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1. General

| System | | | |
|--------|-----------|--|-------------|
| 8812 | General | “Open” dialog box is sensitive to file order in Win7. | Fixed |
| 8807 | General | Upper level is not in Zero after Home definition by “select plane”. | Fixed |
| 9382 | General | Planes appear after closing part. | Fixed |
| 9244 | General | SW crashes when insert path to CAM-part manually. | Fixed |
| 9105 | General | HASP drivers compatible to Win7. | Implemented |
| 8817 | General | ShowPolyLine mode is available again (show points in vertexes of toolpath). | Implemented |
| 8982 | General | Geometry disappears from the list after try to change CoordSys. | Fixed |
| 8951 | Demo | Demo version has problem with connection to SW. | Fixed |
| 7753 | General | SolidCAM manager tree doesn’t respond when mouse on in XP64. | Fixed |
| 9139 | General | Too slow refresh of graphic area when in geometry there are a lot of chains. | Fixed |
| 9536 | Interface | Press “space” in CoordSys dialog box – system crashes. | Fixed |

| Work with local language versions | | | |
|-----------------------------------|-----------|--|-------|
| 9318 | Interface | Wrong position of buttons in Czech version. | Fixed |
| 8042 | Interface | Too long text in text fields in interface hides dialog box. | Fixed |
| 9055 | General | SolidCAM crashes after switching to Hebrew. | Fixed |
| 8928 | 2.5D | String “Sicherheitsabstand missing” | Fixed |
| 9466 | Interface | Chinese language for non-unicode programs makes degree symbol corrupted. | Fixed |

| Gcode generation | | | |
|------------------|------------|--|-------------|
| 9408 | General | xlpos/ylpos/zlpos set was added. | Implemented |
| 9220 | General | Needless @transform. | Fixed |
| 9219 | General | Needless @rotate at the end of program. | Fixed |
| 9400 | MillTurn | Wrong angle pair in turning operation after milling operation. | Fixed |
| 9317 | General | ref_point_init is sensitive to transformation direction. | Fixed |
| 9186 | MillTurn | Xpos is wrong for second hole in drilling. | Fixed |
| 9255 | HSS | Wrong value in next_job5x (1 instead of 0). | Fixed |
| 9201 | MillTurn | If pos_to_machine=Y wrong angles in 4x indexial. | Fixed |
| 8922 | General | @loop_info_matrix is missing. | Fixed |
| 9107 | General | xpos/ypos/zpos for head_table machine should be without pivot point. | Fixed |
| 8983 | General | Wrong local coordinate set for head_head kinematics. | Fixed |
| 8918 | General | @change_reference_points is wrong between Matrix and List operations . | Fixed |
| 8919 | General | Y steps value for transformation is not the same in interface and in Gcode. | Fixed |
| 8909 | Simulation | Gcode and MachSim mac-parameters separated. | Fixed |
| 8978 | Turning | Xopoc/Yopos/Zopos are wrong. | Fixed |
| 8906 | MillTurn | Nose point output in trace is wrong | Fixed |
| 9371 | Threading | Direction of 4 th axis need to be according main Z. | Fixed |
| 9093 | Threading | When Gen_procs= N and Gen_internal_proc = N wrong output. | Fixed |
| 9367 | Coolant | Coolant turn ON and OFF every transform operation even with the same tool. | Fixed |
| 9497 | MillTurn | In @rotate_info there is artesian instead of polar, or polar instead of split. | Fixed |
| 9476 | HSS | Xhpos or Yhpos are calculated wrong in case of Mirror transform. | Fixed |
| 9496 | General | Different Gcode for single operation and for several operations if pos_to_machine=y. | Fixed |
| 9487 | 2.5D | Drill_clearance_zl is wrong. | Fixed |
| 9478 | MillTurn | Rotate_angle_z is absent in trace when XYZC defined. | Fixed |

2. Tool tables

| Tool Tables | | | |
|-------------|-----------|---|-------|
| 9310 | General | TAP tool is missing in the list of tool names. | Fixed |
| 8941 | General | System crashes when in tool message there are a lot “/” symbols. | Fixed |
| 3554 | Interface | Message about imported tool should not appear. | Fixed |
| 8536 | General | Automatic tooltable loading from MAC available again. | Fixed |
| 9179 | General | Import of threading tool from Vardex is with wrong parameters. | Fixed |
| 9479 | General | System crashes when with open tooltable open something from Start menu. | Fixed |

3. Templates

| Templates | | | |
|-----------|-----------|---|-------|
| 9252 | General | Value of feed always negative from system’s point of view after creation operation from template. | Fixed |
| 9137 | General | Cursor focus jumps to template field after insert only 1 symbol. | Fixed |
| 9490 | General | Delete associativity from templates. | Fixed |
| 9495 | ToolTable | Tool search doesn’t work for templates. | Fixed |

4. 2.5D Milling

| 2.5D Milling | | | |
|--------------|----------|---|-------|
| 8993 | General | System crashes during Multi-chain selection. | Fixed |
| 9029 | Pocket | Crash when select user defined plunging type. | Fixed |
| 9440/9421 | Geometry | After reverse 3D contour geometry converted to contour. | Fixed |
| 8972 | Profile | Wrong toolpath if compensation is turned on. | Fixed |

5. Machining processes

| Machining processes | | | |
|---------------------|-----------|---|-------|
| 9345 | ToolTable | In Inch mode every time new tool added. | Fixed |
| 9392 | ToolTable | Can’t insert Machining Process form SC2008 if there is Taper tool. | Fixed |
| 9380/9203/9146 | General | Can’t work with old ID numbers because ID converted from integer to string. | Fixed |
| 8892 | 2.5D | Upper plane in operation is converted to negative | Fixed |

6. HSS

| HSS | | | |
|------|------------|--|-------------|
| 5078 | General | No need to use Machine limits for calculation HSS operation. | Implemented |
| 9292 | Simulation | Toolpath is shifted in Machine simulation. | Fixed |

7. 3D Milling

| 3D Milling | | | |
|------------|-----------|---|-------|
| 9109 | Interface | Operation renamed by user shouldn’t be renamed after changing tool or geometry. | Fixed |

8. HSM

| HSM | | | |
|------|-----------|--|-------------|
| 9295 | Interface | Wrong angles in Pencil and Corner offset tabs . | Fixed |
| 9384 | Interface | Limits for combined operations should be changed together. | Fixed |
| 9346 | Interface | Need to implement Advanced/Simple mode for HSM interface. | Implemented |
| 9294 | Interface | Wrong center for spiral machining with user-defined constraint boundary. | Fixed |
| 8902 | General | System crashes when Edit passes activated. | Fixed |
| 8935 | ToolTable | Engraving tool is incompatible for HSM. | Fixed |
| 9462 | General | Choose new center point – internal radius should be the same. | Fixed |
| 9461 | Interface | Suppressed operation should be hidden from Rest Rough list. | Fixed |
| 7663 | Interface | New pictures for HSM technologies. | Implemented |

9.5 axis simultaneous

| 5 Axis simultaneous | | | |
|---------------------|-----------|---|-------|
| 9231 | General | Crash when work with Deburring operation. | Fixed |
| 9223 | General | When change rotation parameters system doesn't recalculate operation. | Fixed |
| 9044 | General | Feed rates reset after save operation. | Fixed |
| 8917 | Interface | Converted operation doesn't save Max tilted angle after save. | Fixed |
| 8970 | Interface | Default angle pair is not according MAC-file. | Fixed |

10. Multi-axis drilling

| Multi-axis drilling | | | |
|---------------------|-----------|---|-------------|
| 8912 | General | System takes feed rate instead of Feed_Z. | Fixed |
| 9253 | ToolTable | Need to use the same tool filter as for Drill 2.5D. | Implemented |

11. Turning

| Turning | | | |
|---------|---------|--|-------|
| 8967 | General | Tools are imported with wrong numbers. | Fixed |
| 7326 | General | When defined cycle with compensation tool crashes target. | Fixed |
| 5223 | General | Needless diagonal move after face cutting at the end of rough. | Fixed |

12. Mill-Turn

| Mill-Turn | | | |
|-----------|------------|---|-------|
| 9086 | Simulation | Cut off material doesn't disappear in SolidVerify simulation. | Fixed |
| 7009 | Simulation | Wrong SolidVerify simulation for turning operation. | Fixed |
| 9477 | Simulation | Tool moves through material with Back Spindle. | Fixed |

13. Simulation

| Simulation | | | |
|------------|-------------|---|-------|
| 9458 | MachSim | No simulation for toolpath in MAC2. | fixed |
| 9391 | MachSim | Bad Facet Tolerance INCH. | fixed |
| 9391 | MachSim | Bad toolpath for tapered ball mill. | fixed |
| 9025 | MachSim | Strange result for Machining Simulation. | fixed |
| 7402 | SolidVerify | SolidCAM crashes when Split/Unsplit machined stock. | fixed |