



Machine Vision in Focus



ROTARY WIPER

MONITOR
ASSESS
DETECT



Patent Pending

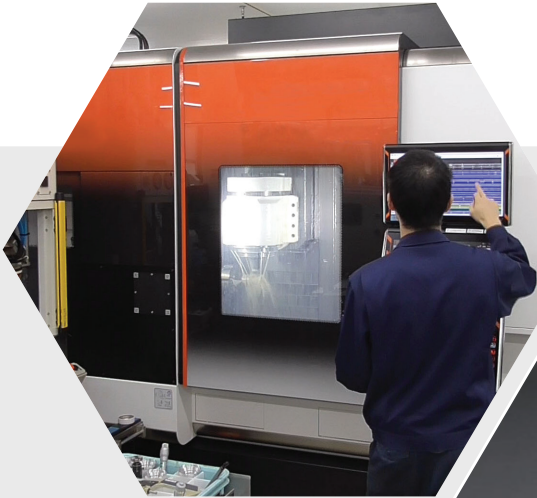
ROBUST WATER, RESIDUE & OIL RESISTANT VISION SYSTEM



Machine Vision in Focus

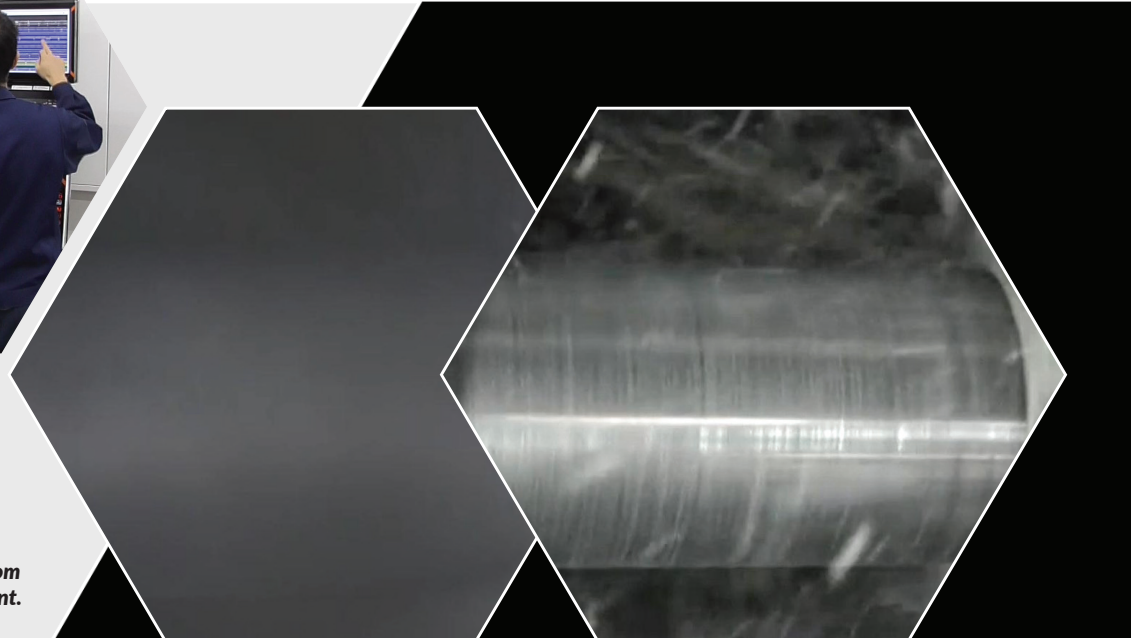
ROTARY WIPER

- **Easy Installation:** The Kowa rotary wiper camera unit is an all-in-one, self-contained vision system with housing, lens, camera, cabling, and software.
- **Enhanced Efficiency:** Maintains a clear view of manufacturing processes, reducing the need for frequent machine stops and minimizing delays.
- **Built-In Protection:** Designed to withstand harsh environmental conditions in machine tool manufacturing.
- **Consistent Clarity:** Rotary wiper technology prevents vision systems from becoming obstructed by residue and materials.



APPLICATION EXAMPLE: CNC MACHINES

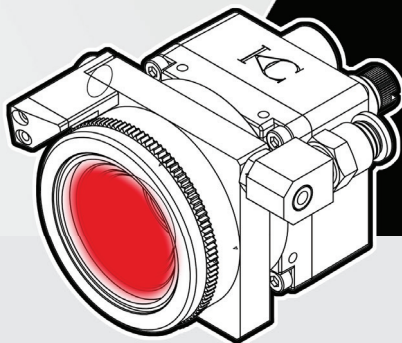
- > See blind spots usually undetectable from outside of the CNC machine environment.
- > Quickly detect possible manufacturing issues before they happen such as steel chip accumulation.
- > Monitor and assess manufacturing without the need to stop the CNC machine.



Monitored **WITHOUT** Rotary Wiper

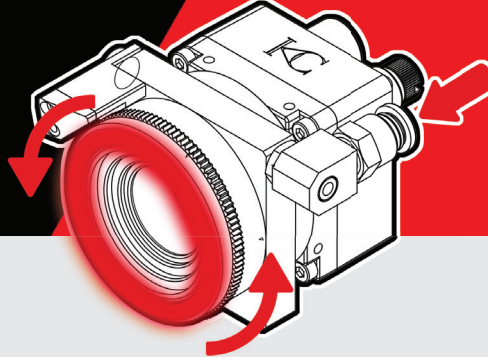
Monitored **WITH** Rotary Wiper

TRIPLE PROTECTION



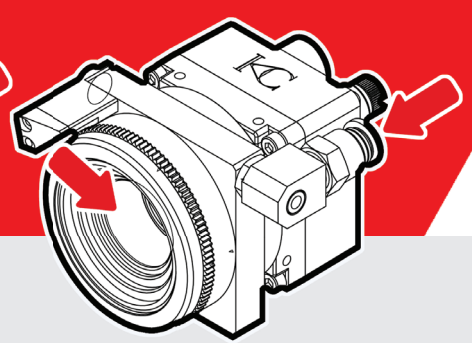
PROTECTIVE LENS COATING

Sapphire glass with Kowa's special water repellent coating resists scratches and repels moisture, oil, and residue.



HIGH SPEED ROTATION

Air-powered rotary wiper clears residue and materials for a consistently clear view.



AIR INJECTION

High-pressure air not only rotates the wiper but also assists in removing moisture and oil.

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