

# Acu-Rite 3500i – Specifications

User Interface
Touch Screen interface
12.1" LCD Active Matrix (TFT, XGA) Color Display
3D Look and Feel (i.e.: buttons, menus)
Full Alpha Numeric Touch Keyboards
Basic & Scientific Calculator
General Operation
Dual Operating Mode
Actual Feed Rate Display
Spindle Speed Display (Actual or Programmed)
Active Modal Display
Timer and Parts Counter Display
Mid-Program Restart / Block Search
Selectable Block Skip
High Speed Dry-Run
Teach Mode
4th Axis Programming (Rotary or Linear)
Axis Coupling
Mid-Program Interrupt and Jog-Return
Programming
Inch/Metric Conversion
Absolute and Incremental Positions on Same Block (In G-Code)
Conversational Programming
Full G-Code Programming with Conversational Help
Blueprint Programming
Polar /Cartesian Coordinate Programming
Interactive Help Graphics
Plane Selection
Work Coordinate Offsets
Rotation / Mirroring / Scaling
Corner Rounding / Chamfering
Parametric Programming (In G-Code)
Modal Subprograms (In G-Code)
Subprograms W/Repetition, Nested 20 Levels
DXF Import
Integrated 2-1/2D CAM System
Contour Approach and Departure
Support for Coarse / Fine Tool Programming in Pockets
Program Editing
G-Code / Conversational Programming
Find / Replace
Standard Block Operations (copy, cut, paste & delete)

CAM Features
Graphical Definition of Contours
Chain Construction Geometry to Define Contours
Create Geometry Based on Definitions of Points, Lines and Circles
Tool Path Generation Commands: Contour, Pockets and Drilling
Generate Complete Part Programs
Direct Import of DXF
Feeds & Speeds Calculator
Complete Program Generation
Simulation Graphics
Rapid, Feed and Compensated Moves Shown
Isometric, XY, XZ and YZ View
Automatic Fit
Zoom
Ruler Display
Display Tool Path Compensated or Uncompensated
Solid Model Graphics
Block Number Display
Computing
Celeron 1GHz Processor
1 Gigabyte RAM
4G Flash Drive
Data Interface
Ethernet Port
RS-232 Port
Two USB Ports
Interface Capability
Standard I/O Available - Kit Products (13/9)
Standard I/O Available - OEM Products (39/28)
Expansion I/O Modules
Advanced Features
Off-Line File Management Tool (RS-232 or Ethernet)
Remote Diagnostics
Off-Line PLC Monitoring Tool
Seamless integration of OEM and user cycles
Context Sensitive Help
USB Based System Backup / Restore Utility