

# CHIP REMOVER

Automatic chip cleaning

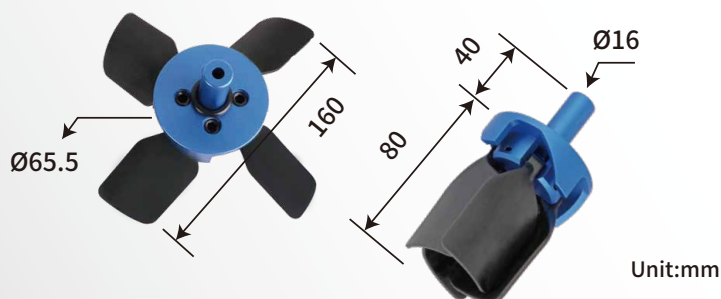
Center coolant through

Improve workplace safety

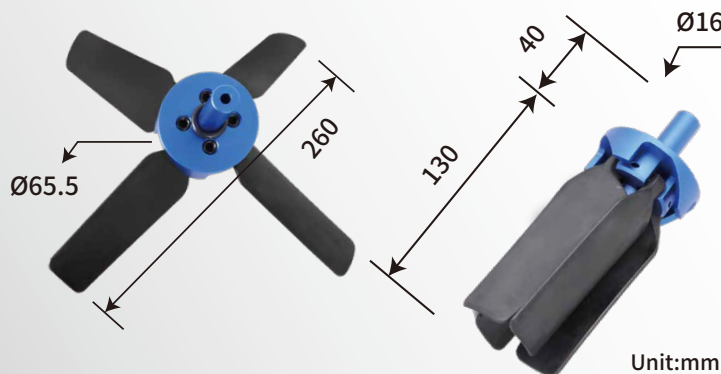


**Cleaning metal chips and coolant is no more a nightmare!**  
Automatic cleaning saves labor, time and improves workplace safety.

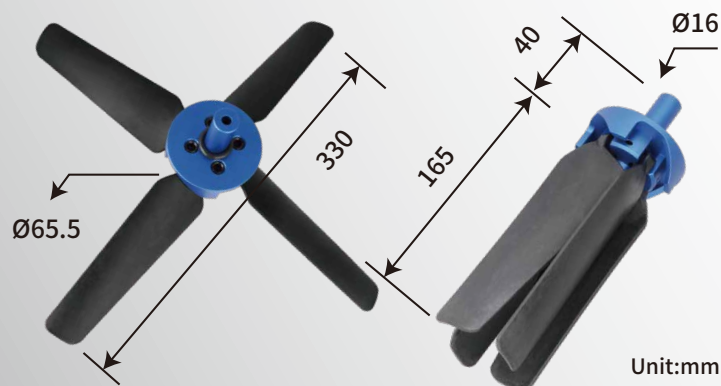
## ■ C16-CR168



## ■ C16-CR268



## ■ C16-CR338



|   |                          |
|---|--------------------------|
| Model No.   | 408-008-000              |
| Specification                                       | C16-CR168                |
| RPM recommendation                                  | Min. 7000 /Max. 12000rpm |
| Rotation Direction                                  | Clockwise                |
| Distance between open wings and metal chips & fluid | 100~150mm                |
| Feed rate recommendation                            | 1000~3000mm/min          |
| Net weight  | 0.18kg                   |

**Ideal for small machine with few chips and coolant.**

|   |                         |
|---|-------------------------|
| Model No.   | 408-008-001             |
| Specification                                       | C16-CR268               |
| RPM recommendation                                  | Min. 5000 /Max. 8000rpm |
| Rotation Direction                                  | Clockwise               |
| Distance between open wings and metal chips & fluid | 100~150mm               |
| Feed rate recommendation                            | 3000~15000mm/min        |
| Net weight  | 0.2kg                   |

**Ideal for medium machine with a large number and hard-to-remove metal chips.**

|   |                         |
|---|-------------------------|
| Model No.   | 408-008-002             |
| Specification                                       | C16-CR338               |
| RPM recommendation                                  | Min. 4000 /Max. 7000rpm |
| Rotation Direction                                  | Clockwise               |
| Distance between open wings and metal chips & fluid | 100~150mm               |
| Feed rate recommendation                            | 3000~15000mm/min        |
| Net weight  | 0.22kg                  |

**Ideal for big machine with a large number and hard-to-remove metal chips.**



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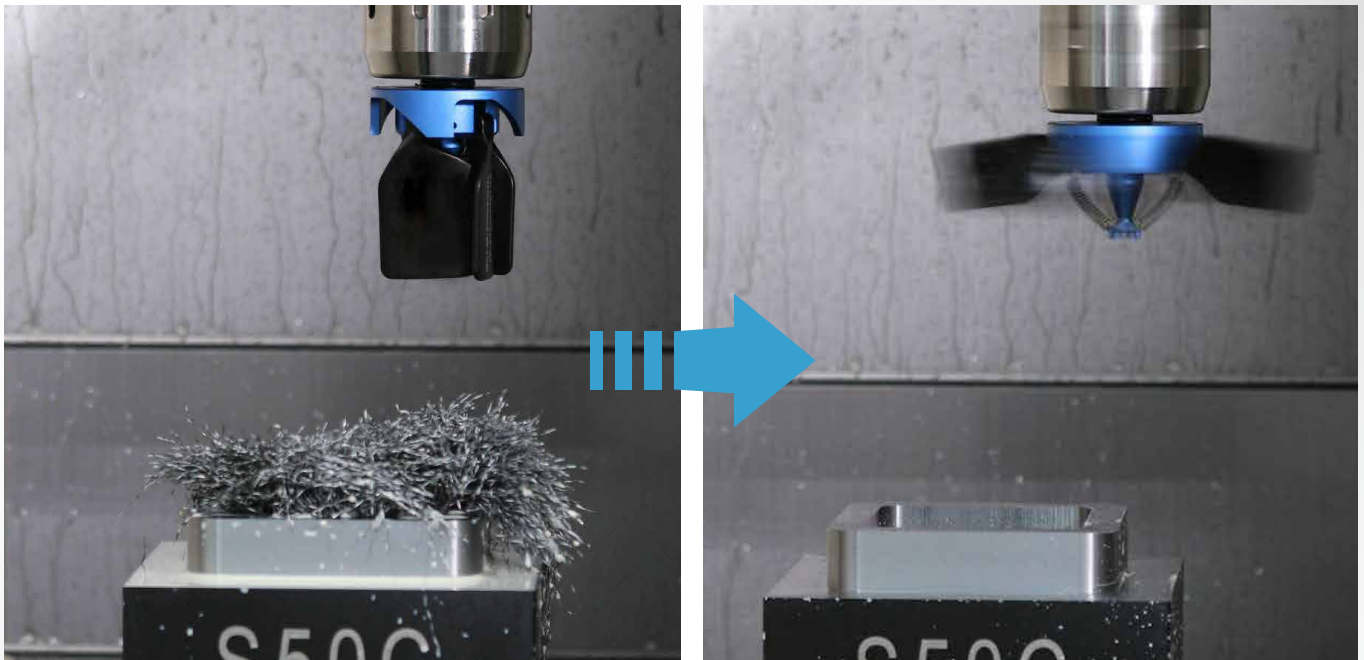
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# Before vs. After



- 1 Use with collet chucks, the shank is 16mm.
- 2 Suitable for vertical and horizontal machine centers.
- 3 Cleaning by automation saves labor, increases productivity and assures workplace safety.
- 4 Capable of center coolant through, removing metal chips and coolant effectively.
- 5 Pre-shipment inspections are performed to ensure product reliability.

## Caution!

- ▶ During operation, metal chips and coolant will be scattered, chip removers must be used in a completely closed and fully covered machine.
- ▶ Use center coolant supply only when chip remover stops rotating.
- ▶ Please strictly follow the revolution recommendation in Model specification table. Never exceed the limit of max. RPM.
- ▶ Please use suitable collets for clamping chip remover shank (16mm). Worn and damaged collets should be changed immediately to avoid hazard caused by defective clamping.
- ▶ The heights and diameters are varied from folded wings and open wings when chip remover is stopped and initiated. Please keep safe distance from the workpiece when the chip remover stops and rotates.
- ▶ To maintain the product functionality and safety do not disassemble, reassemble or modify chip remover.

