

Products



Blastriker Life Max Metal

Product Code BLLM-01 1 pc

Width : 30mm
Diameter : 70mm



Blastriker Adapter for Life Max

Product Code AD5A-01 1 set



Blastriker Slim Power Metal

Product Code BLSM-01 1 pc

Width : 10mm
Diameter : 90mm



Pneumatic tool

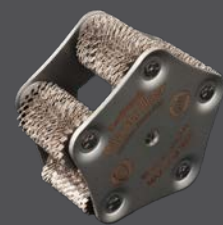
Product Code P1-3500 G 1 pc

Idling speed: 3,500 rpm
Idling air consumption: 0.5 m³ / min
Operating air pressure: 0.59 Mpa
Main unit weight: 1.1 kg



Dust vacuum nozzle for pneumatic tools

Product Code DNP1-01 1 set



Blastriker Life Max SUS

Product Code BLLS-01 1 pc

Width : 30mm
Diameter : 70mm



Screw and Washer For Life Max Adapter

Product Code AD5B-02 2 sets



Screw and Washer For Slim Power

Product Code AD5A-01 1 set



Power tool

*Currently under development.

Manufacturer

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Sole distributor



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Dealers

The Power of Blasting - In Your Hands

Blastriker

Evolmech



A New Choice and Future for
Surface Preparation

New solutions for surface preparation!

A hand tool that overturns common sense and leads you to a new frontier

Conventional blasting methods provide reliable surface treatment, but also have various problems, such as difficulty in handling, cost, burden on the surrounding environment (dust dispersion, noise, industrial waste), and worker safety. The Blastriker, a new hand tool from Evolmech, a company that incorporates feedback from construction sites into its products, solves these problems while ensuring surface treatment quality equivalent to that of the blast method. The Blastriker is easy to operate and can be used by anyone, allowing work to proceed quickly and safely. It is also cost-effective and can be used on a wide range of sites.

◆ Clean surfaces

The unique structure is the result of Evolmech's accumulated technology. By striking the work surface with a sharp blade, rust, paint, mill scale, and other substances are removed while simultaneously adding roughness (fine irregularities) to create a clean steel surface suitable for painting.

◆ Simplification of applicaiton

When treated with Blastriker, only the rust and the old paint film are disposed of as industrial waste. There is no need to install a large covering as with conventional blasting methods. The dispersal of dust is also reduced, minimizing the burden on the environment.

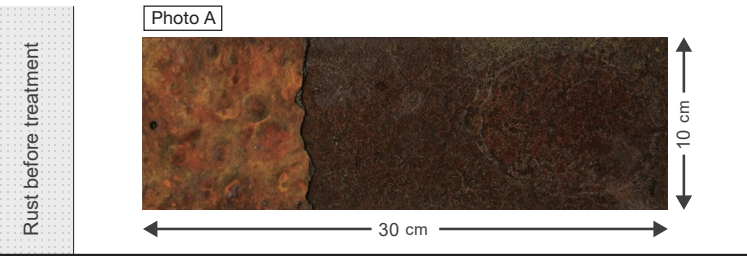
◆ High speed and excellent durability

Compared to conventional hand tools, the blade is eight times as durable and can be installed three times as fast, allowing work to be performed efficiently. In addition, Blastriker is made entirely of steel, making it easy to dispose of after use.

◆ Expandability of technology

Blastriker has the potential to be flexible in terms of the work area, the desired anchor profile, application to non-metallic surfaces, dust collection, and collaboration with your technology to make Blastriker even more suitable for your site or job.

Sound surface quality



[Condition of a rusted plate used to test Blastriker]

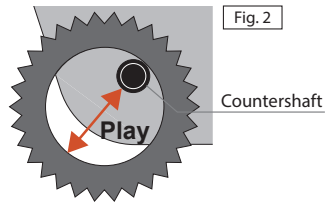
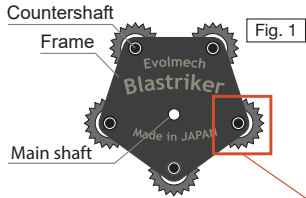
- Blasted steel plate sprayed with 3% saline solution every morning
- Exposed to the outdoors for 4 months
- The left side of Photo A shows layered rust.
- Rust thickness in the area where layer rust was removed: 400 μm to 600 μm
- The area treated by each tool is approximately 10 x 10 cm

Method	Blast surface forming power tool	Blasting	General purpose power tools
Treatment method	Blastriker	Sand blasting	Disk grinder #80
Surface after treatment			
Rz jis (μm)	37.8	25.4	4.8
Anchor profile			

▶ Point -1

Compatible with ISO Sa 2.5! Sharp blades form a clean anchor pattern

The Blastriker unit consists of a main shaft and multiple countershafts. (Fig. 1) Each countershaft is equipped with several thin steel plates (blades) in the shape of sharp saw blades, with play between the blades and the countershaft. (Fig. 2) By maximizing the centrifugal force of the countershaft blades while rotating the entire unit on the main shaft, the impact force is efficiently applied to rust and painted surfaces.



Item	Element	Unit	Blastriker
Surface Preparation Quality and efficiency	Blow energy*1	N・m	0.045
	Blow point	Location	5
	Number of blows*2	Times/sec.	19,000
	Part hardness*3	HRC	60
SDGs	Power Consumption	W	200

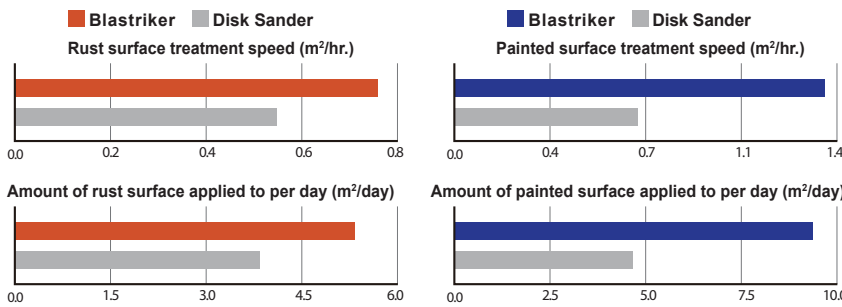
*1 Energy per blow point (striking force). Blow energy refers to when one blade hits the construction surface.
*2 Number of times a blow point is struck per striking surface.
*3 Rockwell hardness of the impacted material
Note: Based on in-house measurements.

▶ Point -2

Quick Surface Preparing in continuous 8-hour operation

Used continuously for more than 8 hours, it marks an average Rz jis 40 μm. It has stable roughness forming ability and can work smoothly without the hassle of having to change the disc. The processing speed of 1.34 m²/hr. for a coated plate, approximately twice that of a disk grinder, also helps to reduce the number of man-hours.*4

*4 Based on in-house test results
Note: The speed and amount of treatment are greatly affected by factors such as the rust thickness or paint thickness.



▶ Point -3

Contributes to excellent cost performance and shortened construction period!

Construction costs	Blastriker	Regular blasting method
Required equipment	● Our exclusive tools, Blastriker and generators	● 4t truck, air compressor, generator, blast machine, set of hoses, grinding materials, dust collector, dust collecting hose
Staff	● 1 person Easy to use and requires little preparation. Less scattering of dust allows for safe operation.	● 3 people One work staff and two follow-up staff. The work also requires preparation because of the need for protection against dust.
Construction location	○ Suitable for confined spaces and urban areas Handy size allows for use in tight spaces, even in urban areas where buildings are densely packed and the installation of coverings is difficult.	△ May be limited by the surrounding environment It may not be possible to carry out the work unless a location can be secured to bring in and install the blasting machine.