Wet Blast Machine for cemented carbide chips
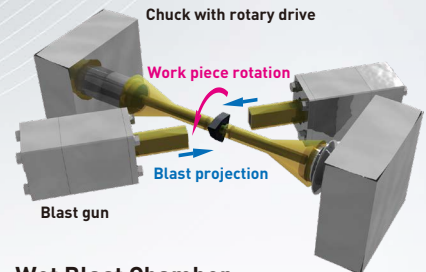
RBI-203

Mini-velo gun 6x12 | θ-axis chuck drive | Manual loading/Unloading

Automatic processing | XYZ axis transfer device | Use a loading pallet

Wet blast machine of semi-automatic processing cell which handles a cemented carbide chip (insert) individually and automatically processes one by one.

- **An operator only changes the pallet**
- **Suitable for various kinds of work piece with easy setup change**
- **Collected the scrap of work piece and crushed abrasive material to realize stable processing** * An optional sludge filtering unit is required.

Chuck with rotary drive
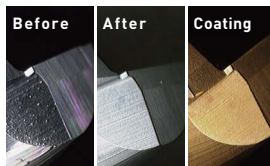
Work piece rotation

Blast projection

Blast gun

Wet Blast Chamber
Hold the work piece and blast it with a blast gun for aiming while rotating.

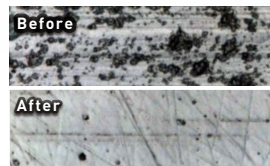## Application example

Before **After**

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.
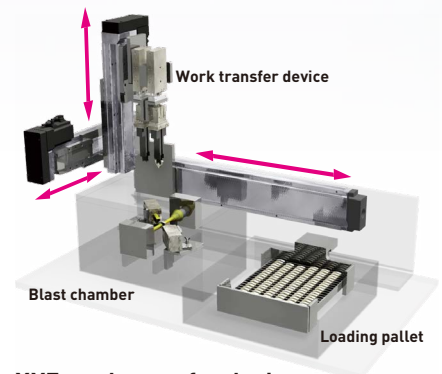
Before **After** **Coating**

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

Before

After

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

Work transfer device

Blast chamber

Loading pallet

XYZ work transfer device
Chuck the work piece in the pallet with the air chuck and automatically carry it to the blast room.

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Specifications

Dimensions	1200W ×1150D ×1800H mm
Blast gun	6×12 Mini-velo gun 2pcs.
Work piece	Inscribed circle φ6.35 - 25.4 mm Thickness 2.4 - 9.5 mm *Excluding holeless chips.*
Loading mass	Max. 50 kg
Air pressure	0.1 - 0.4 MPa

Power supply	AC200V, 50/60 Hz, 3-phase
Power consumption	Approx. 2.5 kW (Total rated apparent power of all equipment)
Power capacity	Approx. 5.2 kVA (Excl. incoming current)
Air supply pressure	0.5 MPa - 0.7 MPa
Air consumption	1.4 m^3/min (NTP, at blast air pressure 0.3 MPa)
Option	Sludge filtering unit

General View