

# Shop Floor Programming

Table 1: NUMgrind includes a wide range of embedded grinding cycles.

NUMgrind Solutions for grinding	GC Cylindrical Grinding Package	GS Surface Grinding Package
<b>Embedded Grinding Cycles</b>		
OD/ID Plunge / Multi-plunge	●	○
OD/ID Plunge with inclined Axes	●	○
OD/ID Oscillating Plunge / Multi-plunge	●	○
OD/ID Cylinder Traverse	●	○
OD/ID Profile Traverse	●	○
OD/ID Taper Traverse	●	○
OD/ID Oscillating Shoulder	●	○
OD/ID Shoulder Traverse	●	○
OD/ID Shoulder Cylinder Blend	●	○
Slot Grind with Continuous Infeed	○	●
Slot Grind with Endpoint Infeed	○	●
Surface Grind with Continuous Infeed	○	●
Surface Grind with Endpoint Infeed	○	●
<b>Auxiliary Grinding Functions</b>		
Wheel Data Management (Eight Stored Setups)	●	●
Straight Wheels	●	●
Special Profile Wheels	●	●
Roller Dresser	●	●
Automatic Wheel Profiling	●	●
Automatic In-process Wheel Dressing	●	●
Automatic Wheel Surface Speed Calculations	●	●
Part and Dresser Setup Routines	●	●
Part Taper "Table Skew" Correction	●	●
Emergency Retract Sequence	●	●
Measurement and Part Origin Modification	●	○
Full cycle support for In-Process Gauging and Gap Elimination	●	○
Run wheel or part profile from CAD system	●	●

● - Standard

○ - Not Available