

SUPERTECH 40 Series

The Bestech has a proven track record and high recognition in the market for its superb printability on cardboard and other substrates. An enhanced version of the Bestech has debuted as the SUPERTECH! Featuring a full range of new and improved functions, the SUPERTECH will be exhibited at DRUPA 2008. The SUPERTECH'S key features and specifications are explained below.

Akiyama's patented cylinder configuration

Inheriting the unique cylinder configuration from the Bestech series, based on single-sized plate and blanket cylinder, a common impression cylinder of triple-size diameter, and transfer cylinders of quadruple-size diameter. This configuration provides outstanding printability on stock ranging from thin paper to board.

Faster maximum printing speed

The maximum printing speed has been increased to 16,500 sph.

Newly developed sucker head

The newly improved sucker head is adopted to endure even at high printing speed.

New exterior design

The exterior design is based on ergonomics and makes the operation more comfortable for operators.

New swing fan-out system

New swing fan out system improves the precision and accuracy of registration adjustment.

Air sidelays

Air sidelays are newly adopted. It prevents scratching even with thick papers.

Overrun prevention system

To prevent overruns, vacuum wheels on sidelays are adopted in addition to the vacuum wheel in the center of the feedboard. Also, auxiliary head stops are included.

New paper thickness adjustment

The height of the transfer cylinder gripper base can be easily changed to facilitate changes in sheet type from thin paper to cardboard by one-touch operation.

Dampening water level sensor

Dampening water level sensors are equipped as standard. This prevents a possible accident caused by water starvation or overflow in the water pan.

New ultra sonic double sheet detector

Advanced ultra sonic double sheet detector with improved accuracy is standard equipment.

Maintenance free-swing double-cam

With newly designed swing double-cam system, lubrication is done automatically.

New operation stand (ACC)

The ACC (Akiyama Color Control) operation stand is seamlessly joined with the main press. Along with its improved design, the operation stand has been updated to incorporate a number of new functions.

First, the new ACC operation stand supports higher control speeds of the ink-key motors within the press, so that the values entered at the stand are enacted by the ink keys in half the time. The benefit is that printing jobs can go full-scale more quickly and press time can be used more effectively. Also, the new operation stand employs a touch panel. This is significant news for the operator, who can now easily perform various operations simply by touching the screen.

The enhanced troubleshooting and maintenance reminder functions contribute to the efficient operation of the press. Because the customer will perform regular preventive maintenance based on alerts from the ACC, sudden stops and other problems in the press can be prevented.

Main Specification

SUPERTECH 40 *Series*

Model		Supertech440	Supertech540	Supertech640
Colors		4/0	5/0	6/0
Max. printing speed	sph	4,000 ~ 16,500		
Max. sheet size	mm	720×1,020		
Min. sheet size	mm	360×540		
Paper thickness	mm	0.04 ~0.8		
Max. image area	mm	710×1,020		
Plate size	mm	800×1,030		
Blanket size	mm	975×1,035		
Max. feeder pile height	mm	1,150		
Max. delivery pile height	mm	1,100		
Overall length	mm	8,361	10,406	10,311
Overall width	mm	3,900		
Overall height	mm	2,410		
Machine weight	kg	34,000	49,000	49,500
Power requirements	kW	50.5	60.5	80.5

Machine design and features are subject to change without notice for the purpose of product improvement and technological progress.

The stated speed indicates mechanically feasible capabilities. Actual speed may vary, depending on the printing image and paper type.