# TopSolid 7 CAM Modulewijzer

Een zwart ingekleurd rondje (●) betekent dat de module de functionaliteit bevat. Een blanco rondje (o) houdt in dat deze functionaliteit optioneel is.

| | TopSolid'Cam Milling | TopSolid'Turn Advanced | TopSolid'Cam Advanced Milling | TopSolid'Cam Pro Milling |
|---|:---:|:---:|:---:|:---:|
| **CAD** | | | | |
| TopSolid 7 Design | ● | | | |
| TopSolid 7 Design Advanced | | ● | ● | |
| TopSolid 7 Design Pro | | o | o | ● |
| **Document management** | | | | |
| Document management in projects | ● | ● | ● | ● |
| Database local and single user | | ● | ● | ● |
| Revision management (all documents, also NC-code) | | ● | ● | ● |
| Database client (multi user database possible) | | o | o | ● |
| **Drilling** | | | | |
| Drilling | ● | ● | ● | ● |
| Cylinders & features analysis | ● | ● | ● | ● |
| Customized chip breaker | o | ● | ● | ● |
| **Machines library & simulation** | | | | |
| Create new machines | | ● | ● | ● |
| Use machines defined with solids models | | ● | ● | ● |
| Simulation in machine mode | | ● | ● | ● |

| | TopSolid'CAM Milling | TopSolid'Turn Advanced | TopSolid'Cam Advanced Milling | TopSolid'Cam Pro Milling |
|---|---|---|---|---|
| **Methods** | | | | |
| Create drilling methods | ● | ● | ● | ● |
| Use drilling methods | ● | ● | ● | ● |
| Create milling / turning methods | o | ● | ● | ● |
| Use milling / turning methods | o | ● | ● | ● |
| **Milling M2 (including 4 & 5 axis positioning)** | | | | |
| End milling | ● | ● (axial) | ● | ● |
| Side milling | ● | ● (axial) | ● | ● |
| Chamfer / radius milling | ● | ● (axial) | ● | ● |
| Slot milling | ● | ● (axial) | ● | ● |
| T-slot milling | ● | o | ● | ● |
| Breaking edge milling | ● | o | ● | ● |
| Mouse facing | ● | o | ● | ● |
| Roughing | ● | o | ● | ● |
| 3D sweeping | ● | ● (axial) | ● | ● |
| 3D contouring | ● | ● (axial) | ● | ● |
| Volumill TopSolid edition (end milling) | | o | o | o |

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|---|---|---|---|---|
| **Milling M3** | | | | |
| Finishing: Raster, Z Level, constant crest scallop | o | o | o | ● |
| Morphing, super-finishing | o | o | o | ● |
| Left material machining | o | o | o | ● |
| **Milling M4** | | | | |
| Roughing / finish with rotation of 4th axis | o | o | o | ● |
| End Milling (radial, axial) | o | o | o | ● |
| Side Milling (radial, axial) | o | o | o | ● |
| Grooving | o | o | o | ● |
| Screw machining (rough, finish, rest) | | o | o | o |
| **Milling M5** | | | | |
| Convert M2 or M3 toolpaths to 5 axis | | o | o | ● |
| Swarf milling | | o | o | ● |
| 5D sweeping | | o | o | ● |
| 5D contouring | | o | o | ● |
| 5D tool path editing | | o | o | ● |
| **Shop floor documents** | | | | |
| Use shop floor documents | ● | ● | ● | ● |
| Creation of shop floor documents | o | ● | ● | ● |

| | TopSolid'CAM Milling | TopSolid'Turn Advanced | TopSolid'Cam Advanced Milling | TopSolid'Cam Pro Milling |
|---|---|---|---|---|
| **Tools** | | | | |
| Tools 'on the fly' / tool assemblies | ● | ● | ● | ● |
| Tools upload from library / tool components | | ● | ● | ● |
| **Turning T2** | | | | |
| Roughing | o | ● | o | o |
| Grooving | o | ● | o | o |
| Contouring | o | ● | o | o |
| C axis continuous axial and transmit | o | ● | o | o |
| Double spindle, multiple turret, synchronisation | | ● | o | o |
| **Verification** | | | | |
| MachineWorks verification | ● | ● | ● | ● |
| **Workflow** | | | | |
| Part repositioning | ● | ● | ● | ● |
| Part repositioning same document | | ● | ● | ● |