

ED SERIES

High-Speed Modular Piezoelectric Inkjet System

Independent negative-pressure ink supply / Multiple-printhead expansion / UV curing options

10

models

72 mm

Maximum print width per head

440 m/min

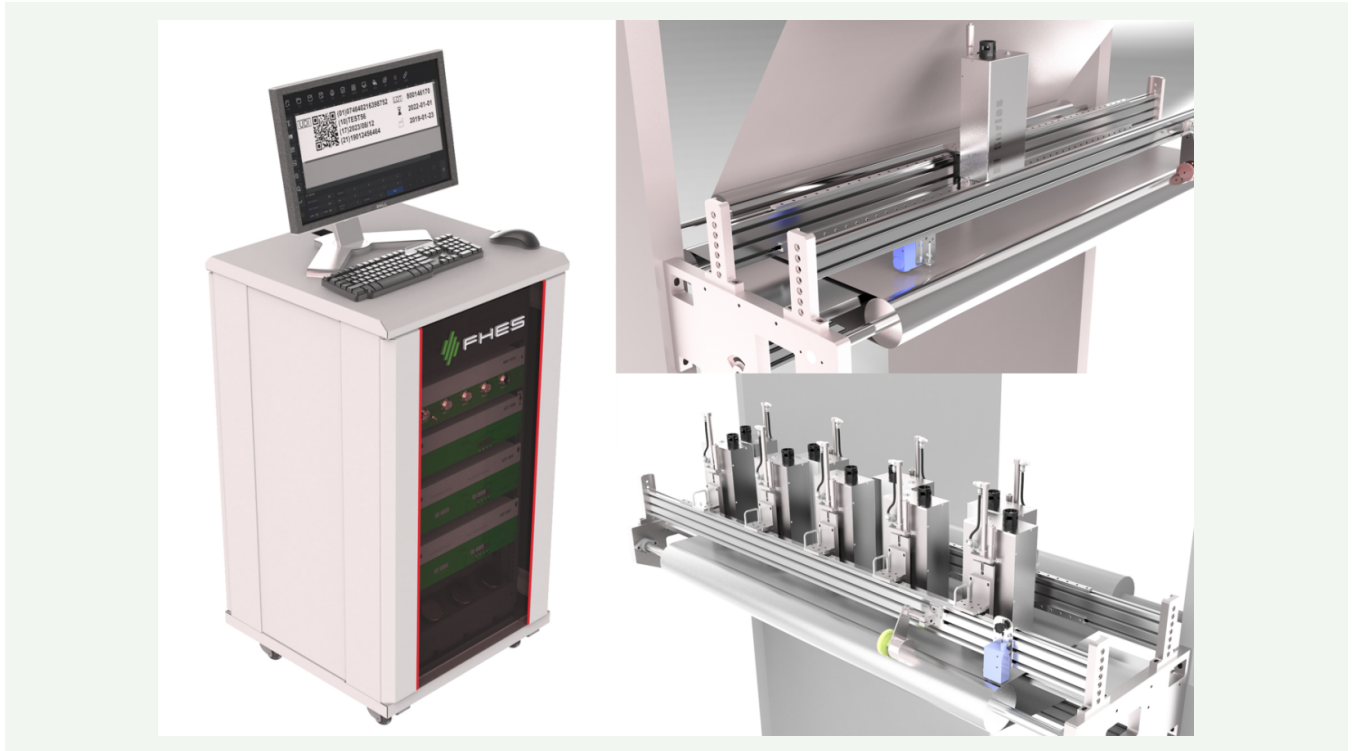
Maximum series print speed*



* 440 m/min applies to ED100S. See page 3 for ten model specifications and speed test conditions.

Printing capability for high-speed continuous lines

For packaging printing, slitting, inspection and laminating lines. Select head combinations by print width, resolution and speed.



ED-series mainframe and multi-foster installation (source product diagram)

01 / MODULAR

Modular printhead combinations

Add or remove heads for the target print width. Multi-axis adjustment on the head assemblies fits existing equipment space.

02 / INK SYSTEM

Independent negative-pressure ink supply

According to the source, one negative-pressure supply unit is designed for up to two heads. Multiple units can be managed separately.

Selection should also consider web speed, print orientation, substrate surface, ink adhesion and curing space.

02 / Model specifications

Specifications for all ten models

Print height, native resolution, drop volume and print speed.

ED100 / ED200 / ED300

Technical Specifications	ED100	ED200	ED300
Print height / mm	32.4	54	54
Native resolution / dpi	300	600	600
Drop volume / pL	7	7	5
Print speed / m/min	220	110	153

ED70 / ED70M Plus / ED70 Plus / ED70S

Technical Specifications	ED70	ED70M Plus	ED70 Plus	ED70S
Print height / mm	72	72	72	72
Native resolution / dpi	180	360	360	360
Drop volume / pL	50	12	35	30
Print speed / m/min	68	51	35	114

ED70S+ / ED100S / ED200S

Technical Specifications	ED70S+	ED100S	ED200S
Print height / mm	72	32.4	54
Native resolution / dpi	360	300	600
Drop volume / pL	30	7	7
Print speed / m/min	228	440	220

Note: The listed print speeds are measured at native horizontal × vertical resolution, in m/min.

Modular ink supply and precision adjustment

Combine ink supply, heads and mounts for each job to fit different widths and existing lines.

≤ 2

heads / negative-pressure
supply unit

19"

Reference monitor size

1080p

Reference display resolution

01 / NEGATIVE PRESSURE

Independent ink-supply units

Configure each supply unit for up to two heads;
manage the status of each unit separately.

02 / ADJUSTMENT

Multi-axis printhead adjustment

Aluminum-alloy head assemblies and
stainless-steel rails allow relative-position
adjustment after installation.

03 / EXPANSION

Plug-in modules

Plan additions or removals of heads and ink
paths based on model, control resources and
mounting space.

04 / INDUSTRIAL PC

Industrial control platform

The original configuration list contains i7 / 16
GB controllers and 1920 x 1080 monitors.

On-site checks for multi-head systems

Define head count, stitched width, ink-path count, sensor positions, encoder mounting and UV-lamp arrangement. Then design for the space and speed of the printing, inspection or slitting machine.

Editing, data and line communication

Easyprint supports common print objects and offers database jobs and network communication interfaces.

01 / CONTENT

Layouts and barcodes

Supports static and dynamic text, images, counters, dates, 1D barcodes and QR codes.

02 / VARIABLE DATA

Database printing

The source lists TXT, Excel and CSV imports for item-level variable printing.

03 / CONNECTIVITY

Remote jobs

The Ethernet interface with the serial interface is interfaced with the external system; the software includes Socket network communications and remote control.

04 / SCAN TO PRINT

Scan-driven jobs

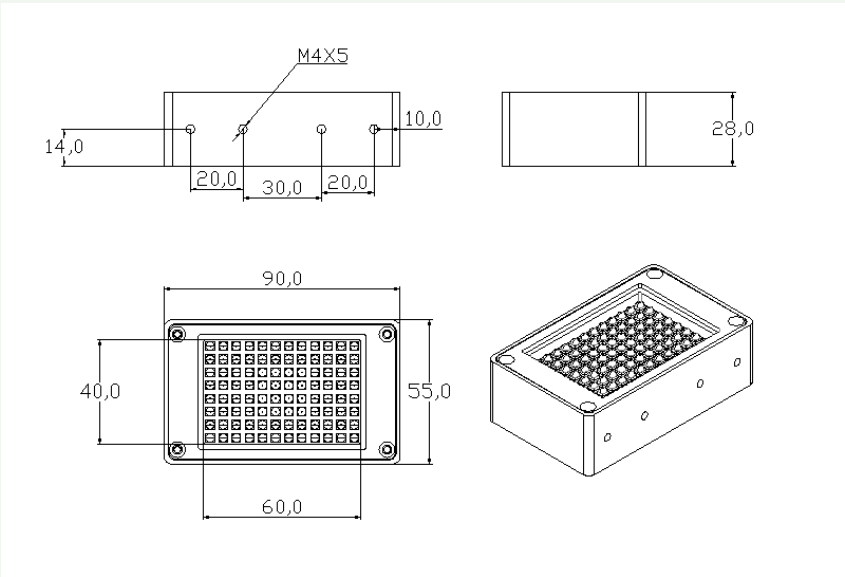
Supports scan-to-print, printing after data lookup and template switching by scan.

Common coding capabilities

1D barcodes	Code 39, Code 93, Code 128, GS1 Databar, etc.
QR Code	QR Code, DataMatrix, PDF417, etc.
Other applications	UDI; daily export of print logs
Confirm software functions, licensing and external protocols in the project version and integration documents.	

Match UV curing to ink and substrate

Select LED UV lamps for print width, speed and installation space.



Illustrative head-assembly dimensions. Follow drawings for the chosen assembly.

Water cold LED lamp reference specifications / SL-64B1 Example

Wavelength	395 nm
Irradiation area	60 × 40 mm
Suggested irradiation distance	5–10 mm
Power supply and electrical power	AC 220 V / 50 Hz; 300 W
Cooling and control	Water cooling; encoder-based power control with line speed

The lamp is an example in the source, not standard on every ED model. Validate UV-ink curing with actual material, ink layer and line speed.

System interfaces and operating conditions

General specifications come from the source ED data and vary with head count, ink and supporting hardware.

Machine and printing

Printheads and ink	Industrial piezoelectric heads; the source lists imported UV-curable ink
Print content	Text, graphics, 1D barcodes, QR codes and variable data
Supported materials	Paper, tinplate, glass, ceramics, aluminum foil, PP, PE, PET, OPP, etc.*
Ink-supply system	Negative-pressure supply; up to two heads per supply unit by design
External interfaces	Serial, Ethernet, photoelectric sensor, encoder and head interfaces
Synchronization signal	The source lists a 5 V differential encoder; sensor supports NPN / contact type
Supply voltage and power	AC 220–240 V / 50–60 Hz; 1000 W stated in the source
Operating environment	The source lists -10 to 40 °C and 10%–80% relative humidity (non-condensing)

* The material list indicates possible ink options; adhesion and durability are not guaranteed without testing.

Specification check

Power demand may differ by heads, UV lamps, computer and ink path. Confirm power and environmental range from configuration drawings before delivery.

From samples to line installation

Provide print jobs and material samples to confirm head combination, ink, curing and site interfaces.

Standard system components and options

Control and software Industrial PC, monitor and Easyprint layout and printing software

Printing and ink path Piezoelectric head assemblies, multi-axis adjusters, negative-pressure supply units and ink tanks

Synchronization and alarms Encoder, registration-mark or product sensor, audible/visual alarm

UV accessories LED curing lamps and mounts, selected for ink and model

Provide for system selection

Print content and dimensions / Substrates and samples / Line speed and direction

The resolution / ink colour and performance / docking protocol and installation space required



Product enquiries: 0574-87296000

Edition: 2026.09. Specifications are compiled from the supplied ED Series technical data. Confirm models, components, performance and installation in final documents and actual tests.