

Construction

The AquaVision Di® guides users through the process from job set-up to production. It is fully networkable, allowing part programs to be generated offline and easily transferred to the system's hard drive for production. The process interactive trajectory automatically varies feed rate and acceleration based on known features of the job.

Finish

- Rugged plastic and aluminum construction is designed for the manufacturing environment.

Controller Features

- 1.8 GHz Intel® Pentium M Processor
- 160GB hard drive
- 1GB DDR-RAM expandable to 2GB
- 6 USB 2.0 ports

Cutting Features

- Backup along entire program path
- Real time diameter/kerf compensation
- High-speed cornering
- Single parts, mirroring, rotation, plate alignment
- Real-time part trace
- Optional part arrays

Jet Cutting Utilities

- Single step
- Jet Test mode
- Auto control up to four cutting heads standard
- Multi-point operator control via full featured hand-held pendant or machine tool front panel
- External CD-ROM and floppy drive connections

Cutting Path Trajectory

- Variable acceleration and deceleration within a program
- Look-ahead for diameter compensation and path changes
- Software-based travel limits
- High-speed trajectory generation provides immediate feedback to controller allowing maximum accuracy



Operator Visual Interfaces

- Plate alignment screen
- Job run screen
- Message screen
- Job configuration screen
- Process interactive trajectory dry run mode
- One step return to path

Industry Standards

- Open, compatible PC hardware
- Embedded IEC 61131-4 software PLCs and software NCs in Windows
- Programming and run-time systems optionally together on one PC or separated
- Connection to all common fieldbuses and PC interfaces for I/O signals
- Data communication with user interfaces and other programs by means of open Microsoft standards (OPC, OCX, DLL etc.)