.25"W x 35.5"D x 81"H
 Working: 36"W x 24"D x 24"H
 Door Opening: 19"W x 19"H
 Window: 24"W x 13.5"H

Air Requirements (compressor not included)

3/32" Nozzle: 5.7 cfm @ 30 psi blasting pressure
 1/8" Nozzle: 8.4 cfm @ 30 psi blasting pressure

Hoses

Abrasive hose 3/8" O.D.
 Air hose 1/4" pipe connect
 Halogen lighting

Lighting

Electrical

120V/60Hz/1Ph

Separator

Centrifugal abrasive reclaimers

Dust Collector

550 cfm exhaust blower 1/2 hp - 120V

Approximate

Shipping Weight

480 lbs

Features

- 14 gauge CRS construction
- Vac-U-Clean abrasive separator reclaimers
- Stainless steel sifting screen
- Standard 3/32" tungsten carbide blast nozzle
- Quick change nozzle, no tools required
- 6" diameter work ports with gloves attached
- Flexible 3/8" OD high wear flexible blast hose
- ASME 50 lb pressure pot with stainless steel pot valve
- Stand-Up machine operation
- Includes Vac - 110 dust collector

CrystalBlast Pilot incorporates economic design and practical utilitarian quality. The Pilot is a stand-up unit with easy-to-use controls. The Pilot includes unique features like 100% welded cabinet construction and the Vac-U-Clean abrasive separator reclaimers that prevents the dust collector from removing even the smallest abrasives.

Specifications

Dimensions

Overall: 33-1/2"W x 27"D x 64"H
 Working: 30"W x 24"D x 23"H
 Door Opening: 18"W x 17"H

Air Requirements (compressor not included)

3/32" Nozzle: 5.7 cfm @ 30 psi blasting pressure
 1/8" Nozzle: 8.4 cfm @ 30 psi blasting pressure

Hoses

Abrasive hose 3/8" O.D.

Lighting

Fluorescent lighting

Electrical

120V/60Hz/1Ph

Separator

Centrifugal abrasive reclaimers

Dust Collector

120 cfm with 110 sq. ft. filter

Approximate

Shipping Weight

352 lbs

**B PILOT**

B MOBILE



Features

- 100% welded construction blast cabinet
- 14 gauge CRS construction
- Vertical top loading access door, no spill
- Pot valve, pop-up window protector glass
- Includes Vac - 110 dust collector
- 5" diameter work ports with gloves
- 120-volt electrical
- Perforated metal work grates
- Large HD four mount casters, 2 fixed - 2 swivel

CrystalBlast Mobile is a direct pressure machine attached to its own portable storage cabinet "Work-Cart". The direct pressure abrasive delivery system includes the CrystalBlast 40 pound capacity pressure pot assembly with easy-to-use pot controls. The cabinet is attached to the top of the mobile work cart for assured security. Upon arrival, roll the machine to the desired site, open the storage side of the work cart, and access the tools and materials. It includes the flexible whip hose and micro nozzle permitting exact control of the abrasive that is essential when using smaller compact cabinets. The large, 40 pound pot assembly produces the stability needed during mobile transport by lowering the unit's center of gravity. The Mobile unit includes push-pull transport handles that can also be used to fasten the machine into the bed of any small pick-up truck or trailer using simple ratchet straps. Larger handle combinations are available to increase the top working surface area. A place to work and a place to store the goods all in one compact mobile unit...available in one simple to operate and simple to transport machine.

Specifications

Dimensions

Overall: 48"W x 24"D x 64"H
 Working: 24"W x 18"D x 18"H
 Hatch Door: 24"W x 15"H

Air Requirements (compressor not included)

3/32" Nozzle: 5.7 cfm @ 30 psi blasting pressure
 (worn nozzles require additional compressed air, advised 9 cfm supply)

Hoses

Flexible whip 3/8" OD high wear blast hose

Lighting

Incandescent lighting

Electrical

120V/60Hz/1Ph

Separator

Centrifugal abrasive reclaimer

Dust Collector

120 cfm with 110 sq. ft. filter

Approximate

Shipping Weight

470 lbs

Features

- Siphon abrasive delivery
- 14 & 18 gauge steel
- Top loading access door
- Air Regulator-filter-water trap and gauge
- Abrasive mixing valve
- Includes Vac - 110 dust collector
- 5" Diameter work ports
- Perforated metal work grate
- Wall installation bracket
- Abrasive reclaimer
- Foot pedal operation

CrystalBlast Scout embodies the characteristics of simplicity and efficiency. The Scout is the simplest to operate and the least expensive to purchase. The Scout is ideal for the hobbyist or occasional decorator interested in entering the profitable world of decorative sandcarving. Start small and think big with the Scout sandcarver. The Scout can be used on a bench top or mounted to a wall using the wall attachment bracket located on the machine back panel.

Specifications

Dimensions

Overall: 25"W x 19"D x 32"H
 Working: 24"W x 18"D x 18"H
 Hatch Door: 24" x 15"
 Window: 7.75" x 13.5"

Air Compressor

Required, not included

Electrical

120V/60Hz/1Ph

Filter Type/Area

Cartridge/110 sq. ft.

Vac - 110 Dust Collector (included)

Overall Dimension 18"W x 18"D x 23.5"H

CFM & Inlet Size 120 cfm & 2" I.D. inlet

120 cfm dust collector - 110 sq. ft. filter

Hoses

5' hose



B SCOUT



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