Do you still clamp electrodes and workpieces and align them manually? Do you achieve a maximum of 1000 erosion hours per year and thus tie down a specialist completely?

Eroding, manual alignments and measurement on an EDM machine means longer machine downtime, long setup times, inaccurate results and inefficient processes.

Automate the processes and workflows step-by-step by upgrading your existing EDM machine.

1.000h production time per year

1.800h production time per year

5.600h production time per year

One essential rationalization step is the use of a measuring machine and the corresponding software. The presetting of the electrodes can be performed easily with the determined values.

Step 1

Measuring machine and program with graphic user guidance

Step 2

Automatic electrode changer Standard EDM machine with additional electrode changer.

Step 3

Job manager A job manager controls all processes, regulates the control and monitors the EDM cell.

Step 4

Automatic parts identification The parts identification (ID) ensures a unique assignment and selection of the parts marked with the chips.

Step 5

This process step unites all aspects into a self-sustaining and efficient overall system: the automated EDM cell. As an option, a robot also can be used for the parts handling.

Standard EDM machine with zero-point clamping system

Automated EDM cell and process control system

Robot loading

ZEISS CMM with ZEISS CALYPSO PRESET

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