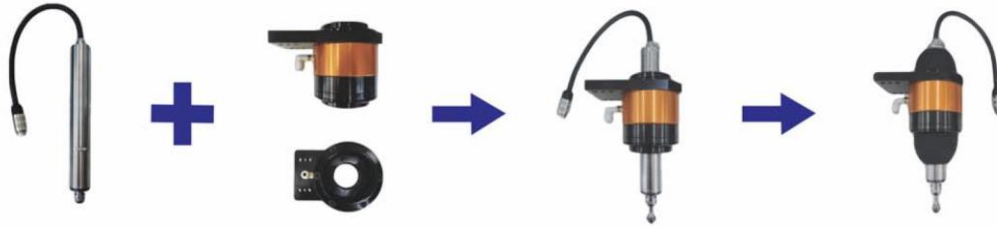




## AFT Floating edge deburring tool

AFT30 · AFT40



Ø30 spindle motor

AFT30 handle body

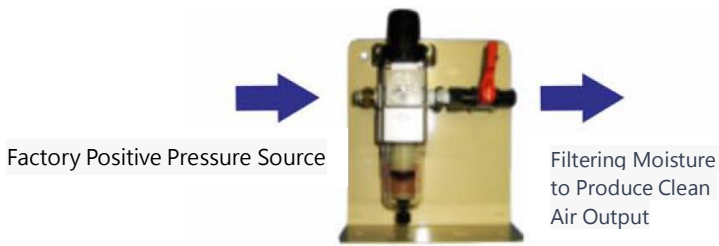
Install the spindle motor

Attach the dust cover to complete

### Introduction and Applications

- Maximum Speed: 19,000 rpm / Power: 130W
- Maximum tilt angle of 5°.
- The spindle direction is freely adjustable 360° with a 13mm range of motion.
- The Z-axis direction can be contracted by 8mm.
- The spindle can be selected and installed by the customer. A Ø30 spindle can be paired with an AFT30, while a Ø40 spindle can be paired with an AFT40.
- The floating force can be controlled via a pressure valve.
- Suitable for deburring various workpieces, and edge grinding can be performed using a robotic arm or dedicated machine.
- The characteristic of the AFT series deburring tool is that both radial and axial forces are generated by compressed air pressure, which can be adjusted.
- When using an electric air pressure regulator, the required air pressure can be adjusted during deburring operations.

## Water Filtration System



- The floating device's core requires clean air as its air source.
- If there is moisture in the positive pressure source, a filter must be used to prevent a reduction in the floating device's lifespan.

## Precision Pressure Regulator

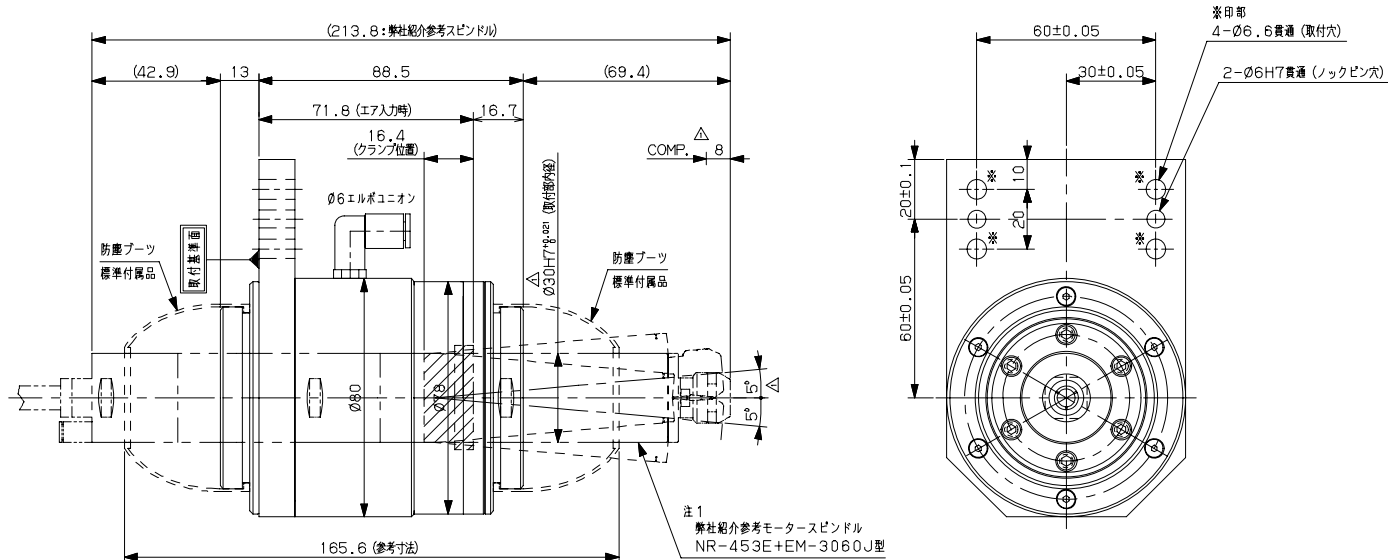


- When using the floating device, it can be paired with a precision pressure regulator.
- When installing the precision pressure regulator, please place it within 1 meter of the floating device.

## Things to Know Before Purchase

- This product is primarily used as an air-floating accessory for deburring.
- To use this product, the motor spindle, such as a deburring tool, must be connected to it.
- Customers can prepare their own electric or pneumatic spindles, or we can assist customers in selecting a spindle.
- This product can be installed in robotic systems and various specialized machines for edge milling, face milling, deburring in casting, end milling, and plastic molding deburring applications.
- Pneumatic devices require clean air. If the supplied air contains a significant amount of moisture, please use an air dryer. The air-floating device does not require lubrication, but if used with a spindle, the spindle may require a clean air supply with lubrication.

## Size



### ■ AFT30

L1	L2	L3	L4	L5	La	Lb	C1	C2	D <sub>-H7</sub>	M	N <sub>1</sub>	N <sub>2</sub>	Main Body Weight KG
88.5	71.8	16.7	16.4	165	213.8	83.1	78	80	30	60	80	120	1.52

### ■ AFT40

L1	L2	L3	L4	L5	La	Lb	C1	C2	D <sub>-H7</sub>	M	N <sub>1</sub>	N <sub>2</sub>	Main Body Weight KG
100	83	17	25	178	262.1	69.4	97	99	40	80	99	149.5	2.78