

Video Assistance System “Replay”

Standard in all Wittmann robots with R9 control system. The video assistance system records up to the last 100 seconds of a cycle at a precision of 4 ms. The “Replay” feature records all changes in positions, in/out points, counter, teach commands and all other values relevant to the operation.

An example of a practical application could be the standstill of a robot for unknown reasons – with the option to retrieve a visualization of the incident on the TeachBox for fault analysis. When the robot standstill occurs, the data recording is discontinued, and the preceding 100 seconds are now available for analysis. A time controller installed on the TeachBox makes it possible to define a point in time within the displayed sequence. This controller can be shifted in both directions as desired, in order to examine in detail and repeatedly critical changes of status which have occurred.

The video assistant makes it much easier to detect causes of issues and supports the operator’s efforts to prevent a repetition of similar incidents. Consequently, it contributes to increasing the uptime of every R9 robot – and thus the efficiency in production.

