



AQUAVISION DI MOTION CONTROLLER HIGH RAIL GANTRY

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 cutting path interactive trajectory software automatically varies feed rate and acceleration based on known features of the job.

Finish

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

Controller Features

- 1.9 GHz Intel® Celeron Dual Core Processor
- 320 GB hard drive
- 3 GB DDR-RAM
- 4 USB 2.0 ports
- Windows 7® Professional, 32 bit
- English language HMI and control

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
- Uses DIN 66025 specification for programming codes

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 pendent or machine tool front panel

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

Software Optional Features

- Surface Mapping - laser mapping of plate material with auto height corrections prior to cutting
- Intelligent Work Envelope - for contour bevel cutting machines (Jet Edge EDGE X-5 models), automatic adjustments to the work envelope based on bevels to be cut.
- Lights Out Cutting Controls - automatic shut down feature in the event of faults in either water or abrasive flow.
- Automatic programmable water raise and lower
- Substitute controller available for non-English language controller requirements
- Contact height sensing and control



Specifications subject to change.

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