

# SOLDIWORKS CAM 2018 MATRIX

	SOLIDWORKS CAM Standard	SOLIDWORKS CAM Professional
AFR - Automatic Feature Recognition - Holes	✓	✓
AFR - Automatic Feature Recognition - Pockets, Boss	✓	✓
AFR - Automatic Feature Recognition - Turn		✓
KBM - Knowledge Based Machining	✓	✓
Automatic Recognition of Multiple Setups	✓	✓
Indexing of the 4th & 5th axes including tombstone		✓
Sorting of the Operations	✓	✓
Toolpath Simulation	✓	✓
Step Through Simulation	✓	✓
Tolerance Based Machining - C# macro	✓	✓
Assembly Machining	✓	✓
CAMWorks Configurations	✓	✓
Stock and Work in Process Models	✓	✓
Setup Sheets - XML, XMLT, MDB	✓	✓
e-Drawings Publisher	✓	✓
Universal Post Generator (UPG)*	✓	✓
CAMWorks Library Features (supports only 2.5x features)	✓	✓
Import / Export of CAM data	✓	✓
MES Feed Speed Library*	✓	✓
*Ancillary applications installed separately		

## 2.5x Milling Features

Interactive Feature Creation	✓	✓
Rough Milling	✓	✓
Finish (Contour) Milling	✓	✓
Face Milling	✓	✓
Thread Milling	✓	✓
Center Dilling	✓	✓
Drilling	✓	✓
Countersinking	✓	✓
Bore	✓	✓
Ream	✓	✓
Tap	✓	✓
Thread Milling	✓	✓
Engraving	✓	✓



### 3x Milling Features

Multi-surface feature creation	✓	✓
Area Clearance	✓	✓
Z Level	✓	✓
Flat Area	✓	✓
Contain and Avoid areas and features	✓	✓

### Turning Features

Face Rough		✓
Face Finish		✓
Rough Turn		✓
Finish Turn		✓
OD Threading		✓
Cut-off		✓
Groove Rough		✓
Groove Finish		✓
Bore Rough		✓
Bore Finish		✓
Center Drill - on center		✓
Drill - on center		✓
Tap - on center		✓
ID Threading		✓



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