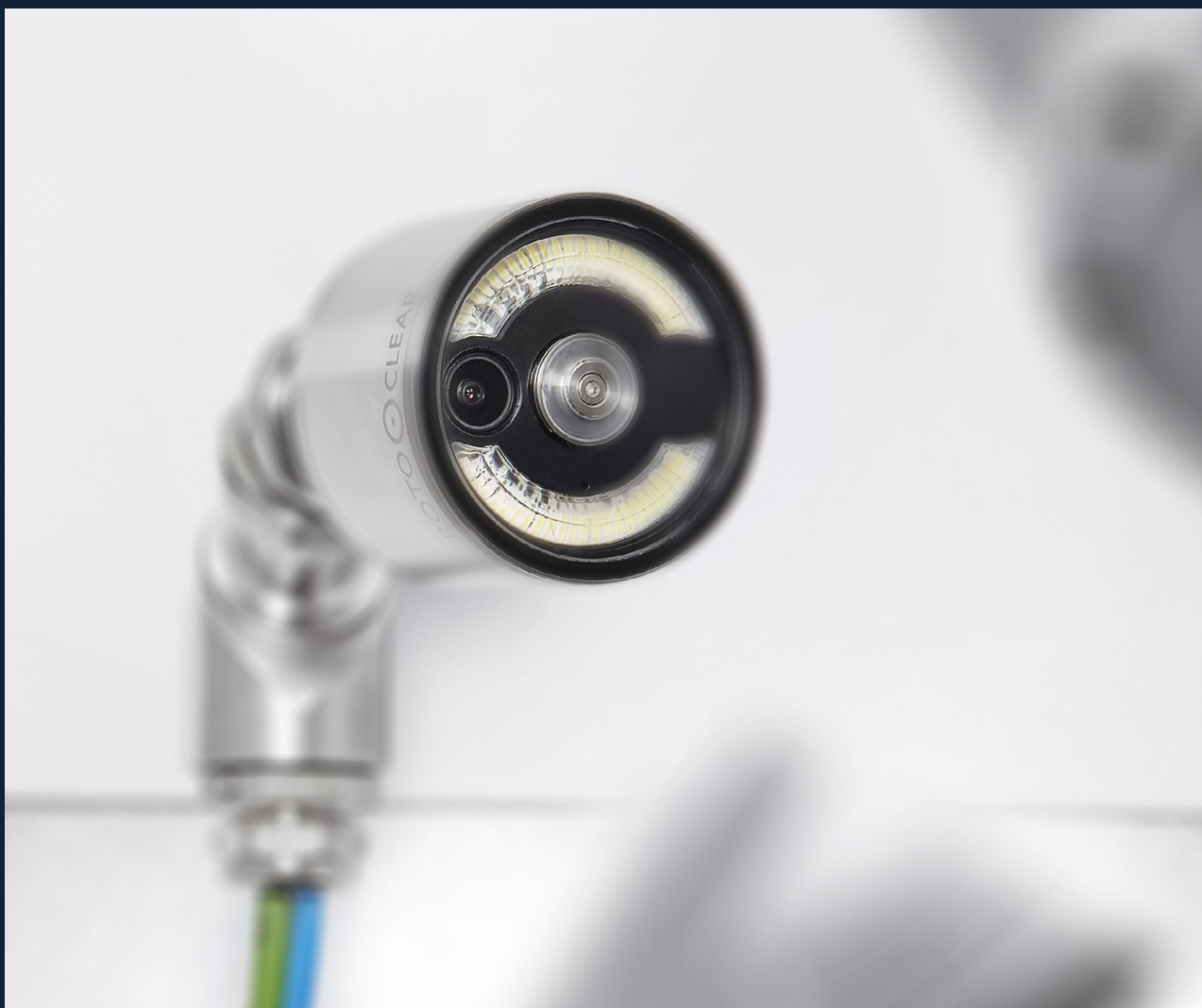


Rotoclear C Basic



Real-time insights in 4K

Keep a closer eye on your machining processes.



What is the RotoClear C Basic?



The Rotoclear C Basic is a robust camera system specially developed for the interior of CNC machines, which allows you to observe your machining processes in real time and in high resolution on a HDMI monitor.

→ Real-time control of production processes

The highly compact and durable camera head enables flexible positioning within the machine interior, providing insights in areas where the view would typically be obstructed by coolants or other elements in closed systems.

The camera system otherwise makes imperceptible processes visible in real time and thus ensures greater transparency, control and safety in production. In simpler terms, you now have the ability to monitor your CNC machining in 4K resolution at any given moment. This advancement offers newfound insights into the “black box” machine tool, furnishing valuable optical information that serves as an indispensable foundation for optimizing your production processes.

The features



Always a clear view

The high-speed spinning window in front of the camera lens always ensures a clear view of all machining processes, even in the presence of coolant and flying chips.



High-resolution images in real time

The camera head provides a high resolution of up to 4K at 60 frames per second. The high-quality image sensor also ensures exceptionally realistic image quality.



Very compact camera housing

The camera head of the Rotoclear C Basic impresses with its small size. This not only allows the camera head to be installed in many more places inside the machine, it's compact design also results in significantly fewer chip nests.



Consistently optimal lighting conditions

To observe details effectively, perfect lighting conditions are essential. Therefore, our camera head is equipped with premium light sources from Waldmann, specially developed for this purpose.



Flexible installation options

Wherever you want to place your camera, we provide numerous options for quick and easy installation in front of the wall or ceiling, we offer all the options for an individually optimized camera setup.



Intuitive zoom

The Rotoclear C Basic offers a digital zoom that can be intuitively operated using gestures. In this context, the high resolution of the images offers yet another advantage, that is even when zoomed in, you always get sharp images.



Alignment sensor for mobile installation

Currently, only the Rotoclear C2 and the Rotoclear C Basic offer you images directly from the perspective of the cutting tool. To enable this revolutionary perspective, we installed an alignment sensor. It detects the movement of the camera head and compensates for it.



Tight and robust construction

Our camera is significantly more robust and tighter than comparable products, even when the camera and sealing air are switched off. Simultaneously we guarantee that the camera will always be leak-proof when using sealing air, even under the toughest conditions. We refer to it as: The Rotoclear tightness guarantee.

Your entry into the camera world of Rotoclear

The Rotoclear C Basic serves as our cost-effective introduction to camera-supported monitoring of your machining processes. Unlike the Rotoclear C2, this is a pure real-time camera system, providing the capability to monitor and control your production process in real time.

If you also require features such as recording, sharing, marking, or detailed process analysis afterward, we recommend the Rotoclear C2 - the leading camera system for monitoring manufacturing processes.

Features	Rotoclear C Basic	Rotoclear C2
Perspectives	One perspective	Up to two perspectives
Connection options	HDMI	HDMI, USB, Ethernet, RTSP
Rotating window for a clear view	✓	✓
Top, Side or Tool View	✓	✓
4K resolution	✓	✓
Streaming	✓	✓
High performance lighting	✓	✓
Alignment sensor	✓	✓
Zoom	✓	✓
Intuitive user interface	✓	✓
Photo & video recording		✓
Tag events		✓
Media gallery with filter function		✓
Share recordings		✓
Remote insights		✓
Network capability		✓
Software updates		✓
API interface		✓

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