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