

# Visual Backup



Never again miss  
a crucial event!

Visual Backup, the new software feature of the RotoClear C2



Visual Backup is a new software feature that allows the recording of your machining processes. It also functions as a video surveillance system in which it continuously records all machine processes and stores the video files for a defined period.

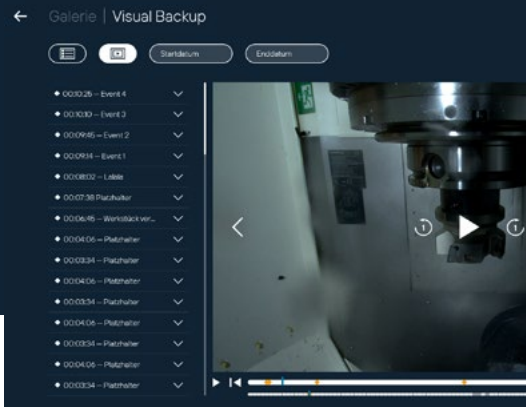
→ Document your processes and continuously monitor them

With Visual Backup, you can monitor all processes inside your machine tool in real-time and perform visual analyses of past events.

# What is the Visual Backup?



# The functionalities



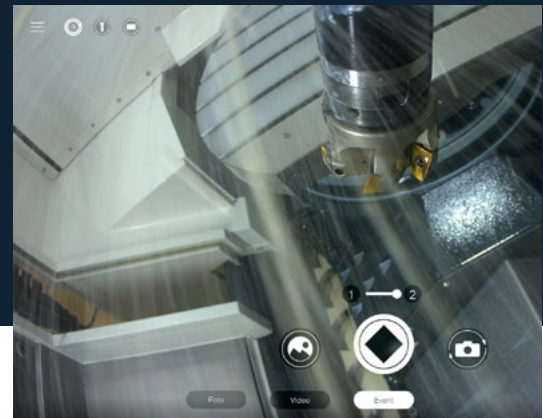
## Looking into the past: The key to process improvements

With Visual Backup, the recorded processes can provide more detailed information than the standard text notification of an error. These recorded videos can then be shared with other team members for analyses.

Whether you wish to analyze errors, determine the causes of them, or define corrective measures for future preventive solutions, Visual Backup can assist you in accomplishing these goals. With its ability to help you identify positive machining scenarios, you can transfer lessons-learned to other relevant points in your processes.

### → Analyze, for example:

- ... why the machining process was cancelled
- ... why your tool was damaged
- ... why the machined part exhibits surface damage
- ... and much more.



## Focusing on the essential: Tag crucial events

We have integrated the option of tagging certain points in the recording process with tags, thereby freeing you up from having to watch the entire video. These tags can then be annotated for your reference.

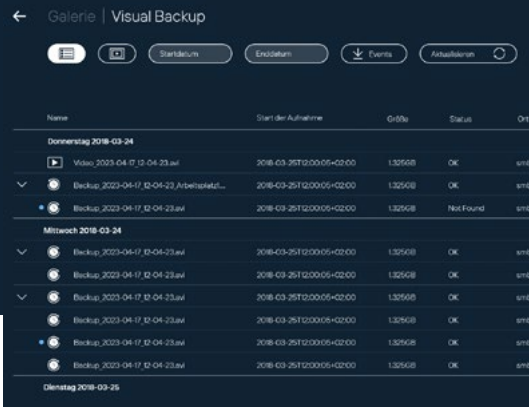
Tagging certain points can even be accomplished during the machining process which can then be reviewed later. Another outstanding feature of Visual Backup is that the recording around the tagged events is automatically saved and excluded from the auto-deletion function.

### → Some examples of when you can tag an event:

- ... discovery of irregularities in the process
- ... hear an unusual noise
- ... and much more.

Note: Visual Basic can also be used to tag a time-point within the recording where you have a better idea on how to improve the machining process.

The recording footage around this tag is then saved and can be viewed and analyzed at a different time.



```

rotoclear_ip = "192.168.214.221"
rotoclear_api_port = "7000"
my_api_token = "01092019"

roc runProcess() { .async. } =
# create connection
let conn = await newWebSocket("&#x2F;&#x2F;rotoclear_ip:&#x2F;&#x2F;rotoclear_api_port")

# get info from API
var message = %*{
  "token": my_api_token,
  "info": ["lamp1_light", "lamp1_exists"]}
    
```

Out with cluttered data:  
In with smart deletion intervals!

Visual Backup's smart delete function, along with its configurable intervals, enables continuous recording without generating large volumes of data.

Outdated and unwanted files are automatically deleted according to the configured intervals while all tagged events are preserved.

With its intuitive gallery listing, Visual Backup provides you with an easy and understandable overview of the recordings.

Visual Backup's API – The preferred solution for integrating your machine data for automated documentation of events

The Rotoclear C2 API is used to integrate machine process states (e.g., tool change) or MDE data into the camera system. This integration enables the system to automatically place and name tags in the recordings.

As a result, the selected process states or alert notifications are automatically marked and documented in the videos without any additional input from your side.

→ Possible scenarios of when the system can automatically tag an event using API:

- ... when a MDE system sends a certain error alert (e.g., damaged tool) via the API
- ... when you want to analyze defined sequences (e.g., tool or workpiece change e.)
- ... and much more

Note: In order to utilize the automatic tag setting function, your C2 camera system must be linked to your machine via API.

For more information about  
Visual Backup and Rotoclear's  
C2 camera system, please  
contact us.

We are looking forward to your inquiries.

→ [www.rotoclear.com/c2](http://www.rotoclear.com/c2)

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