

# Portable water jet peening device

Realization of portable shot peening without danger of spark & dust and no shot dispersal

## Overview

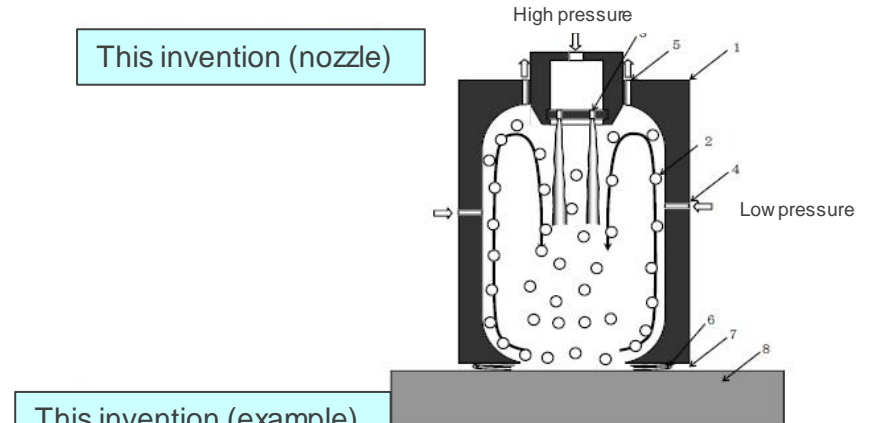
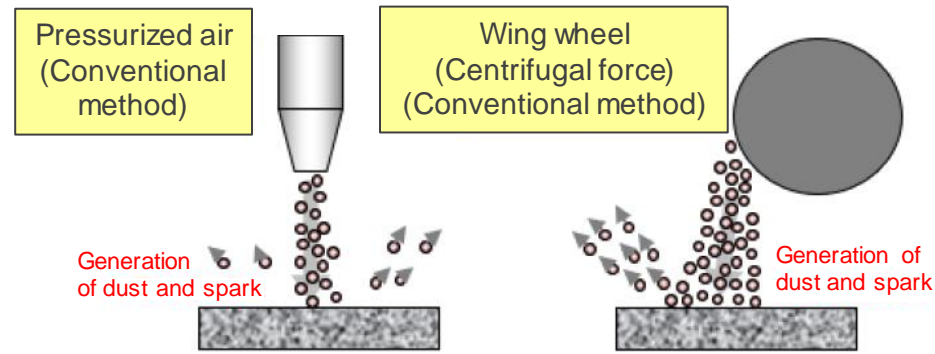
This invention is about a method for portable shot peening by placing a container with a shot at the peening area and by circulating / accelerating the shot in this container by one or plural water jets injection. Conventional shot peening in which shot is accelerated by air pressure, or ultrasonic peening in which shot is accelerated by ultrasonic transducer, cannot be used in an environment filled with water or requiring dust or explosion proof. Moreover, since shot peening is performed in air, there is a risk of dust and explosion. A method of accelerating the shot with a water jet has also been proposed, but as in air pressure case, the shot is accelerated by the water jet and then injected through a nozzle, so the nozzle wear cannot be avoided and a large number of shots are required. This invention prevents shot from scattering by confining them in a container. Also, the nozzle wear is limited due to the use of water flow, making it extremely safe.

## Product Application

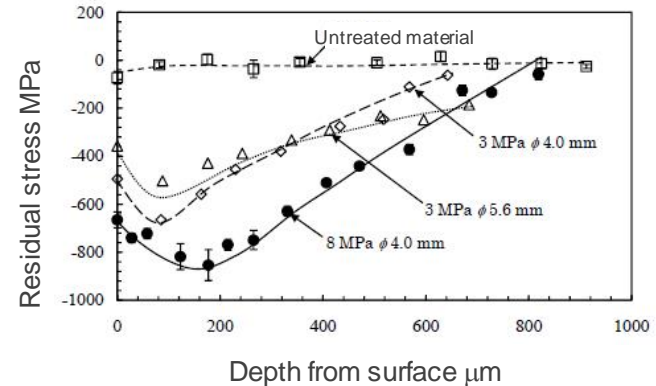
- Portable water shot peening device
- Portable water shot peening on-site processing service
- Portable water shot peening rental service

## IP Data

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This invention (example)



## Contact

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