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FOLLOW-ME! Technology GmbH, Munich, Germany

Readme *hyper*DENT V8.0

English

Version history *hyper*DENT V8

5.1.1.228 Release

Manual supplement

Information/functional enhancements

Changes/enhancements for jobs

Bugfixing/improvements

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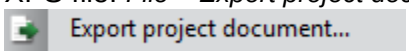
*hyper*DENT V8.0

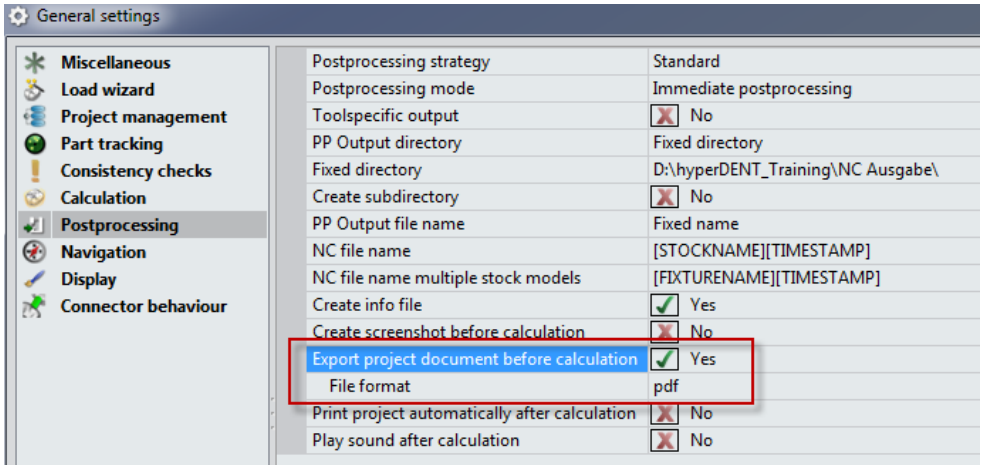
5.1.1.228 (8.0 Release)

Manual supplement

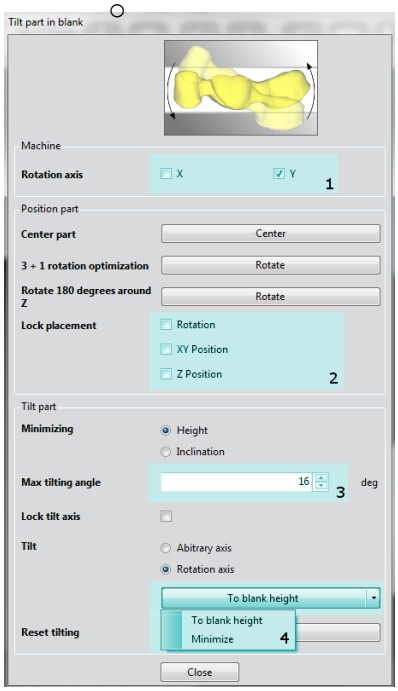
- 5.5 Export project document
  - A project document, similar to „Print project“, can be exported as a PDF or XPS file. *File > Export project document…*

  - This file can be automatically exported before calculation.
    Settings > General > Postprocessing > Export project document before calculation

  - The file is saved in the calculation output folder. In case of Röders automatisation, a Röders-XML file will be copied in the output folder.
- For 11 Tilting part in blank:
  -



1) The rotation axis is preferably set in the settings of the current fixture.

   Settings>Machining>Fixtures>Additional properties>Part tilting>Tilt axis

   If no axis is selected, the rotation axis must be selected manually.
2) Parts now can be locked against rotation, XY-movement and Z-mevement.
3) The maximum tilt angle is preferably set from the settings of the current machine.

   Settings>Machining>Machines>Axis limitations>Max. tilt angle for parts

4) Additional options to optimize the hight:
   a. Minimize > Part is tilted by specified value, without considering the environment.

b. To blank hight > The part is tilted so far that it fits in the blank. However, maximal the set angle.

Information/functional enhancements

- Improvement in the calculation of endpoints in angulated screw channels
- A FOLLOW-ME! – Support Teamviewer is available in the Windows start menu and in the Windows directory on the C: drive.
- If fixed positions are required and were defined in the CAD system, for example preform and Merz BD blanks, the „single-element geometry“ must be set to „Yes“ in the blank definition.
- To be able to respond varous production methods, the consistency check was integrated in the general template settings.

Consistency checks	
Part outside blank	Global setting
Part outside fixture boundary	Global setting
Millboundary outside blank	Global setting
Millboundary outside fixture boundary	Global setting
Connectors exist	Global setting
Connector ends outside blank	Global setting
Screwchannel outlet opening ends outside blank	Global setting

The consystency checks can be taken from the global settings or can be adapted in the template.

- Parts requiring precise positioning (Prefabs, Merz BD) were secured against unintentional move.

Changes/enhancements for jobs

- Bugfix in angulated screw channel machining:
  - The screw channel offset in the screw channel machining works now also for the undercut area while using the T-slot cutter.
- Protection of the emergence profile
  - The surface of the emergence profile shall be inproved.
  - For finishing and restmachining the surface of the emergence profile is protected by a protection mesh.
  - Surface finishing with „finishing emergenxe profile“
- G2/G3 Output for „Finishing walls of implant interfaces“
  - NC – Output as a radius for implant interface geometries
  - Improved suface quality
  - Only for round inerfaces usefull
- Machining depth in 5X Profile finishing normal to centercurve now switchable to

    - Bottom of model
    - Equator of model
    - Hint: useful with „Generate splitsurface“
- Improvement in creating boundaries, thereby more stable calculation for complex parts.
- Stabilized and improved „3D Equidistant finishing” in Inlays/Onlays
- Stabilized calculation in „Finishing inside long cavities“

Bugfixing/improvements

- Bugfix in the 3OX interface for abutment bases, screw channels and material detection.
- Bugfix in the Dental Wings interface in screw channel detection.
- The start/approach position at „Overall finishing occlusal side“ did not match to the predrilling job at all PC´s. Now synchronized universal. (Hint: the predrilling diameter shoulb be approximately 1.8 x tool diameter)
- Abutment base finishing will be done again in all strategies in climb milling.
- 3X – Peeling any side will be done again in climb milling.
- Bugfix in automatic geometrie exchange
- Bugfix in fixture instance sorting and ID update
- Bugfix in sinter pin machining, pins were not recognized in user defined areas

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