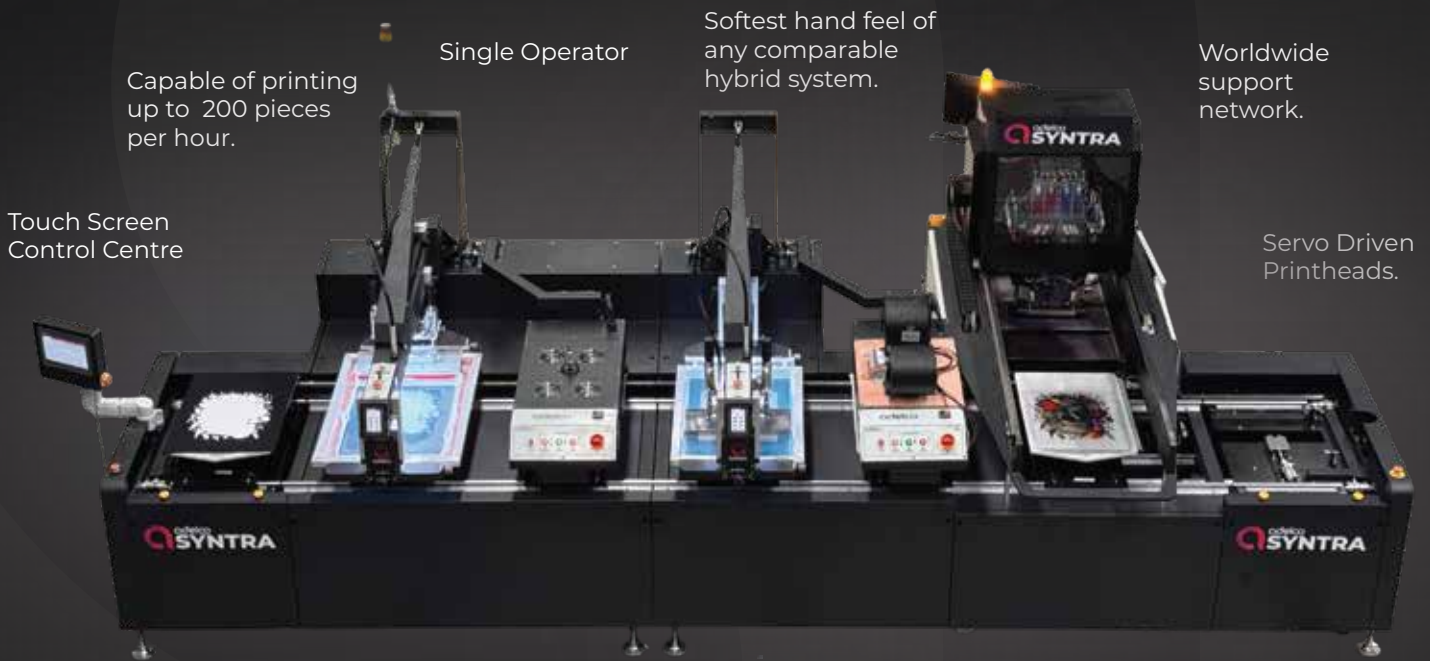


adelco SYNTRA

A high-speed Inline solution, combining a **Screen Print** white base with the unlimited colour capability of **digital**.





Adelco's Complete Inline Screen & Digital Production Solution.

The Syntra pairs Adelco's screen press with the Adelco Digital Printer. Garments are loaded once and travel through the complete print sequence — screen colours first, digital detail on top — before passing directly to drying. The result is a production workflow that achieves what neither process can accomplish alone.

Unmatched Production Speed

With the Adelco Digital Printer integrated directly into the press line, the Syntra achieves up to 200 garments per hour — delivering high-complexity, multi-technique print jobs at a throughput previously impossible with digital-only systems.

Lowest Ink Cost Per Print & Eco-Conscious Production

The screen-printed base dramatically reduces the digital ink coverage required for each garment. By using conventional screen inks for solid areas and confining digital inks to detailed, variable elements, the Syntra consistently delivers the lowest cost-per-print of any hybrid system on the market.

Combining eco-friendly pigment inks with reduced ink consumption per print, and eliminating the need for multiple separate production runs, the Syntra is a genuinely greener way to produce premium decorated garments at scale.

Exceptional Print Quality

Industrial-grade Ricoh print heads — the latest generation with full ink recirculation through the nozzles — ensure consistent, nozzle-drop precision across every print. Paired with a screen-printed base, digital colours achieve richer saturation and superior opacity on both light and dark fabrics.

The Softest Hand Feel on the Market

By minimising overall ink deposit through the hybrid approach, the Syntra produces the softest, most comfortable hand feel of any comparable system — a measurable advantage for garment brands and retail decorators alike.

Digital Printer sizes (cm)	40 x 50 cm
	50 x 70 cm
	60 x 80 cm
Printing Resolution	800x1200dpi, 800x1800dpi
Printing Fabric	Cotton, linen, silk, nylon, polyester, viscose, etc.
Max Printing Area	600x800mm
Max Speed	200 pcs/h
Ink System	Waterbased Pigment Ink
Max Media Thickness	25mm
Ink Supply System	Auto negative pressure ink supply system
Ink Capacity	5L/colour
RIP Software	ColorGate

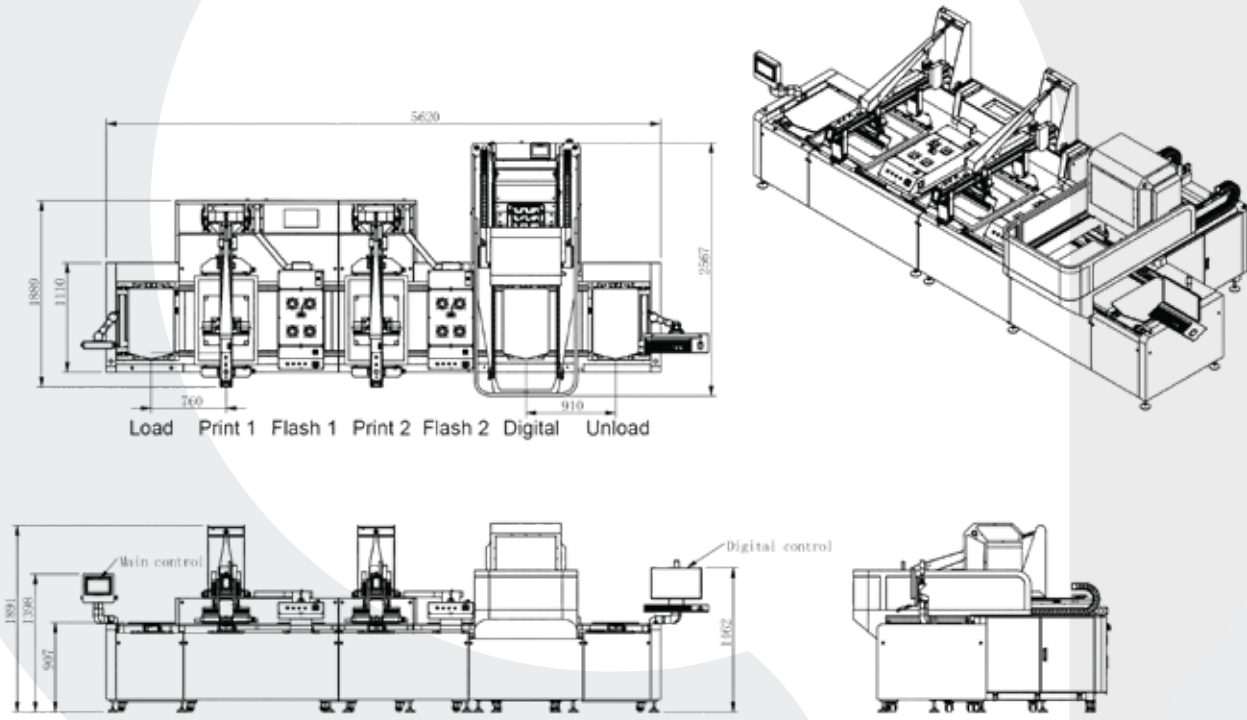
Printhead Maintenance	Self-Cleaning
	Auto Ink Wiping System
	Built in Humidifier
	Built in Ink Recirculation System
Power Supply	220vAC, single phase, 50/60hz
Work Environment	Temperature 25-28°C, Humidity, 55%-65%
Print Heads Latest generation & technology, recirculating ink through the nozzles.	40 x 50cm 4 Colour - 8 x print heads
	40 x 50cm 6 Colour - 12 x print heads
	50 x 70cm 4 Colour - 10 x print heads
	50 x 70cm 6 Colour - 15 x print heads
	60 x 80cm 4 Colour - 12 x print heads
	60 x 80cm 6 Colour - 18 x print heads

Adelco's Complete Screen & Digital Inline Production Solution

Space-Saving Inline Design

The Syntra's intelligent inline layout incorporates the full digital print station without increasing the overall footprint significantly. Introduce the most advanced hybrid production capability available without sacrificing your floor space.

Below is the layout drawing of the Syntra, showcasing the small and flexible footprint:



How the Adelco Syntra Inline Solution works

