



# Technical solution

## Recycling sandblasting machine



Expert In Metal abrasives & Shot Blasting Equipment  
ISO9001 Certificate

# **C O N T E N T S**

<b>01</b>	<b>Company Profile</b>
<b>02</b>	<b>Equipment Overview</b>
<b>03</b>	<b>Technical Specific</b>
<b>04</b>	<b>Wear parts</b>
<b>05</b>	<b>Application cases</b>
<b>06</b>	<b>After -sales service</b>
<b>07</b>	<b>scheme diagram</b>



#### COMPANY INFO

- 1.30+ years focus on shot blasting& peening machines,abrasives.
- 2.Export to more than 30 countries ( East Asia , Mid-east , USA, Europe ) with very good reputation.
- 3.More than 1200 clients all over the world.
- 4.Supply aftersale with our local agent in Each regional continent
5. Provide personalized and customized services.
- 6.Supply the complete solutions for surface treatment.
- 7.Supply the spare part of Rosler, Wheelabrator ,Disa, Sinto, Pangborn...Famous brands in the industry
8. Supply ISO9001,ISO14001, CE, FDA certification etc.
- 9.Quality/ secret/ refunding guarantee agreements.
- 10.Own 3 factories with 30,000 square meters & 200 workers
- 11.Additional product services : including marketing plans and pictures ,video.



The equipment adopts compressed air as power to spray the abrasive at high speed to the surface to be treated, after the abrasive impact, the surface of the workpiece rust stains, sand, black skin, paint, oxide skin and other debris stripped clean to restore the metal or non-metallic workpiece color, the surface to get the cleanliness and roughness required by the process, through the sand and dust separation system will be automatically sorted out the separation of sand and dust, sorted out of the abrasive material to continue to circulate the use of dust and rust stains, sand income dust collection barrels. Under the control of the handle switch, the equipment sandblasting, recycling, sand and dust separation, sand recycling, dust filtration and all other work "in one go". The working environment is clean, and the work site reaches GB103328-10333-89 workshop air dust hygiene standards.

## **Design basis of sand blasting machine**

a). The gas emission of this equipment meets the GB16297-96 Comprehensive Emission Standards for Air Pollutants, Level 2 standard plant Room noise meets TJ36-79 "Industrial Enterprise Design and Hygiene Standards". Inter-plant noise meets GB12348-90 "Noise Standards for Industrial Enterprises at Plant Boundaries".

b) GB103328-10333-89 "Workshop Air Dust Hygiene Standards".

## NH-1D Circulating Recycling Type Sand Blasting Machine Technical Parameters

Input power supply AC380V 50Hz

Maximum flow rate 520m<sup>3</sup>/h

Maximum pressure 400mbar

Air consumption 3-6m<sup>3</sup>/min

Sand tank diameter  $\Phi$ 500mm

Nozzle throat diameter  $\Phi$ 6-8mm

Sand tank volume 0.2m<sup>3</sup>

Sand tank structure Double-layer pressurised compartment

Sand loading capacity Approx. 350-700kg

Motor power 7.5kw

Work efficiency 1-5m<sup>2</sup>/h (Note: there are differences depending on the processing level requirements, working conditions and sand materials)

Dust recovery 100

Cleaning level Sa2.5-3

Working radius 10m

Abrasive used: Steel grit G40, brown corundum (brown corundum abrasive grit size 16-24 mesh). When using steel grit, the working radius should be appropriately shortened.

Abrasive grit size  $\leq$ 2mm

Dimensions 1900mm $\times$ 700mm $\times$ 2000mm

Weight approx. 480kg



# NH-11D Circulating Recycling Type Sand Blasting Machine Technical Parameters



Control mode: remote wireless remote control

Input power supply: AC380V 50Hz

Working pressure: 0.4-0.8MPa

Air consumption: 3-6m<sup>3</sup>/min (air compressor user-provided or optional)

Diameter of sand cylinder: Φ700mm

Nozzle throat diameter: Φ8mm sand cylinder volume: 0.3m<sup>3</sup>

Sand loading capacity: about 350-700 kg

Motor power: 11kw (Roots vacuum pump)

Work efficiency: 6-18 square meters / h (Note: according to the processing grade requirements, working conditions, sand will be different)

Dust recovery: 100%

Clearance grade: Sa2.5-3

working radius: 40m

Applicable abrasives: steel grit G40, G25, brown corundum (brown corundum abrasive grit size of 16-24 mesh) when using steel grit to shorten the radius appropriately.

Abrasive grain size: ≤1.5mm

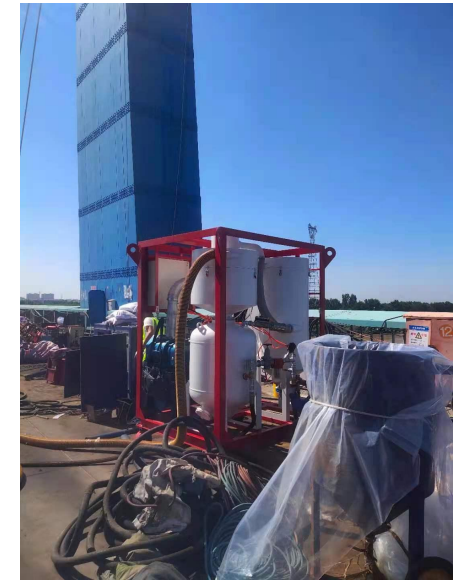
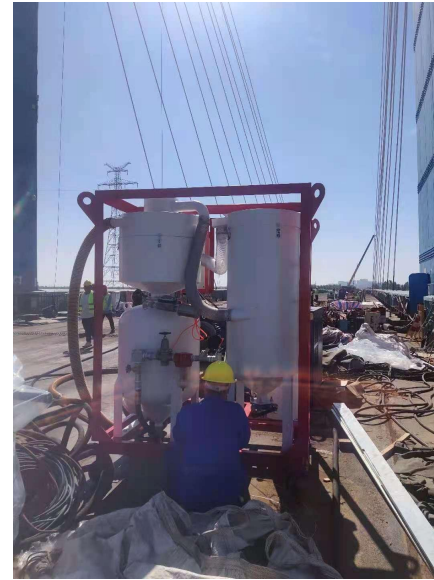
Maximum external size: 1910\*1610\*2440mm (subject to actual production) Weight

Weight: about 1000kg

NH series of environmentally friendly sand blasting machine is our company for steel structure, spraying factory, electroplating factory,

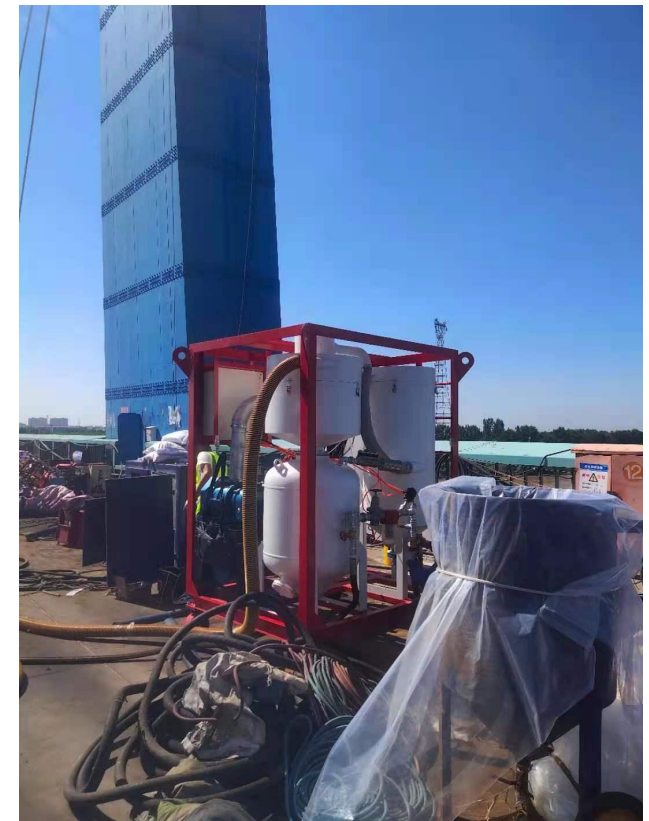
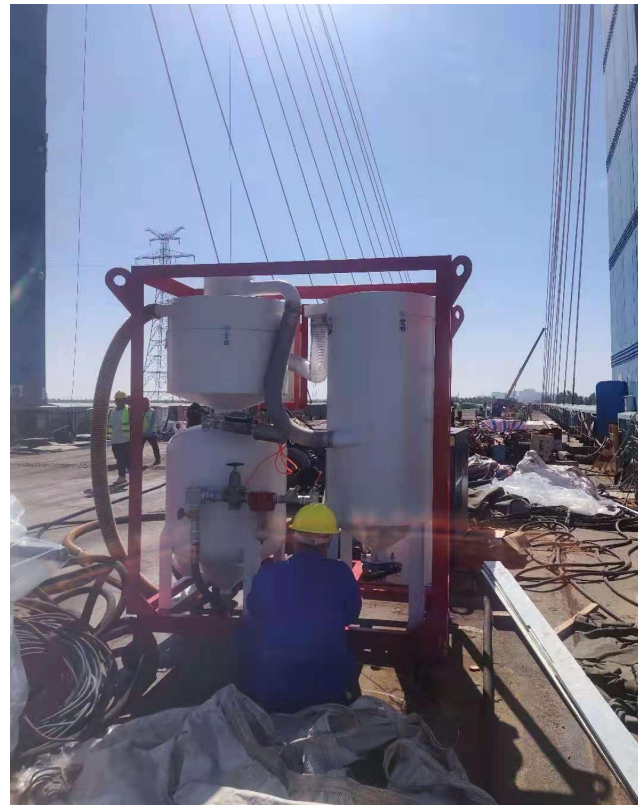
foundry, machinery factory to go

In addition to toxic paint, oil, scratches, rust stains, sand, black skin, oxide dirt and other environmentally friendly sandblasting equipment developed. Adopting NH series of sand blasting machine to deal with, to ensure that the work site is dust-free and pollution-free, the equipment to deal with alloy parts, steel components process environmental protection and dust-free. Both can deal with the surface material of steel structure, and at the same time can get the roughness required for the surface. Lay a good foundation for post-painting treatment. NH series sand blasting machine rust removal, paint removal, in addition to the oxide skin sand blasting machine with environmental protection standards, high performance, wide range of uses, easy to move, safe and efficient, etc., and has now won a good reputation in the steel structure, foundry, machine shop, locomotive factory, spraying factory.



# Components of the sand blasting machine system

- a、 Sand blasting system
- b、 Sand dust separation system
- c、 Filtering system
- d、 Dust collection system
- e. Recycling system
- f、 Combination spray gun
- g、 Electronic control part





# Performance Characteristics

- Dust-free and environmentally friendly design Automatic recovery and separation of paint, oxidized skin, sand dust and rust stains, and recycling of abrasives.
- Dust and dirt free operation The actual test on the paint dust recovery rate is 99%.
- Blowback Protection The blowback system automatically removes cartridge dust to protect cartridge life.
- Surface treatment grade Sa2.5-3 grade is available.
- Increased working radius Working radius up to 60 meters.
- Safe and convenient control Remote wireless remote control (DC24V).
- Vehicle-mounted mobile design Easy to move around the sand blasting site.
- Equipped with light wear-resistant sand flow pipeline, workers save labor.



# Main scope of supply

- a. One sand blasting machine
- b. Recycling tube 40-60 meters
- c. Sand blasting pipe 40-60 meters
- d. A list of equipment
- e. A copy of the manual

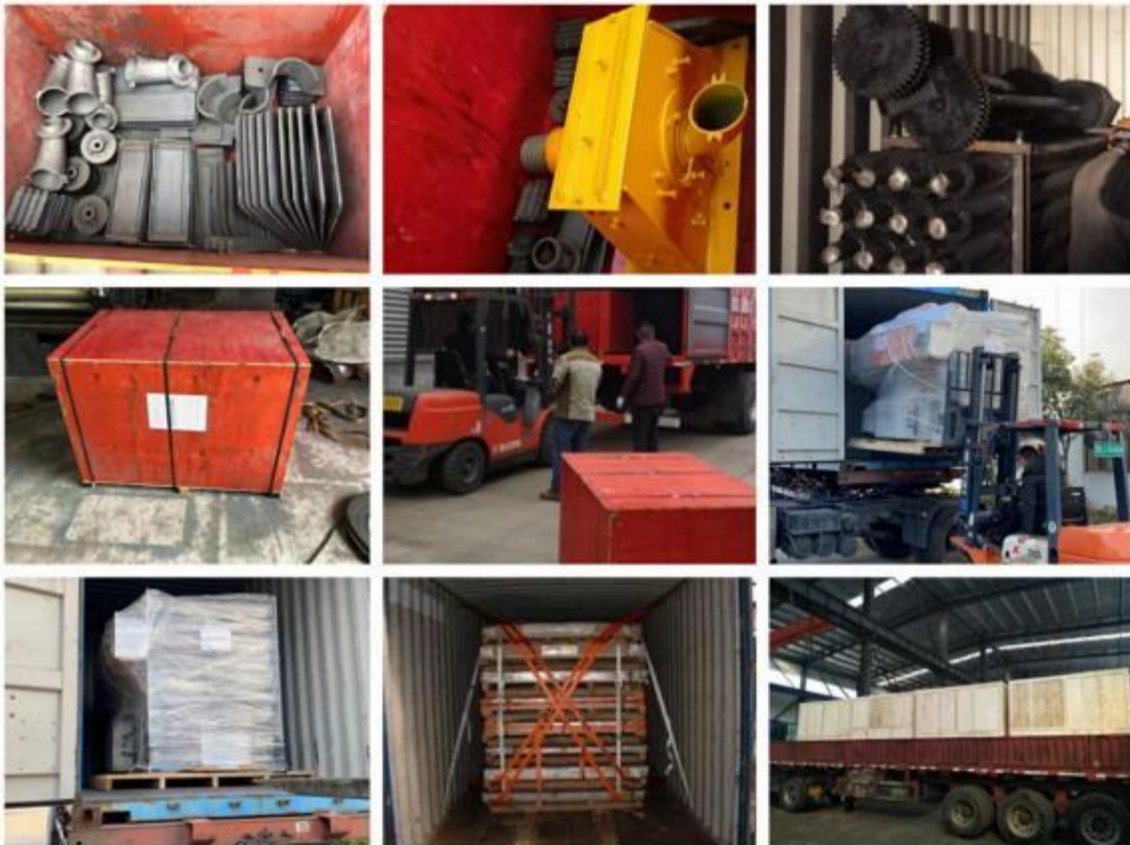


# After-sales Service

1. The warranty period of all our products is one year (except wearing parts), calculated from the date of acceptance. Warranty During the period, the Buyer shall use and maintain the equipment as specified in the randomized documentation provided by the Seller.
2. The seller will train 1-2 operators and maintenance personnel for the buyer during the product acceptance training period at no cost, and provide telephone technical consulting services for the buyer at no cost.
3. The seller maintains its equipment for life, and for equipment that exceeds the warranty period, the seller charges the appropriate repair costs.
4. Warranty period if the parts are damaged, since the replacement of the parts, and then recalculate the warranty period of the parts in the warranty period, not due to improper use of the buyer's reasons for damage to the electrical components, the seller to provide equipment maintenance and replacement of spare parts free of charge (except for wearing parts), receive the buyer's notification to give a reply in 4 hours, to the scene within 24 hours, within 48 hours to solve the problem.
5. After-sales service during the warranty period is the responsibility of the seller free of charge. The seller will give a written response to the buyer within 24 hours from the receipt of the service notice; the seller's engineer should go to the user's site for maintenance within 3 working days for the problems that the buyer can't solve by himself.
6. The seller's engineer shall provide free telephone and fax answers to the equipment faults that the buyer's maintenance personnel cannot solve by themselves outside the warranty period. The seller shall be responsible for the configuration and manufacturing quality of the equipment, and the whole machine shall comply with the relevant manufacturing standards and safety. The whole machine shall comply with the relevant manufacturing standards and safety and environmental protection requirements.
7. Order of accessories. Our company has a spare parts warehouse, long-term provision of spare parts and the corresponding after-sales service, the buyer in advance in the form of fax written notice to the seller, the seller to provide equipment accessories to ensure that the original genuine matching parts, the seller should reply to the buyer in a timely manner to the supply time, the cost of the situation, and in the receipt of the buyer of a valid payment voucher to ensure that the shipment in the 48 hours in order to ensure that the user to use.
8. The seller carries out after-sales tracking of the equipment once a month, conducts customer return visits, and promptly communicates and solves the buyer's problems in use.
9. The Buyer may complain directly to the Seller if it has opinions about the Seller's after-sales service personnel due to service quality or unreasonable charges, and the Seller shall reply within one working day!

## PACKAGING & SHIPPING

1. Small spare parts put in plywood wooden cases
2. Other parts is our company standard or according to customer requirements
3. Shipping: Container transport





## EVENT & SHOW

DX BLAST , attend the professional event & show of surface treatment as : **Gifa Düsseldorf in Germany** , Tube Arabia , Steel FAB in UAE , Saudi Build , Metal Expo in Moscow, Metal& steel in Saudi , Metalex , MTA HANOI in Vietnam , Fundiexpo in Mexico , Inometal in indonesia , PDMEX in Philippine .....



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