

Wet Blast Machine for cemented carbide chips

6 x 12 mm Mini-velo Gun x 2

$\theta$ -axis Chuck Drive

Manual Loading & Unloading

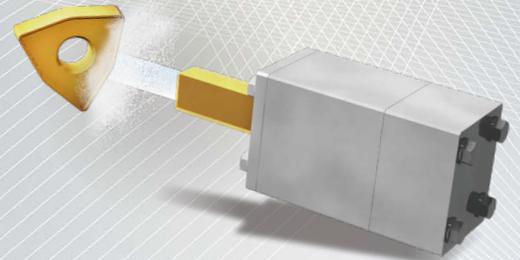
Automatic processing

XYZ Axis Transfer Type

Pallet Loading Type

# VD-W019

This wet blasting equipment is for cutting tools and processes each workpiece individually. The biggest feature is that it can achieve high-precision processing because the workpieces are handled individually and automatically processed one by one.



Also, unlike the similar device "RBI-203", it is possible to automatically control the ratio (K-value) when processing the cutting edge. The blast gun projection angle can be easily adjusted using the touch panel and dedicated controller, making it easy to obtain any desired cutting edge shape with high precision.

## Features

- Automatically performs everything from wet blasting, rinsing to pallet setting.
- High-precision automatic control of cutting edge shape (K-value) can be performed by only entering numerical values from the control panel.
- The operator's only task is to change pallets. Also, by doing simple setup changes, a wide variety of workpieces can be handled.
- An optional sludge collection unit automatically collects crushed abrasives and such. It supports stable production.

## Application example

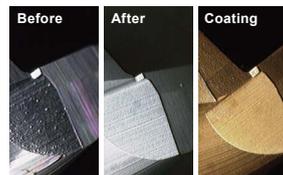
### Cutting edge honing

(Rounding cutting edge)



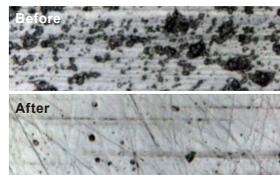
Removes the burrs at the edges that occurred during the manufacturing process, and round the end faces to prolong tool life.

### Coating pretreatment



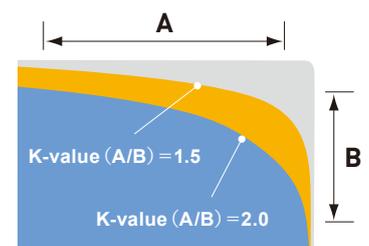
Scrapes the surface and removes various dirt to form a surface condition suitable for coating.

### Coating after treatment



Removes droplets generated by PVD such as ion plating and sputtering.

## K-value



Cross-sectional view of cutting edge shape

Our equipment allows precise control of the cutting edge ratio (K-value) between 1.0 and 2.0.

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**Main features**

<b>Dimensions</b>	1450(W) x 1425(D) x 1800(H)mm	<b>Power Consumption</b>	Approximately 2.5 kW (total of all equipment and rated power)
<b>Blast Gun</b>	6 x 12 mm Mini-velo Gun x 2	<b>Air Supply Pressure</b>	0.5 MPa-0.7 MPa
<b>Workpiece Sizes</b>	Inscribed circle: Approx. $\phi$ 12.7-25.4 mm / Thickness: Approx. 4-6 mm *Excluding tips without holes.	<b>Air Consumption</b>	1.6 m <sup>3</sup> /min (NTP, at 0.4 MPa of preset blast air pressure)
<b>Power Supply</b>	AC200V, 50/60 Hz, 3 phases	<b>Options</b>	Automatic Abrasive Supply Unit, Sludge Collection Unit, Drainage Unit

**Outline dimensional drawing**

