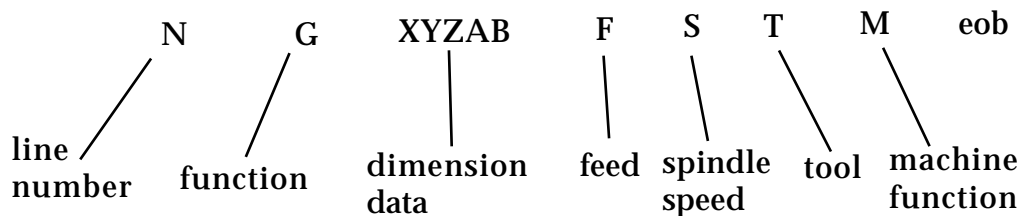


G-Codes to Know

G-Code The universal language of CNC (almost). Industry has standardized on this basic set of codes. The code has many undefined numbers that have been used by various manufacturers for canned cycles and special functions. Recently, tools have been developed that don't use G code, but some other coding. At PEARL these include the Roland Camm3 and the LaserCamm. The Anilam 1100 doesn't directly use G-code, but has a natural language based programming language. The Anilam Crusader and 1400 have both a natural language based code as well as G-Code.

Basic format



Good G-Codes to Know

- G00 rapid position
- G01 Linear cut
- G02 Arc cw
- G03 Arc ccw
- G04 dwell
- G40 cutter comp cancel
- G41 cutter comp left
- G42 cutter comp right
- G28 return to machine reference point
- G92 absolute zero reset

Good M-Codes to know

- M03 spindle cw
- M04 spindle ccw
- M05 spindle off
- M06 tool change
- M02 end of program
- M30 end of tape

Knowing these codes will help you determine what your program is doing. It will also let you try programming at the most primitive level. A complete list of G-codes specific for each machine is available.

revision history

ver 1	12/93	John Wadsworth	original text
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