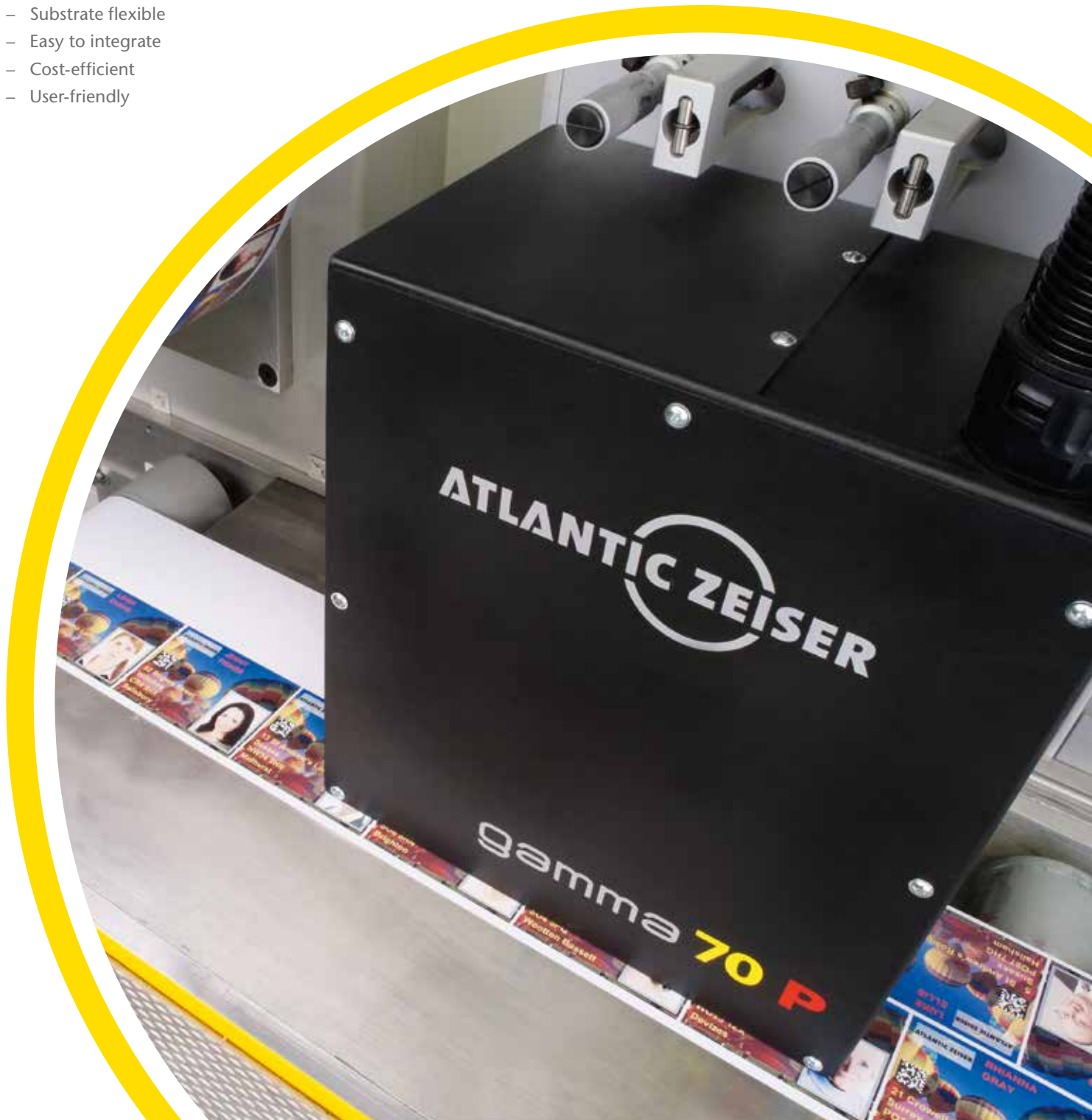![ATLANTIC ZEISER]

gamma & smartcure

Drop-on-Demand Printing and Curing Systems

- – Single-pass full/process color CMYK
- – Top printing quality
- – Substrate flexible
- – Easy to integrate
- – Cost-efficient
- – User-friendly

ATLANTIC ZEISER

gamma Full-Color Inkjet Printing System
Benchmark Print Quality and Versatility

- Meet the technical criteria for modern, cost-effective package and label printing, coding and serialization

- Increase cost efficiency, brand value and product quality

- Achieve top print quality with full color – visual resolution up to 1060 dpi – on a wide variety of substrates with 8-level grayscale printing

- Single-pass photo-realistic product printing

- Allow speeds up to 24 m/min (80 fpm)

- Print width 70 mm (2.75 inches)

- Enhance quality with integrated UV LED pinning (P model)

- Can be run in a stand-alone DIGILINE system (Atlantic Zeiser end-to-end printing solution) or integrated for example into blister machines, packaging lines, label systems

- Standard communication interfaces

- Ready for Adobe PDF

Typical Applications

- Package and label printing

- Frequently changing graphics, text, numbers, bar codes, 2D codes, Datamatrix codes, logos

- Coding, serialization, customization, decoration, personalization

- Custom design, ingredient information, production data, custom designs, serial codes, patient data, expiration dates, different languages and fonts, addresses

- Printing on blank or pre-printed products

Your Challenges

- Short product lifecycles
- Efficient just-in-time production of short runs
- Small batch sizes
- Cost transparency
- Substrate flexibility
- High printing quality

- Inline/offline printing and coding
- Anti-Counterfeiting
- Country specific information
- Different bar code requirements
- GMP requirements

Our Solution

GAMMA printing system for full color package, label printing and coding

Technical Specifications		GAMMA 70 S		GAMMA 70 P	
Print Width		70 mm / 2.75 inches		70 mm / 2.75 inches	
Native Resolution		360 dpi		360 dpi	
Resolution Horizontal	Max. Print Speed	360 dpi	24 m/min	360 dpi	24 m/min
Droplet Volume		6 – 42 pl		6 – 42 pl	
Standard Colors		CMYK		CMYK	
Integrated UV LED Pinning		no		yes	
Smallest Readable Font Size		4 pt		4 pt	
Substrates		a wide variety of coated cartons, aluminum, metals, plastics, polymer foils, glass			
Possible Printing Directions		vertical		vertical	
Ink Types		UVA		UVA	
Jetting Technology		Piezo DoD		Piezo DoD	
Dimensions (h x w x d)		470 x 360 x 260 mm / 18.5 x 14.2 x 10.2 inches		470 x 360 x 260 mm / 18.5 x 14.2 x 10.2 inches	
Communication Bus		USB, Ethernet (to production PC)			
Standard Delivery		printer, adjustable integration bracket, ink supply system, job editor software, production software, controller rack incl. industrial PC, installation kit			
Options		UV lamp dryer, UV LED dryer, Adobe PDF			

Atlantic Zeiser's excellent service and support

- Efficient preventive and corrective maintenance
- Fast emergency and extended service support
- Installation and start-up support
- Remote service support and hotline
- Customized and individual after-sales service concepts

- Tailor-made service contracts
- Professional training and workshops
- Worldwide service network with local service teams incl. part and supply service
- Consulting

Atlantic Zeiser's systems allow the individualization and tracking of each unique product using printing/coding and camera-based product verification. These solutions ensure data integrity and security across the entire production process and throughout the entire supply chain to point of sale – ultimately reducing risk for the consumer. Atlantic Zeiser has decades of experience and core competencies relevant to the pharmaceutical and cosmetics industries and draws on its strong expertise to accomplish system integration projects essential to the implementation of powerful track & trace solutions.

The customers benefit from a proven turnkey solution for in-house printing of required pharma codes as well as safety and anti-fraud codes for cosmetics packaging, including special security inks and fast, reliable customization as required.

Atlantic Zeiser offers the most extensive range of end-to-end high-resolution UV inkjet printing solutions in the industry, including modules and accessories.

SMARTCURE – The formulated curing technology for your requirements

The UV LED Curing Technologies are standing for drastically reduced operating costs due to increase in operating life and decrease in energy consumption. There is no generation of hazardous ozone and practically there is no heat radiation onto the substrate. We call this eco-friendly curing technology.

SMARTCURE ideally match with Atlantic Zeiser inks and printers.

Technical Specifications	SMARTCURE 75/400
Illuminated Area (w x l)	75 x 50 mm / 3 x 2 inches
UV LED Power Output	8 W/cm²
Module Dimensions	120 x 120 x 210 mm / 4.7 x 4.7 x 8.3 inches
Curing	UV LED
Required Cooling Capacity	1.7 kW
Required Refrigerant Flow	6 l/min
Ideally Suited for Use with	GAMMA 70 S / GAMMA 70 P
Available Inks	Atlantic Zeiser inks
Standard Delivery	curing module; curing controller
Options	cooling unit; UV shield

Atlantic Zeiser's high-resolution, substrate flexible printing systems for your production needs

• OMEGA printing systems (UV inks): high printing quality with spot color; extremely versatile, robust and cost-efficient
• DELTA printing systems (UV or water-based inks): high printing quality and productivity with spot color; ink saving
• GAMMA printing systems (UV inks): high printing quality with full/process color CMYK

Atlantic Zeiser leverages its combined competencies to meet your requirements

• Management software solutions
• Inkjet printing systems
• Individualization systems
• Ink