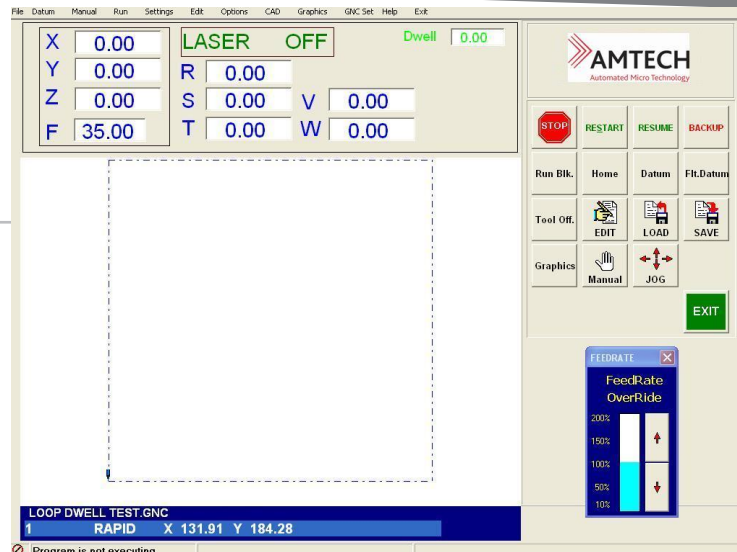# GNC Control Software



## KEY FEATURES

- Windows Compatible
- Fully Configurable
- Flexible User Interface
- Selected screen Information
- Quicker Learning Curve
- Increased Productivity
- Customised Commands
- Free Format Editing Facility
- Control up to 16 Positional Axis
- Built in PLC
- DXF and HGPL CAD/CAM
  Interface

This latest release from Amtech is a Generic Numeric Control or GNC Software package that is fully compatible with the every popular, very user friendly, Microsoft Windows Software. This means it has a massive advantage in any multi-tasking environment. As the name quite rightly suggests, this is certainly no ordinary control system, but a system that is totally flexible. GNC will allow you to build a controller to your own very specific needs. Even the hardware that Amtech can supply you is totally configurable. You can select a stepper or servo control and the number of digital and analog input/outputs. The operator interface can be created using a selection of fonts colours and bitmaps to give a custom feel, so you can display as much or as little information as you want, making opera- tor training easier. All this coupled with Amtech's seal of quality and competitive pricing makes the GNC Software Package very unique.

The whole GNC Software Package has been designed by Amtech with flexibility being paramount, to design a software that is totally compatible within your business. The operating language can be customised such as Liner, Rapid or Arc and even G or M codes to suit your operator. Even commands th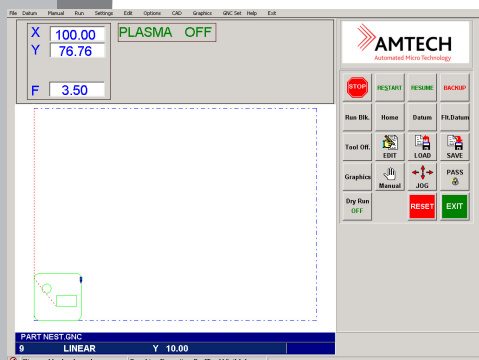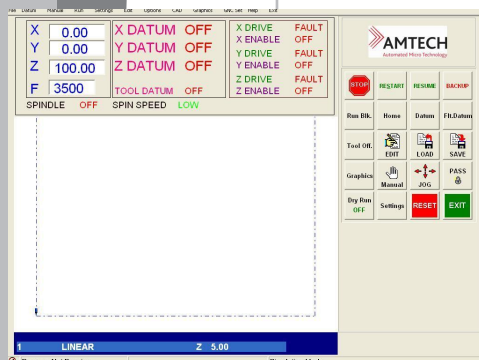at aren't required can be removed for ease of use . This user friendly software has a free format edit facility without having to stick to any rules or go through any insert menus. Options such as cut, copy, paste find and replace, make editing very easy. File saving and loading are also Windows standard as well as the floating panels to aid execution. You can control upto 16 positional axis,in any combination of Stepper, AC or DC Servo. A built in PLC which can monitor digital and analogue inputs upto 100 times per second and can also control digital and analog outputs.
The digital inputs and outputs can be selected in multiples of 8 and the analog inputs and outputs can be up to 16 each.
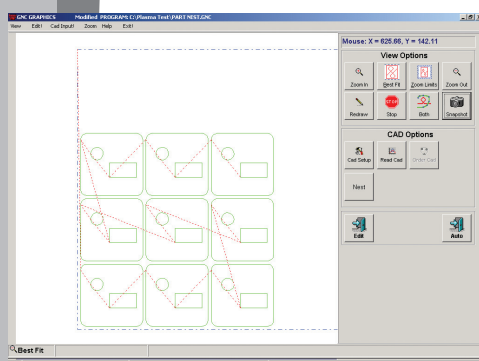
### DXF and HPGL Interface
Because the speed of part program generation is one of the most important parts of an efficient control system,the GNC system comes with DXF or HPGL interface program converter. This allows CAD system to interface directly to GNC System 16.You can produce a DXF or HPGL on your CAD system and then pass it to GNC for immediate conversion,nothing could be simpler. The CAD program could even be on the same computer as GNC.
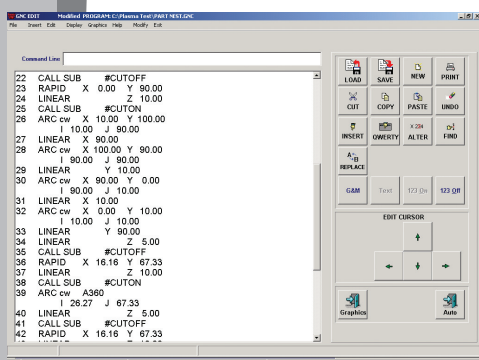
### CAD/CAM Interface
The GNC Software is fully supported by many of the leading CAD/CAM software packages. Applications include turning,milling,engraving,wirecutting and waterjet cutting.
So overall a software package designed with you in mind.

AMTECH
Automated Micro Technology

## Applications

- Motion control and positioning
- System automation
- Process Control
- Robotics
- Automatic welding machine
- Profile cutting machines
- Woodwork routing machines
- Engraving machines
- Drilling machines
- Laser cutting machines
- Water jet cutting machines
- Glue laying machines
- Automatic stitching machines
- Tangential knife
- Glass cutting machines
- Lathes & Mills

## Options

- Password Protection Feature
- Error and Operator Data Logging
- **Tangential Axis**
- **Surface Probing**
- Network Link
- Modem Link

GNC Execution Screen

GNC Graphics Screen

GNC Edit Screen

## GNC LITE FEATURES

Windows Compatible
Fully configurable execution screen.
Full Screen editor displaying G&M codes or Text
Continuous Motion
Automatic slowdown for corners and radius
Real-time animated graphics
Axis Control Servo AC, DC or Stepper
Linear Interpolation up to 12 axes
Circular Interpolation
Helical Interpolation
program memory upto 500,000 blocks

Nested Subroutines
Conditional While loops Conditional
Goto Labels
Floating Datum
Automatic Datum
Check Tool Length compensation
Operator Prompts
Digital Inputs
Digital Outputs
Analogue Inputs
Analogue Outputs

## GNC 16 EXTRA FEATURES

Tool Radius Compensation
DXF Interface
HPGL Interface
CAM Interface
Dry Run Button
Settings Button
Reset Button
Password Protection for Operator & programmer
Keypad Interface

Simple Nesting
Tangential Option
Timer Sub
Gearing Function
Backup around program
path
Variables
Parametric Programming
Multi tool Option
Tool Path

Made in
Britain