



Presetting with ZEISS CALYPSO

Flexible production systems
in tool manufacture and mold making



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PR

PRESET

Erosion electrodes

The ZEISS CALYPSO module PRESET allows you to preset your electrodes and workpieces quickly and reliably.

You will benefit not only from shorter machine setup times, but also from greater accuracy.

From manual pallet placement right up to the fully automated process control system, the PRESET erosion module lets you measure offset and rotation when exchanging erosion electrodes in a matter of minutes. PRESET offers a collection of all standard measurement plans. The graphic user guidance helps you configure the measuring run. CNC extensions are available for square and round basic geometries.

Your benefits at a glance:

- 90% reduction in machine setup times
- Increase in aligning accuracy
- Cost and time savings
- Increase in machine running times from around 2,000 to 6,000 hours per machine a year
- Unmanned production: practically no manual activities in production - for increased global competitiveness!
- Enables 24/7 production

What PRESET can do

PRESET is used to preset and check the quality of electrodes and workpieces. First of all, the zero point is set on the clamping system. You can then select a macro and probe the electrode as well as the workpiece. You can generate your own macros in the macro library without difficulty. In the following step a file featuring the offset data is available, which can then be either directly exported or transferred to job manager software.

The job manager software initiates the measurement, receives the offset data and sends the data to the production systems. PRESET is compatible with job manager software from Zimmer & Kreim, System 3R, Röders and CERTA, among others. In addition, PRESET can read in all standard CAD formats.



Export of offset data: supports all relevant manufacturer-specific formats

- Charmilles
- Mitsubishi
- Zimmer & Kreim
- SGL
- Hansen
- AEG
- Makino
- AGIE Data Catalogue
- Maho-Hansen
- Ingersoll
- Walter
- FEHLMANN VERSA 825
- Maegerle Fixture
- Mazak Mazatrol Matrix Nexus 2
- AEG Elotherm
- Exeron
- DMG MORI
- AGIE Vision
- Hermle
- Erowa
- System 3R
- Micron
- Sodick
- Digma
- CERTA (Zwicker)
- ROBOCUT a-CiA series
- Maegerle Grinding
- Röders

Is the format you need not included? Then simply send us the following information via info.metrology.de@zeiss.com. We will answer your inquiry as quickly as possible.

- What job manager software and / or production machine do you want to connect?
- What measuring machine and what CAD format do you use?
- Do you also want to evaluate curves and freeforms?

ZEISS CALYPSO

At a glance

Standard geometries



CY

ZEISS CALYPSO

Universal metrology software
focused on
standard geometries

Options for ZEISS CALYPSO

CU

CURVE

Evaluate curves

CAD

CAD import

CAD import options

FR

FREEFORM

Evaluate freeform surfaces

DMIS

DMIS

DMIS import and
DMIS export

PCM

PCM

Parts families

QA

qs-STAT

Export for qs-STAT

PL

PLANNER

Generate measurement
plans off-line

PR

PRESET

Erosion electrodes

FACS

FACS

Measure random samples

PTI

PTI

Polygon clamping devices

FA

BASIC AUTOMATION

Standard automation

BL

BLADE PRO

Turbine blades

GE

GEAR PRO

Gear metrology

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