

HYDRO-HONE

True Quality in Blast Finishing Equipment

Conventional System

The I.C.M. **HYDRO-HONE** line of wet abrasive blast cabinets expands the versatility of blast cleaning and includes jobs too delicate for traditional dry blasting. Water is placed in an abrasive storage hopper where it is then mixed with media (all types and sizes will work). The pump is turned on and the media and water are agitated together to formulate a slurry. The pump discharge suspends abrasive in the water while it also carries the slurry to the blast nozzle where it is forced from the blast gun by compressed air.



Special Features of the I.C.M. Hydro-Hone:

- Eliminates all dust from blasting process
- Eliminates the possibility of iron contamination
- Slurry system keeps abrasive suspended without using compressed air
- Available in three sizes to accommodate various parts
- Uses submersible abrasive pump which extends life of pump

A Standard Hydro-Hone is needed if the following apply to your process:

- Cannot have iron contamination
- Specifications require wet blast
- Working with delicate parts
- Cannot have impregnation of foreign particles into part

DIMENSIONS & SHIPPING WEIGHT

	Model 12	Model 25	Model 36
Overall Width:	25"	38"	50"
Overall Height:	78"	90"	94"
Overall Depth:	31"	48"	60"
Working Area Width:	24"	36"	48"
Working Area Height:	24"	36"	40"
Working Area Depth:	24"	37"	45"
Door Opening Width:	20"	28"	35"
Door Opening Height:	22"	28"	35-1/2"
Weight (Approximate):	400 lbs.	900 lbs.	1,250 lbs.

Hydro-Hone

Closed Loop System

The I.C.M. **HYDRO-HONE CLOSED-LOOP SYSTEM** works the same way the conventional machine does, but offers special slurry recirculating components. These components effectively reduce the amount of waste for disposal which is removed from the part during the blast cleaning process. When the slurry is no longer effective (giving desired finish) it will be purged out of the cabinet via a purge pump, into a sump container, where it will settle for disposal. The water will then be pumped back into the cabinet via a return pump to be reused with the addition of new media and fresh water.

Special Features of the I.C.M. Hydro-Hone Closed-Loop System:

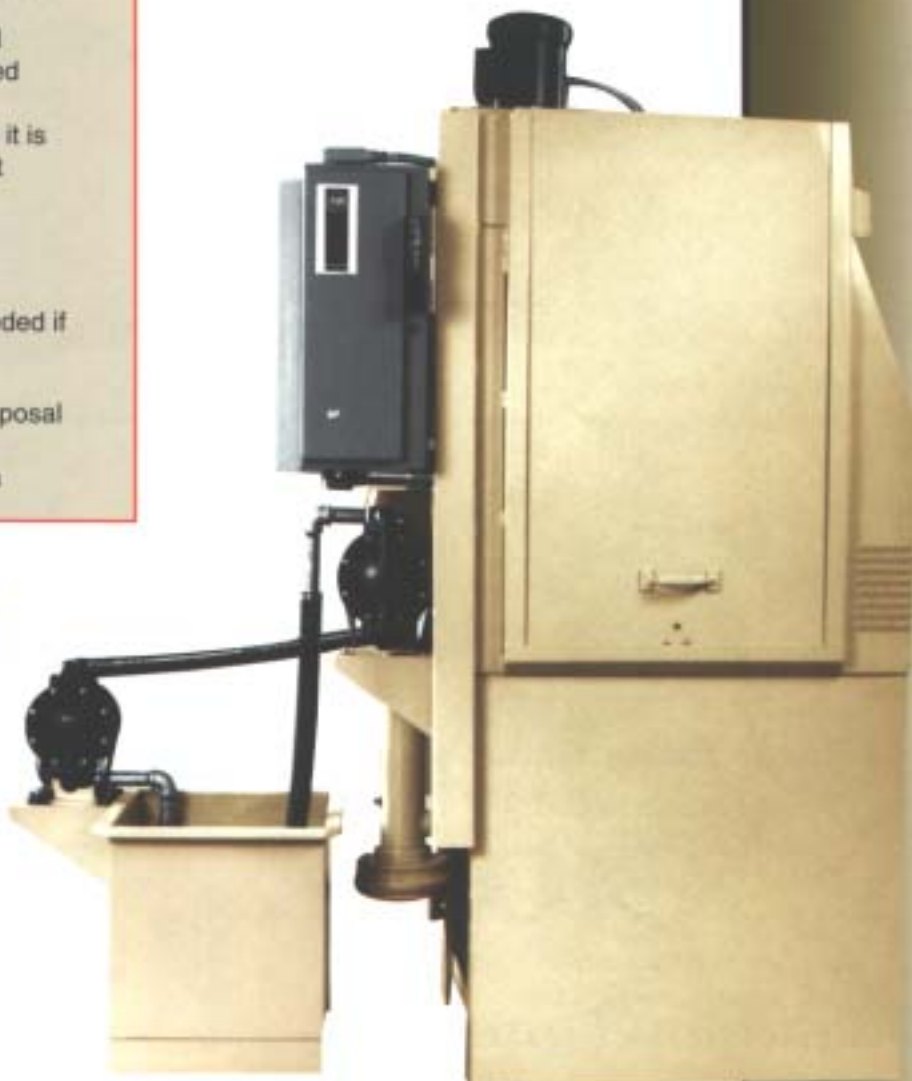
- Harmful by-products are never airborne as they are in a dry blasting process
- Amount of waste is adequately reduced because water from the slurry is recycled back into the cabinet
- Used media is easily removed because it is pumped into an accessible containment container
- Available in two sizes to accommodate various parts

A Hydro-Hone Closed-Loop Machine is needed if the following apply to your process:

- Need to control amount of waste for disposal
- Working with potentially harmful waste
- Cannot have any dust in operating area

DIMENSIONS & SHIPPING WEIGHT

	Model 25	Model 36
Overall Width:	46"	58"
Overall Height:	90"	94"
Overall Depth:	83"	87"
Working Area Width:	36"	48"
Working Area Height:	36"	40"
Working Area Depth:	37"	45"
Door Opening Width:	24 1/2"	32"
Door Opening Height:	24 1/2"	28 1/2"
Weight (Approximate):	1,000 lbs.	1,500 lbs.



Exclusive features and specifications of the HYDRO-HONE

	CONVENTIONAL	CLOSED-LOOP
Construction:	12 & 14 gauge hot rolled steel or 304 stainless steel	304 stainless steel
Lighting:	Fluorescent/115 Volt, 1 Phase, 60 HZ	Fluorescent/115 Volt, 1 Phase, 60 HZ
Exhaust Blower:	1/3 H.P., 115 Volt, 1 Phase, 60 HZ TEFC on all three models	
Pump Motor Model 12:	1/3 H.P., 115 Volt, 1 Phase, 60 HZ	N/A
Pump Motor Model 25:	1-1/2 H.P., 240/480 Volt, 3 Phase, 60 HZ	1-1/2 H.P., 240/480 Volt, 3 Phase, 60 HZ
Pump Motor Model 36:	1-1/2 H.P., 240/480 Volt, 3 Phase, 60 HZ	1-1/2 H.P., 240/480 Volt, 3 Phase, 60 HZ
Air Controls:	Foot Switch	Foot Switch
Window Wash Controls:	Foot Switch	Foot Switch
Return Pump:	N/A	Double Diaphragm, Air Controlled
Sump Pump:	N/A	Double Diaphragm, Air Controlled
Waste Container:	N/A	304 Stainless Steel
Doors:	Swinging/Vertical Sliding	Vertical Sliding

Hydro-Hone Equipment Options:

- Air Cylinder Doors
- Sidetrack and Turntable
- Rinse Station with Splash Guard
- Slurry Temperature Control
- Tumble Barrel
- Single Power Source

C.F.M. Usage Chart

		P.S.I.	30	40	50	60	70
		C. F.M. Required					
1/4" Nozzle	1/8" Air Jet	10	12	12	17	19	
3/8" Nozzle	3/16" Air Jet	22	27	33	38	43	
1/2" Nozzle	1/4" Air Jet	40	50	58	67	76	



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