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[Quindos 7](#)

Release Notes

V7.01.7362

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Release Date

28. December 2007

System Requirements

Operating System

- Windows XP Professional, incl. SP2 (Recommended)
- Windows Vista Ultimate 32Bit (on request)

Hardware

Processor	Minimum	2x 2,0 GHz
	Recommended	2x 2,4 GHz
Hard Drive	Minimum	80 GB
	Recommended	160 GB
Memory	Minimum	2 GB
	Recommended	4 GB
Video Card	Minimum	128MB (nVidia Quadro FX550)
	Recommended	256MB (nVidia Quadro FX 3450)
Network Card	Minimum	2x (1x onboard, 1x PCI)
Monitor	Minimum	19" (1280 x 1024)
	Recommended	20" (1600 x 1200)

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New Features

Basic Program

- New Argument **NDB = Y/[N]** in the following commands (Load/Save LDB including NDB)
 - MainMenuSave
 - SAVE
 - LOAD
 - MainMenuLoad
- A new evaluation symbol FFORM supports line tolerances
The value in the evaluation is calculated as $2 * \max(\text{abs}(\langle \$D \rangle), \text{abs}(\langle \$E \rangle))$ of the element
- New commands **KeepChs, KeepObj**
 - Disable deletion of object when executing a CLEANUP command or when CLEANUP is enabled
- Command **StartReport**
 - 2 new arguments EDT(STR) and UPT(STR)
- Command **TSSPHTST**
 - 1 new argument PEN(REA)
- Command **VerifyToolCol**

- 1 new argument UPL(STR)
- Command **CreateToolCol**
 - 2 new arguments SNA(NAM), UPL(STR)
- Command **EditToolCol**
 - 2 arguments removed UPL(STR), VFY(STR)
- Commands **LOAD, MainMenuLoad, RUN, StartRUN, MainMenuRun, CALL**
 - New argument NDG(STR)
- Boo:A = IsExecutable(MECIR) returns true if command MECIR is executable

User Interface

- ComboBox – PopupList (right mouse button), respect the sequence of selection now (#7250)
- TextBox, property **OnlyUppercase** added (#7250)
- Using AltDown when clicking the MainMenu-RUN button will display the FileSelectDialog

Options

Camshaft

- Command **CALCSTK**
 - New Argument CIR(NAM)

CAD Basic

- The command **CadLoadModel** has new arguments **FIL** and **INA**
 - FIL means the name of the Cad-file. If a filename already exists in the model description, it is replaced
 - INA = N effects, that there is no interactive request if the filename is not found
- New command **CadLineFromView** (save auxiliary lines from CAD View)
- New command **CadPtsFromView** (save auxiliary points from CAD View)
- Beim Erzeugen von Punkten auf Helix auf Zylinder kann wahlweise die Steigungshöhe, die Gesamthöhe, Anzahl der Umläufe, Winkelschritte, die Anzahl der Punkte, Start/Endwinkel eingegeben werden. Bei Generierung von Kreisen entspricht die Steigungshöhe dem Abstand zwischen den Kreisen

Improvements

Basic Program

- Output of DUMP can be directed to InfoBox or File (...FNA=<FileName>,...) or text element (...TXT=<TextName>, ...)
- The HSS point type in the NPT list is now compatible to Quindos 6 and can again be used in GENSCACIR, ...
- The content of the status variable Always\$UseCad is now the default for the CAD argument in all commands supporting CAD = ...
- The CopyFile command now supports wildcards
CopyFile (FRM= C:\Quindos7Lib/*.* , TO=C:/Temp/) will copy all files in C:\Quindos7Lib/ to C:\Temp\
- EDIT has an additional argument **LYI** that controls the layout. It is used in EDTAPT only. If in this case a special layout is required, then the argument must be LYI=-2
- A new Status variable **AutoSaveInterval** has been introduced to save the LDB in defined intervals.
The interval is specified in minutes.
Using SET AutosaveInterval ,,10 will set the interval to 10 minutes.
The status variable will be checked only when Quindos starts.
- **RMVIFMTH** add new keyword **HWD** to remove the lines if the content of **MTH** matches exactly

User Interface

- Some further dialogs now with SVGs
- Some commands now in MainCmdTree
- Support FileSelectDialog from StartPage in LOAD, RUN and CALL commands NDG=Y/[N]
 - NDG=Y will show the StartPage FileDialog
 - NDG=N shows the standard FileOpenDialog
- The Quindos6 compatible masks now support Drag&Drop
- **ShowPicAndText** terminates when pressing execute key

Options

2D Gauging and Constant Velocity Joints

- **GAUG2D** and **GAUG2DE** now support CAD argument

CAD Basic

- Points on auxiliary lines, scanning: speed, points density, path through supplied in dialog
- Rundtischposition kann in allen CAD Generier-Dialogen eingegeben werden. Bei Punkten auf CYL oder CIR kann gewählt werden zwischen festem Offset und Berechnung der Position

Feature Based Inspection

- **CRFEANAM** has an additional argument **DSC**. This indicates in which field the feature name is stored. Supported values are DSC = K,Q,G,P,p,I,v,x,[f]

Cylindrical Gear

- Beveloid Gearing:
up to now only input of base circle radii and base helix angles possible, now also input of two addendum modification factors with Z position or tip cone angle
- Dialog Configuration:
For profile, helix and pitch different approach distances can be entered (important for small module)
- Dialog Configuration:
Gear axis can be mounted horizontally on the table with gearing between the support positions (like for worm)
- Dialog Profile Measurement:
Measurement of profile in normal plane. Important for gears with small module, large helix angle and some kinds of CMM steering
- Dialog Profile Evaluation:
Unsymmetrical tolerances of fHA for Leitz, Hoefler and CNOMO possible
- Dialog Profile/Tolerances for Zone Evaluation:
Tip and Root relief may be linear, parabolic, tangent parabolic
- Dialog Helix Measurement:
New scan possibility: Start of scan in the lower face (slowly), profile area (fast), upper face (slowly). Useful for gears tapered end faces
- Dialog Helix Evaluation:
Unsymmetrical tolerances of fHB for Leitz, Hoefler and CNOMO possible
- Dialog Helix/End Relief of Helix:
End Relief may be linear, parabolic, tangent parabolic
- Dialog Pitch/Runout Measurement:
Measurement also possible in self centering mode

Curves

- **BFITPT** now support CAD argument

Cylindrical Worm

- Cylindrical Worm is working now also in Inch mode

Worm Wheel

- Worm Wheel is working now also in Inch mode

Changes

Basic Program

- Using a part temperature sensor is now supported for all Leitz machines having this sensor (**SIRIO, PMF**). To use the sensor a probe PRB has to be defined with the following magazine name as example

```
DFNPRB (NAM=MyTempSensor, MGZ=200000024, ...)
```

This magazine name is converted to T24 before sent to the controller. More general the

magazine name 200000xxx is converted to Txxx. In this context it is recommended to change probes defined for a SIRIO with a magazine name T24 to 200000024 to be compatible with other Leitz machines

- Beginning with version 7296 Quindos7 uses a new algorithm for calculating cylinders (MECYL). If there are problems with the new algorithm, the status variable UseNewCYLAig must be set to No! This will tell Quindos7 to use the old cylinder algorithm

User Interface

- **CadLoadModel** dialog removed tab page for ModelSet
- **QualifyTool** dialog redesigned

Options

CAD Basic

- In dialog "**points on auxiliary lines**", scanning mode, you can set speed, points density and path through stop element

Installation / Licensing

- Search sequence for license file changed. Now the license file is searched at first in the directory \Quindos7\Licenses

Installation / Licensing

- **USECMM** and **DFNCMM** now send the parameters directly to the controller. In recent releases parameters were only sent when needed

Bug Fixes

Basic Program

ID	Description	Version
*	XmlExport of XML-Objects, correct QdsName attribute	7251
*	MOVCM does not return I++Server error message	7254
308	Refresh of CAD display after BLDCSY or CSY-modification is enabled	7248
325	Pressing Enter key in command dialog sometimes lost characters	7291
337	Interpreter started to run after crash in CALL	7256
377	CadExportImage failed if the ImageName had nonzero index	7263
393	PrintServer: Allow empty lines in Comments	7256
394	Print/PlotServer: no overwriting of existing reports/plot pages, instead renaming and adding of a time stamp	7256
395	ReportViewer: focus problem in PageSelector	7256
396	String Wildcard did not work correctly *_2007????????????????	7258
405	Calculation circumscribed cylinder failed if NWA=Y	7265
406	Converting of Scan points to cylinder coordinates failed	7264
414	Wrong color at FORM-deviation in ReportViewer	7267
415	Changing the color table in reports effects no changes in the layout	7267
416	CMM parameters are not immediately send to controller	7272
434	ScanOnHelix did not handle PLA=_YZ correctly	7278
451	Error message REN3\$1 at CALCPB (CALSPH Sequence) with TP2	7282
454	INVTRA crashes when executed twice	7283
456	MAKEDIR did not translate logical names	7284
462	Table object would calculate values like 7-3 = 4. This has been disabled	7291
473	MOVCM failed in case of (MOVCM (... ,TYP=DLT, DST(,10)..	7291

475	Manually measuring point failed if CsyType was CYL	7291
485	Crash in ScanDialog at default key	7292
487	FNDHIPOS did not look into RdO databases	7297
490	Start, Run, Call did not translate standard aliases	7299
492	Cone evaluation crashed if nominal cone angle was 0	7302
501	MCICIAX did not create 2nd int point in NDB	7303
502	Copy TRE from SDB to LDB : Crash if execute "Show" TRE in the LDB	7304
514	Values in APT, NPT and EVA list will not stored if input is to fast	7309
518	F11 function in MTWzLogoBox, InfoBox and CAD-Viewer failed	7309
519	Center point binding to cylinder or cone failed	7309
529	EDTHRC,.. did not use special table header from RdO DBs	7309
530	Part program stopped if fatal error in eval, even if not on meas tree	7309
531	Nominal tolerance to correctly evaluated	7309
545	After drag&drop the input is not saved or will be deleted (TextValueBox, command dialoge)	7326
556	Crash when EDTAPT a WDB element, if WDB is not open	7325

User Interface

ID	Description	Version
322	Backspace key inserted characters already deleted	7257
323	Wrong behaviour of scroll bars in command buffer	7263
363	Tool select dialog width too large	7255
366	F11 key returns focus to MainCommandBuffer independent of where the focus is	7278
435	Changing Directory in FileSelectDialog did not refresh its content	7278
455	EDTAPT/EWDTNPT did not accept custom table header	7284
474	Error logs could not be saved by CtrlS	7296

Options

CAD Basic

ID	Description	Version
382	Interactive loading of edge points in sheet metal worker is corrected	7248
388/389	Points on auxiliary lines, distance in degree: bad normal directions	7257
390	Scanning, points on lines: direction stop element is corrected	7330
400	Connection and sorting of the edges of a wire is corrected	7248
552	Error with CadCreateGear when creating internal gear using dimension over balls and ball diameter	7310

Machine Support

ID	Description	Version
486	NPt type HSS is not supported	7295

I++

ID	Description	Version
402	Use of probe offsets for Gemodec counter implemented in I++-Server	7253
503	PRBTYP NUL was sent, even with MultipleSensorCount==1	7302