BNP 250 & 260 Wetblast Cabinets

General Industry Applications

- Clean/texture parts with minimal impregnation of blast media
- Finish delicate parts to improve appearance
- Prepare parts for bonding
- Finish metal parts to produce a smooth surface and bright appearance
- Finish metal parts to achieve a low-profile (low Ra) surface
- Clean or finish electrical components, sensitive to static electricity
- Clean investment castings
- Strip paint from fiber-glass parts

SLA Applications

- Remove build lines from SLA masters while improving surface finish and decreasing handwork required
- Remove flashing from corners of molded parts
- Clean gummy residue from corners
- Reduce RTV inhibition
- Rinsing action of wetblast operation produces cleaner parts than dry blast

Commonly Processed Parts

Glass Bead: SLA master models, cast polyurethane parts, semiconductors, microprocessor and electronic components, jewelry, stainless steel medical instruments, oxygen compressors, aircraft components, water meters
Aggressive Media: titanium parts for removal of heat scale or oxidation, automotive air compressor parts, engine parts

BNP-260

Clean
Peen
Deburr
Finish

Cutaway shown

ZERO BNP Wetblast cabinets deliver affordable, dust-free media blasting to efficiently clean and finish all kinds of parts. The wetblast process produces a smooth surface, a bright shine, and does not produce static electricity common in dry blast operations.

BNP Wetblast Cabinets feature:

Safety

– Dust-free wetblasting reduces worker exposure to dust and static electricity build-up generated by dry blasting.
– Full-length waterproof neoprene-on-fabric gloves.
– Safety interlocks interrupt blasting if either door is opened.
– Double-wall, sound-insulated doors reduce noise.

Productivity

– Fluorescent lighting brightly illuminates work chamber.
– Generous 12.5" by 19.5" window gives operator commanding view.
– 150-cfm exhauster maximizes visibility inside cabinet.
– Operator-controlled domestic-water wash system maintains clean window for clear view of work.
– Foot pedal activates blast process and minimizes operator fatigue.
– Fingertip-activated rinsing control speeds work flow.

Performance

– 14-gauge stainless steel cabinet and grating provide rust-free blasting environment.
– Pressure regulator with gauge is within easy reach on light module. Toggle switches activate lighting, exhauster, and diaphragm pump.
– Diaphragm pump ensures ready supply of media/water to maintain efficient work flow.
– Adjustable, heavy-duty chrome latches seal doors tight through years of service.

BNP Blast Gun with Ceramic Nozzle

ZERO's BNP gun sets the industry standard for durability, versatility, and performance. Its proven, ergonomic grip reduces operator fatigue and increases productivity. The standard 5/16-inch ceramic nozzle is perfect for light-industrial glass bead applications. *Optional* tungsten nozzles offer much greater wear life than ceramic; and *optional* boron carbide nozzles are used with aggressive media, when the cabinet is fitted with an *optional* aggressive-media-resistant pump.

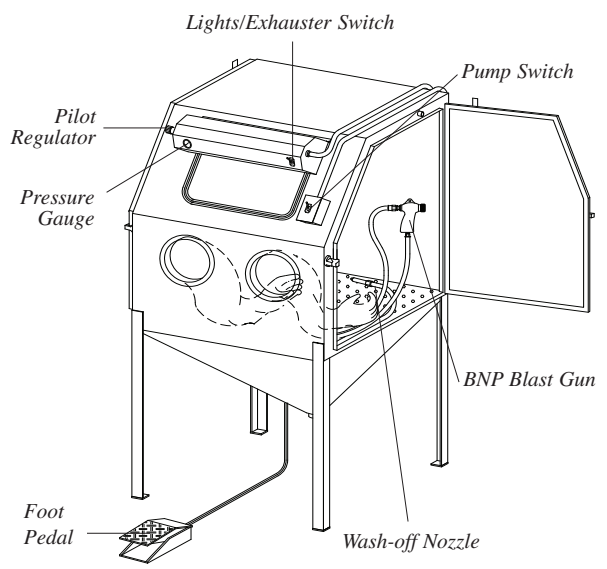
Industries Served

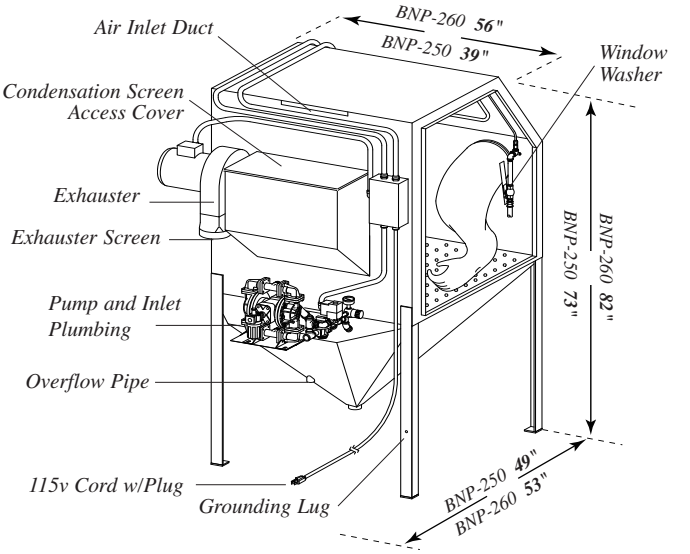
- Aerospace
- Automotive Manufacturing
- Automotive Rebuilding
- Aircraft Component Manufacturing
- Rapid Prototype and Manufacturing Services
- Medical Instrument Manufacturing
- Public Utilities
- Military

S P E C I F I C A T I O N S

COMPLETE SYSTEM

Actual space required depends on desired work flow. Allow additional work space for operator and maintenance access.





CABINET

BNP 250

Overall System Dimensions

49" deep *(1245 mm)*
39" wide *(991 mm)*
73" high *(1854 mm)*

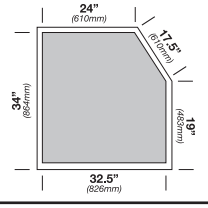
Working Chamber Size

35" deep *(914 mm)*
36" wide *(889 mm)*
37" high *(940 mm)*

Window Size *(safety glass)*

19.5" wide *(495 mm)*
12.5" high *(318 mm)*

Door Opening



BNP 260

Overall System Dimensions

53" deep *(1346 mm)*
56" wide *(1422 mm)*
82" high *(2082 mm)*

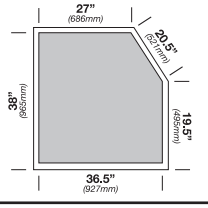
Working Chamber Size

39" deep *(990 mm)*
50" wide *(1270 mm)*
43" high *(1092 mm)*

Window Size *(safety glass)*

19.5" wide *(495 mm)*
12.5" high *(318 mm)*

Door Opening



MEDIA

The BNP Wetblast cabinets are designed for use with glass bead media up to 50-mesh (U.S. Sieve); MilSpec #6 or smaller. Aluminum oxide or other aggressive media can be used when the cabinet is equipped with *optional* aggressive-media pump.

WATER

The BNP Wetblast cabinets utilize a diaphragm pump to recirculate the media-water slurry. After an initial charge of water and media, clean water is added only when the parts-wash or window-wash control is activated. Connects to 1/2" ID water hose.

AIR CONSUMPTION

BNP GUN	NOZZLE ORIFICE	AIR JET	CFM at 80 PSI
No. **4**	5/16"	1/8"	21
No. **5**	5/16"	5/32"	32
No. **6**	3/8"	3/16"	47

ELECTRICAL SUPPLY

1/3 HP, 115/208-230v motor (wired for 115v), 1 Ph, 60 Hz; GFCI required.
Optional: 50 Hz Electrics

ORDERING INFORMATION

Model Number	Stock Number	Shipping Weight
BNP 250 (glass bead media)	**12951**	**625 lbs *(283 kgs)***
BNP 250 (aggressive media)	**24429**	**850 lbs *(386 kgs)***
BNP 260 (glass bead media)	**24742**	**750 lbs *(337 kgs)***
BNP 260 (aggressive media)	**24743**	**970 lbs *(440 kgs)***

Distributed By:

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