NCVIEW 2020
NCVIEW Neo 2020
NCVIEW MC3 2020

NCVIEW / NCVIEW Neo / NCVIEW MC3 2020 Release Notes

A) New Feature Overview

B) Main Improvements and Modifications

（Improvements and modifications after release of NCVIEW / NCVIEW Neo /NCVIEW MC3 are listed）

C) List of Support Reception Numbers

D) Operating Environment

The numbers listed in parentheses () in the descriptions below are Support Reception Numbers

See the Previously reported Support responses.
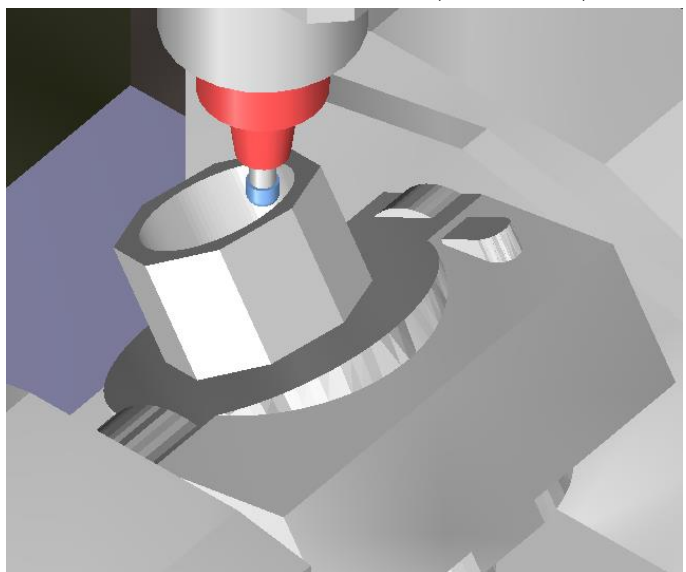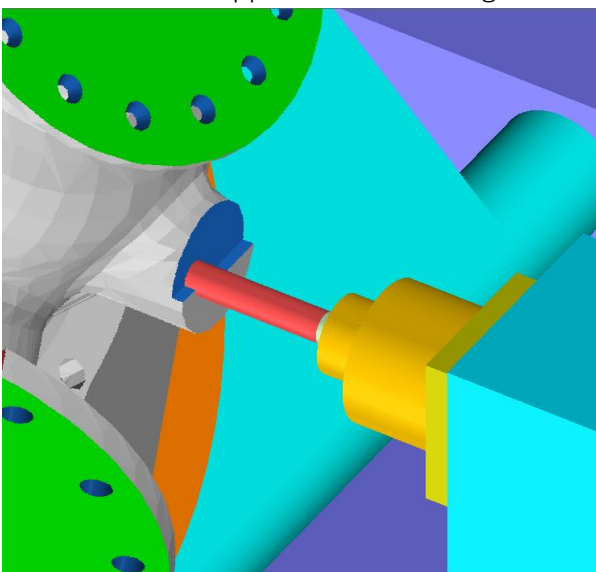
Marks indicate supported modules:

Neo : NCVIEW Neo、 **MC3** : NCVIEW MC3、 **SOLID** : NCVIEW SOLIDwatch

MULTAX : NCVIEW MULTAXwatch、 **TURN** : NCVIEW TURNwatch、 **TOOL** : NCVIEW TOOLwatch
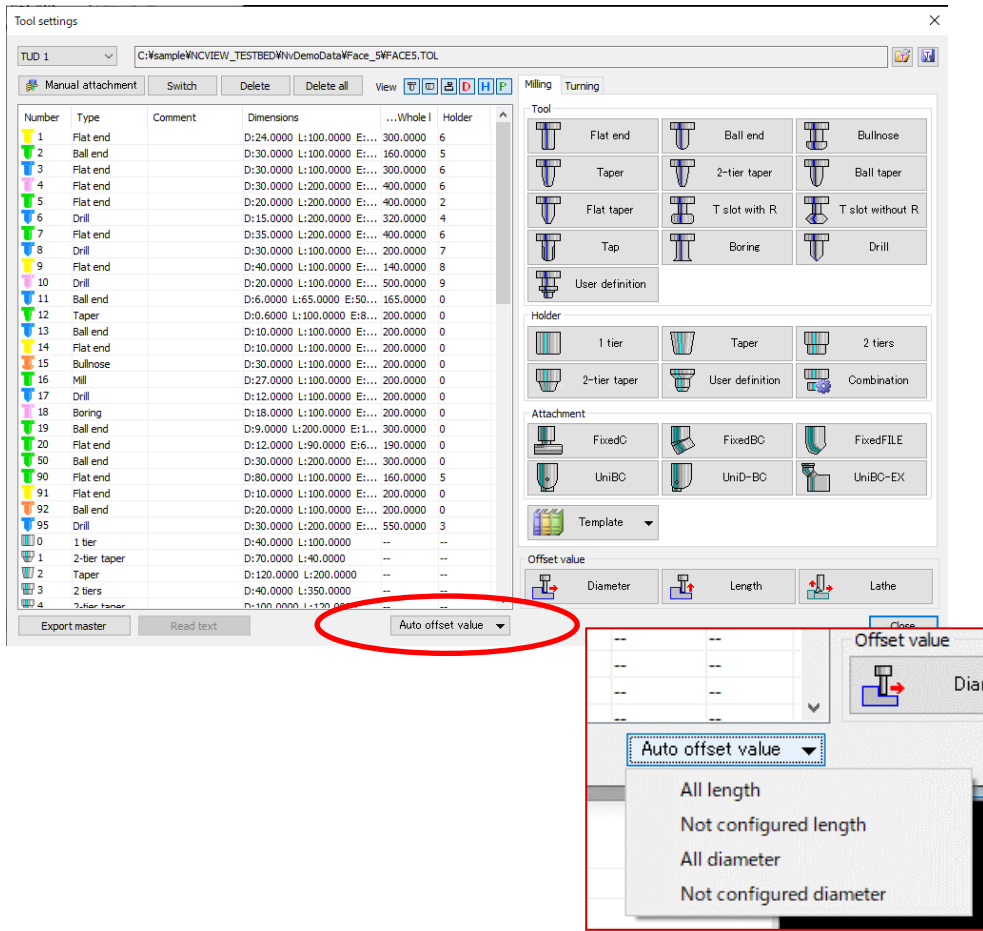
A) New Features Overview

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1. Expanded the Tilted Working Planed command.

■ Added to support Tilted Working Plane command based on Roll-Pitch-Yaw (201605003)

2. Added to support automatic tool offset amount settings
   - It possible to set tool length compensation amount and cutter compensation amount collectively from the registered tool shape


3. Enabled to more precise totaling of processing time and process flow
   - Expanded to set individually of rapid traverse feed rate on additional axis (U, V, W Axis)
   - Expanded to process flow can be divided and output with M00
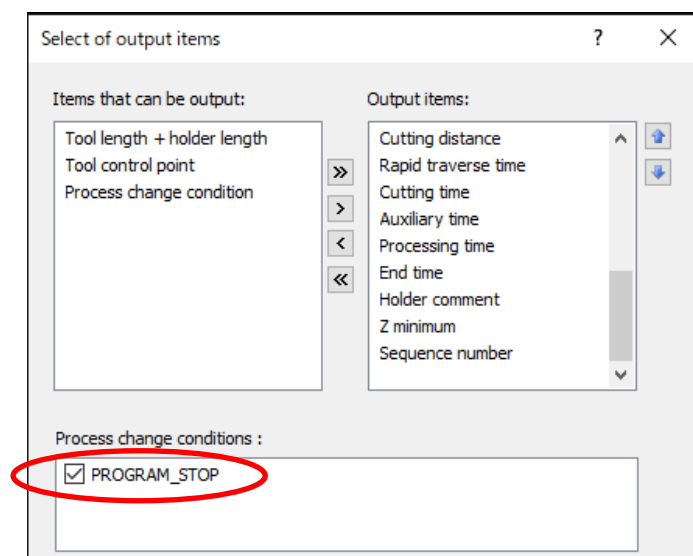
4. Added the check function of cutting depth for Canned cycle

It possible to specify the upper limit of cutting depth parameter Q in drilling tool when deep hole cycle commanded
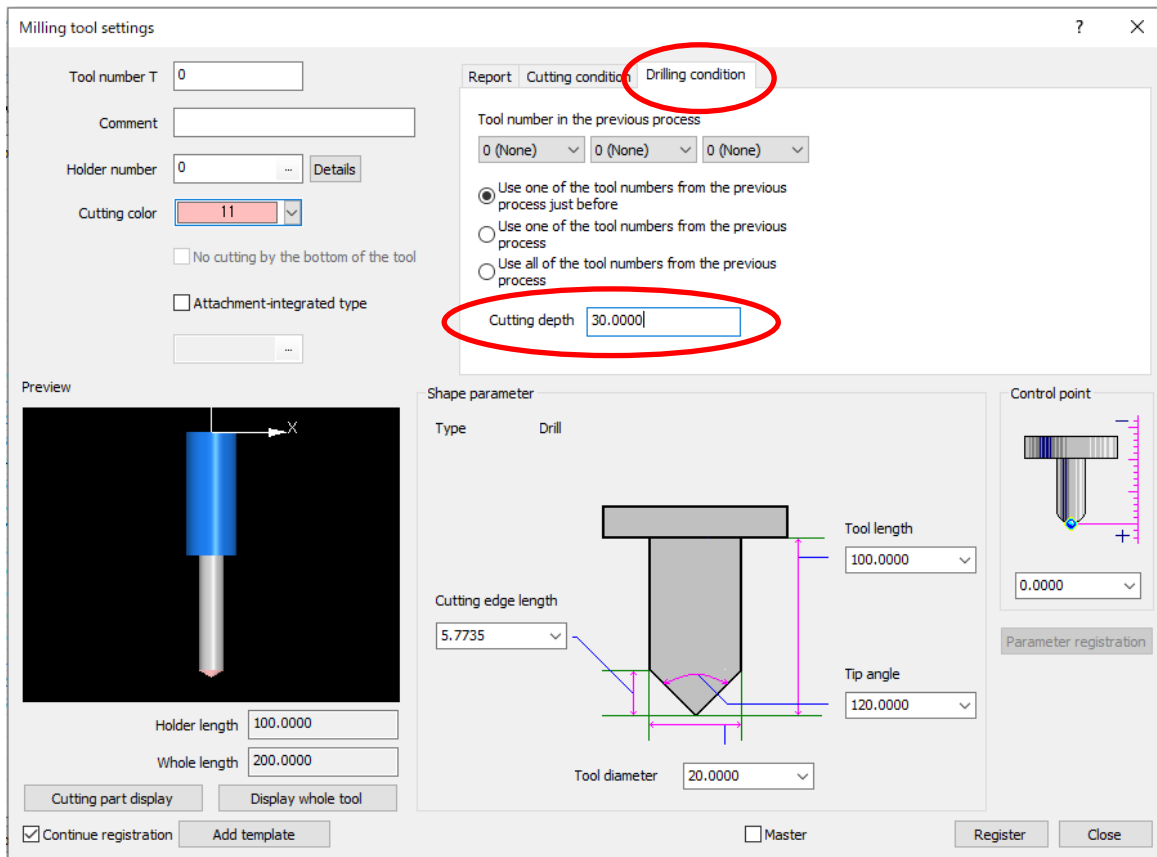
5. Expanded the OSP controller
   - Supported "IF-THEN" directive
   - Supported contour generation and coordinate system conversion (201102006)
   - Supported XZC 3-axis simultaneous control of G101 contour generation
   - Supported common variable V
   - Expanded workpiece coordinate system on MULTUS

6. Expanded SIEMENS controller
   - Supported Helical interpolation
   - Supported parameter of maximum retraction in tool direction in CYCLE800 (201906004)

7. Expanded the FANUC controller
   - Expanded P-CODE variables

8. Expanded the HEIDENHAIN controller
   - Added to support Three-dimensional tool compensation（LN X_ Y_ Z_ TX_ TY_ TZ_）

9. Expanded the TOSNUC controller
   - Added to support Symbol Definition operation (DS operation) based on TOSNUC

10. Expanded the option parameter of tool offset number
    Added the following machine commands. Please refer to the HELP.

       NC_PARAM SETD_OFFSET

       NC_PARAM SETD_WEAR

       NC_PARAM SETL_OFFSET

       NC_PARAM SETP_OFFSET

       NC_PARAM SETP_WEAR

11. Improved usability
    - Increase the maximum number of MACLIB file
    - Reload configuration file

B) Main Improvements and Modifications

- Improved scope of coolant and spindle rotation check when cutting off
- Fixed G53 fixture offset cancel directive for TOSNUC
- Fixed unauthorized processing at tool tip boundary point of "user defined turning" and "user defined drilling" settings
- Fixed canned cycle repetition during tool position offset　(201802009)
- Fixed model comparison
- Fixed temporally files failure
- Fixed STL file input of VirtualMachine
- Improved the movement of slant rotating axis
- Fixed slide operation error in Workpiece Jig Settings Dialog
- Fixed Tool change process when the axis name and address are different in VirtualMachine
- Fixed "Set Component" of VirtualMachine
- Improved processing of incorrect format NC data in SIEMENS
- Fixed SIEMENS drilling cycles with _AMODE parameter

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- Fixed Status Display (SIEMENS Tool length offset)
- Improved Status Display (HEIDENHAIN)
- Fixed coordinate system comparison of CUTCOMP_T
- Fixed input process of attachment number
- Improved collision and approach adjudication (201901001)
- Improved Status Display (SIEMENS compensation amount)
- Fixed allowable axis direction of SIEMENS CYCLE800 (201902007)
- Fixed R variables processing (201903006)
- Fixed Tool Center Point Control operation (when pivot length is negative)
- Fixed stroke error processing of SIEMENS CYCLE800 (_ST parameter)
- Fixed retraction process of SIEMENS CYCLE800 (_FR parameter)
- Fixed loading process of MACHINE file (.mch)
- Fixed the adjustment amount of STL operation
- Fixed conversion process from STL to workpiece shape
- Show the current file name at project file saving (201908001)
- Improved collision adjudication when the turning tool contacts the workpiece (201310003)
- Improved accumulated time accuracy of axis motion time in tool center point control operation (201604005、201905005)
- Fixed rotate direction failure during tool center point control operation (201902006)
- Improved macro argument processing
- Fixed delete operation of combination holder process
- Fixed preview of "user defined holder"
- Fixed ESC key process at holder settings dialog
- Improved break point process after create the process flow
- Improved "Excessive offset vector" process of cutter compensation on FANUC (201908003)
- Improved false recognition of sub-program on MELDAS (201909003)
- Fixed incorrect model comparison of specific workpiece placement
- Fixed file list error at DXF Drawing

C) List of Support Reception Numbers

201802009、201901001、201902007、201903006、201908001、201310003、201604005、201905005、201902006、201908003、201909003、201605003、201906004

D) Operating Environment

OS	< NCVIEW / NCVIEW Neo 32-bit Version > Windows 10 / Windows 10 64bit Windows 8.1 / Windows 8.1 64bit Windows 7 / Windows 7 64bit ※Also operates on 32-bit if installed on a 64-bit OS. < NCVIEW Neo 64-bit Version/ NCVIEW MC3> Windows 10 64bit Windows 8.1 64bit Windows 7 64bit
Memory	16 GB or higher (64bit) / 2 GB or higher (32bit) recommended
CPU	Intel Core i7 recommended
Graphics	NVIDIA recommended