

Digital Print Production Controllers

Industrial Inkjet Integration Modules



All-in-One – Plug&Play
Unrestricted Number of Printers
Machine Control – Security Features



Atlantic Zeiser MiniControllers – Industry Benchmark in Versatility and Ease-of-Use

With Atlantic Zeiser's new generation of compact all-in-one controllers, the integration and control of even the most complex digital print production applications becomes as easy as 1-2-3. These highly modular and connectable building blocks combine latest digital image processing and workflows with the proven, unmatched performance of our industry leading machine control and print verification platforms. MiniControllers help dramatically accelerate the installation of printers and accessories on existing production lines. Machine OEMs and system integrators can upgrade their preferred conveyor or web transport base to create their own full-fledged digital printing solution, saving the effort and drawbacks when developing an own machine controller. End customers will enjoy peak productivity and print quality, minimum operator intervention and fast job change-over, helping to raise industrial digital printing's profit potential to new levels.

Typical Applications

- Direct mail, commercial, transactional, security printing
- Package, label, direct product printing
- Frequently changing text, graphics, numbers, bar codes, 2D codes, Datamatrix code
- Coding, serialization, customization, decoration, personalization
- Ingredient information, Track & Trace codes, production data, custom designs, serial codes, patient data, expiration dates, different languages and fonts, addresses and billing information
- Printing on blank or pre-printed products

AZ MiniControllers at a Glance

- Powerful building blocks for easy creation of complex printing applications
- All-in-one ► production controller, ink supply, intuitive software
- Plug&Play ► pre-installed and tested
- Stackable, cascadable
- Multiple printers controlled by one unit; stitchable
- Production machine control
- Print verification and database communication
- Counterfeit protection

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Technical Specifications	AZ MiniController Basic	AZ MiniController Professional
Description	„Everything you need for plug&play integration and control of 1 or 2 printers on your production equipment“	“Contains MC Basic + everything you need to quickly control any number of printers, verify your printed data or control your production equipment“
Dimensions	720 x 550 x 725 mm (excluding wheels)	MC Basic + 225 mm (height)
Printer Control Capability	1 or 2 OMEGA 1 DELTA, optional: 2	MC Basic + any number of identical OMEGA or DELTA modules by simply adding/stacking MC Basic modules
Machine Command Capability	Printer Ready; ink level sensor; ink level lamp	Printer Ready; Start/stop conveyor/web/transport base; activate waste-gate
Inspection Control Capability	-	1 or 2 Cameras + Any number of cameras by simply adding/stacking further MC Pro modules
Typical Inspection Data	-	Track & Trace codes, barcodes, 2D codes, serial numbers, expiration dates, lottery numbers, dosage amounts, names, addresses
Inspection Features	-	Standard: Print + Verify; log 'bad products'; log 'good products'; eject 'bad product' Options: Read + Print; Read + Print + Verify; Read + Search Database + Print; Read + Search Database + Print + Verify; Automatic remake of 'bad products'
Communication Interfaces	USB, Ethernet	USB, Ethernet, configurable I/Os
Standard Delivery	(in conjunction with purchase of 1 or 2 identical spot color printers) Stackable rack housing on wheels; Integrated Industrial PC; Integrated ink supply systems (1 or 2); pre-installed printer software packages (RIP and Job Editor); monitor; keyboard; mouse; power supply	Same as MC Basic + Additional integrated Industrial PC; Machine control software package pre-installed
Options	Additional Industrial PC for increased power (e.g. ultimate processing demands or 2nd DELTA printer); uninterruptable power supply (UPS); language extensions	Same as MC Basic + Inspection package (incl. Cam + Light + VERICAM SW license), Inspection extensions, ProDNA™ Anti-Counterfeiting package

Atlantic Zeiser's High-Resolution, Substrate Flexible Printer Families for Your Production Needs (selection)

- » OMEGA printers (UV inks): Top print quality with spot color; extremely versatile, robust and cost efficient
- » DELTA printers (UV or aqueous inks): Top print quality and productivity with spot color; ink saving
- » GAMMA printers (UV inks): Top print quality with full color CMYK (& White)

Off-the-shelf End-to-end System Solutions from Atlantic Zeiser (selection)

- » DIGILINE Web – digital printing and coding web-to-web for label, booklet label and flexible package printing
- » DIGILINE Sheet – digital printing and coding sheet-fed for carton sheet, mail, transpromo and security printing
- » DIGILINE Single Product – digital printing and coding for different product form factors in package and direct product printing