## GIBcam.Info

## GIBcam v2022.B1180



With GIBcam v2022 (Build 1180-1600) a new release is available. As usual, this is provided as a service pack installation kit via the integrated update assistant step by step for the various GIBcam packages and platforms. For users who want to install the new release in parallel with the previous version, a full setup kit will be available for individual download in the GIBcam.Cloud in a few days.

With the new release, extensive changes to the data structure take effect. This has an impact on all GIBcam data formats. The complete upward compatibility of all data from GIBcam v2021 is ensured. In order to be able to process data from GIBcam v2022 in previous versions if required, an SPA for GIBcam v2021 (Build 1174-1580) is available at the same time, which should first be installed and put into operation.

These extensive changes to the data structure are the preparation for planned changes to the content of the next development stage. For this reason, the list of changes will be omitted here for the time being. All essential content-related function extensions were already included and described in the last ServicePack for GIBcam v2021 (Build 1174, as of 12/2021). However, all substantial changes and corrections that the published SPA's contained are of course also observed.

With the new GIBcam release, a separate INTERFACE ServicePack (Build 1180i) is available for all users with an INTERFACE licence for direct data import of 3D CAD data (CATIA, NX, CREO, SW, SE, ...). This also contains all necessary licence updates for expiring annual licences. For users who use a network floating licence for their INTERFACE data interface, the additional notes according to the documentation apply (-> Update -> Notes Update FlexLM-/FlexNET-Licence).



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Since the changes to the data format also affect GIBcam system data stored in the internal format, such as tool lists (WZL), initialisation data (GSD) and post-processor definition data (GPP), it is **recommended to create a separate backup** for this data. (These changes have no effect on files that are stored in a neutral or external format, such as print templates, colour code tables, diameter tables, etc.).

In this context, the note regarding integrated machine data/components from the information on ServicePack B1174 should be referred to again:

... for machine data stored via postprocessor extension (e.g. for the functions for spindle head collision control or for machine room collision consideration based on an integrated machine) a number of optimisations have been implemented that result in faster data provision

-> Users who use one of the two functions and have the corresponding machine data can contact us - we will then check whether optimisation is possible or necessary, or whether optimised data can be provided.!

## • Important changes, notes and details:

- the procedure for the calculation of the actual state or for the material removal analysis from feature or milling path information has been reworked - this prevents, among other things, the mixing of different states as the initial state
  only a completely closed state is permissible as the default for the calculation of a multi-axis machining operation
- the takeover of actual conditions for an removal analysis from external data (e.g. STL data) is now only carried out with restrictions the calculation accuracy was also adjusted for this in order to empirically/pragmatically circumvent effects from uncertain initial data
- the result of a removal calculation can optionally be listed in the EL under the predefined substructure RESULT:STOCK - without effect on the process if the substructure LIST:STOCK exists
- note: Instructions/results of the background calculation for GIBcam CMD v2021 are not transferable and must be processed in the respective release status stored, temporary project data are also discarded.
- Integration of the latest NVIDIA API for NVIDA GEFORCE drivers as of 500.x
- new SENTINEL driver version 8.3\* ff. -> users who use the network floating license mode have to update the driver software on the workstations/clients and the license server using the known installation routine HASPDINST (-> after installation of the ServicePack in the GIBcam program directory in packed form in SENTINEL\_V831.RAR or alternatively for download on the GIBcam.server) ... this update also includes a newer version of the ACC with extended setting options, among other things
- Feature match: for the evaluation pattern 'air duct' extensions were made on the basis of current example data



- the conversion of T-slot milling tools into form contour tools was not fully covered
- various adjustments for smooth STEP data import based on current problem cases (e.g. handling of nonsensical torus surfaces, automatic best possible adjustment of incorrect boundary curve parameterisation)
- The calculation and analysis of borehole crossing has been extended in detail and the interactive function has been revised (see notes in the status line for calling up the sub-functions using function keys).
- editing a parameter value with a negative sign for the distance of a feature element is prevented -> negative distance values are not permitted!
- the limination of existing layer names when increasing the number of layers in the layer selection dialogue has been corrected.
- the calculation result when limiting a feature element at a parallel geometry was sorted out
- if a partial geometry is incompletely extracted (e.g. electrode generation) due to an inadmissible trimming curve, no further enveloping surface geometry is generated a hint is displayed
- when the <Tools:Edit> function is called up together with the "magic key", the procedure for creating a new tool list file is called up immediately
- Note on the new Windows 11:

At present, the current release of GIBcam (affects all package and platform variants) does not support Microsoft Windows 11 - runnability is not guaranteed! The far-reaching system requirements for Windows 11 are also not yet supported in the GIBcam platforms. There are currently no concrete plans as to when Microsoft Windows 11 will be usable with GIBcam.

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[The availability of the individual functions depends on the range of functions of the GIBcam basic package and any additionally licensed components.]

