

# High pressure water jet cleaning technology application

--Paint removal



## CLASSICAL APPLICATION

- ✧ Automotive production coating workshop
- ✧ Hull surface maintenance
- ✧ Part surface removal and rust removal



## 1. Automobile production coating workshop

The cleaning of the skid, grille, machinery, and plant facilities in the automobile painting workshop is very important for the spraying effect of the car body. Otherwise, even the dust, paint and other pollutants that are invisible to the naked eye will cause the final spraying effect of the car body to appear. Defects such as granules, miscellaneous lacquers, oil holes, etc., cause double waste of body repair, direct cost and manufacturing costs. The cleaning of equipment such as sleds and grills in the paint shop is a necessary condition for ensuring the spraying effect of the body. Due to the particularity of the painting workshop, high-temperature paint cleaning attached to equipment and facilities has become an industry problem.

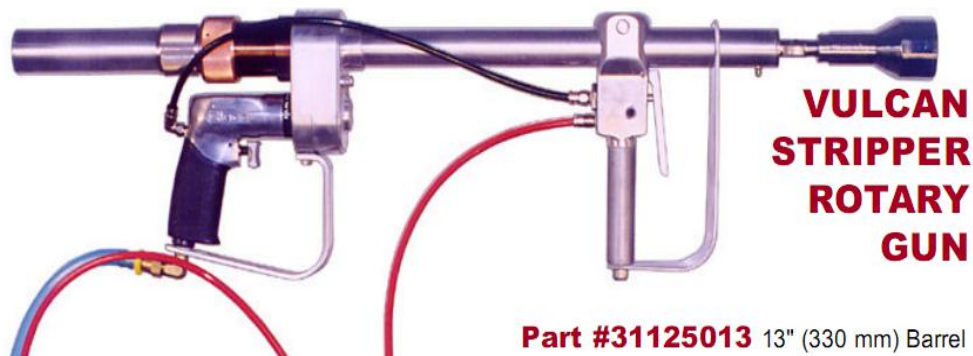
We recommend the use of high-pressure water jet removal technology to efficiently remove paint and scale, solve enterprise cleaning problems, improve spray quality, reduce end-of-life treatment, and reduce production costs.

Our solution is to use high-pressure water jet with a pressure of 280MPa and a flow rate of 15L/min to impact the high-temperature paint attached to the equipment and facilities, break the paint film, and continuously rinse to complete the work of removing paint and scale, and restore the grille and skid. The spreader and other original features, and no damage to the substrate, can be put back into use without trimming, the effect is perfect.

Best operation: Optional pneumatic rotary spray gun or rotary nozzle for jet cleaning, high efficiency and best cleaning effect.



Pneumatic rotary spray gun picture



40k overflow spray gun + rotating nozzle picture



## 2, Hull surface maintenance

The ship is exposed to water and microorganisms during long-term navigation, which will cause rust and attachment on the surface of the hull, damage the hull paint surface, cause damage to the hull, and increase the resistance of the ship during driving. Therefore, the paint removal and rust removal of the ship's hull, the removal of plankton adsorbed by the surface, shellfish, etc., are important processes for ship maintenance and maintenance, and put forward higher requirements for cleaning efficiency and quality.

The cleaning scope of ship maintenance mainly includes: plankton, residual paint film, rust stains, etc.

We recommend the use of high-pressure water jet removal technology to efficiently remove plankton, residual paint film, rust stains and other scales on the surface of the hull, solve the



problem of cleaning the enterprise, improve the quality of the hull maintenance spray, reduce the running resistance of the ship, and reduce the running cost. .

Our solution is to use high-pressure water jet with a pressure of 280MPa and a flow rate of 15L/min to impact plankton, residual paint film, rust stains, etc. attached to the surface of the hull, break the paint film, and continuously rinse to complete the work of removing all kinds of dirt and recover. The original surface of the hull has no damage to the hull and the effect is perfect.

Best operation: Optional pneumatic rotary spray gun or rotary nozzle for jet cleaning, high efficiency and best cleaning effect.

Typical cleaning objects are as follows:



### **3, The surface of the part is removed from paint and rust**

According to the requirements of enterprise equipment maintenance or civilized production, it is often necessary to carry out surface cleaning and renovation work of equipment parts. Under one circumstance, the residual paint and rust stain on the surface of the equipment parts are easy to fall off the lacquer surface, which directly affects the quality and appearance of the surface painting, resulting in double waste of paint and labor costs. Therefore, paint removal and rust removal have become a problem in the industry.

We recommend the use of high-pressure water jet cleaning technology, which can effectively remove paint, rust stains and other impurities, solve the problem of enterprise cleaning, improve the quality of spraying, reduce material and labor costs, and reduce production costs.

Our solution is to use high-pressure water jet with a pressure of 280MPa and a flow rate of



15L/min to impact the paint and rust stains attached to the surface of the equipment parts, break the paint film, and continuously rinse to complete the work of removing paint, rust stains and other scales. The original surface of the part has no damage to the substrate and the effect is perfect. Best operation: Optional pneumatic rotary spray gun or rotary nozzle for jet cleaning, high efficiency and best cleaning effect.

**Typical cleaning objects are as follows:**



#### 4, high pressure water jet cleaning equipment selection

At present, there are many manufacturers of high-pressure cleaning equipment in China, the market is fiercely competitive, and the product quality is also uneven. According to the needs of customers and the market, JMAKT has introduced high-pressure water jet cleaning equipment designed and manufactured by American GD Company, which fully meets equipment, parts, etc. Various surface paint removal and rust removal work is a good helper for enterprises. The specific parameter configuration is as follows:

Type Model: 8MGDC280-15E

#### 1, Applications



A shipyard in Singapore cleans the outer surface of the ship with two guns (28045)



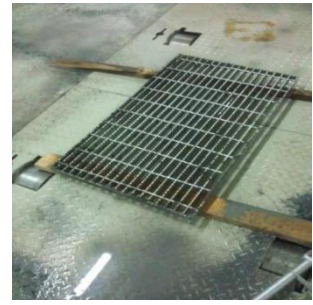
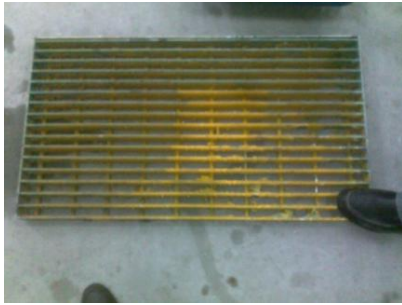
Repair the ship to be repaired (10040)

People's Liberation Army 71115 troops



Guangdong Foshan Foton Motor (28015)





Chongqing Changan Suzuki Automobile (14030)



Sichuan Guangyuan Zhongnuo 821 Factory (28015)



JmaKT (Beijing) Cleaning Equipment Ltd  
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