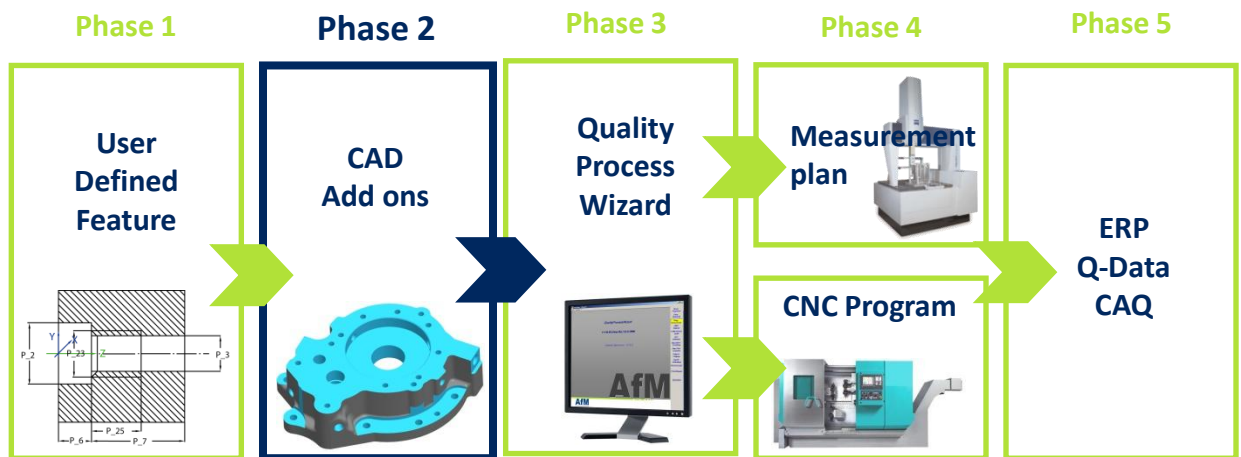


CAD-Add ons

Tools for the structured, complete generation and transmittance of UDF information.



Level of the technology

The designer can use the normal procedure for creating User Defined Features (UDF) offered by their CAD system. The possibilities in respect to the comfort of data input are limited.

The UDF designation will be randomly created from the system and can therefore not be used for any subsequent processes. The information within in the UDF exists only in the volume model and cannot be separately exported.

Innovation

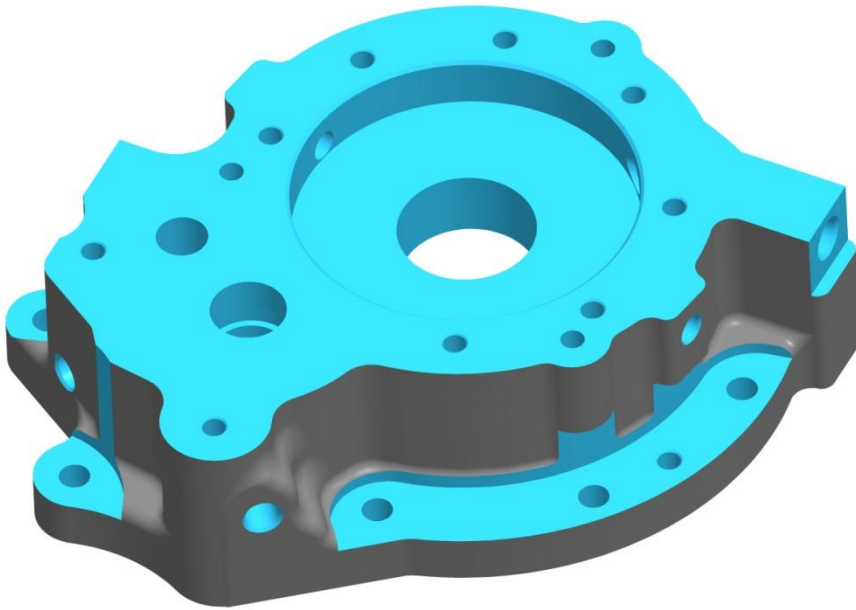
AfM offers function add ons for the leading CAD systems, which provide a significant optimisation of the subsequent processes. A comprehensive library of practice-proven UDFs and comfortable input masks

can be integrated into existing CAD systems, and where necessary expanded upon. A customer specific issuing of “stamped numbers” for UDFs as well as the random customisation of the UDF contents is possible.

All information held within the UDF can be exported in a structured form over a xml interface.

This provides the basis for the optimisation of the subsequent processes:

- Preparation of 2D drawings can be eliminated
- Quick assessment of production costs
- Automated creation of CNC programs for machine tools and coordinate measuring devices
- Automated process planning



xml interfaces are available for:

- NX from Unigraphics/Siemens
- Pro/Engineer from PTC
- CATIA V5 from Dassault (in development)
- SOLID WORKS (in planning)

Further formats

- Manual input by operator
- Graphical interactive input by operator
- FuBIT
- ASCII, Excel (customer specific)

Output formats

- NC-Program for machine tools
- CALYPSO from Carl Zeiss IMT
- UMESS-UX from Carl Zeiss IMT
- Further formats upon inquiry

Your advantages

- Standardised, customer specific expandable UDF library
- Comfortable UDF input masks
- Universal, customer specific expandable UDF parameter lists
- Customer specific numbering in CAD system
- Standardised export interface (.xml)

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