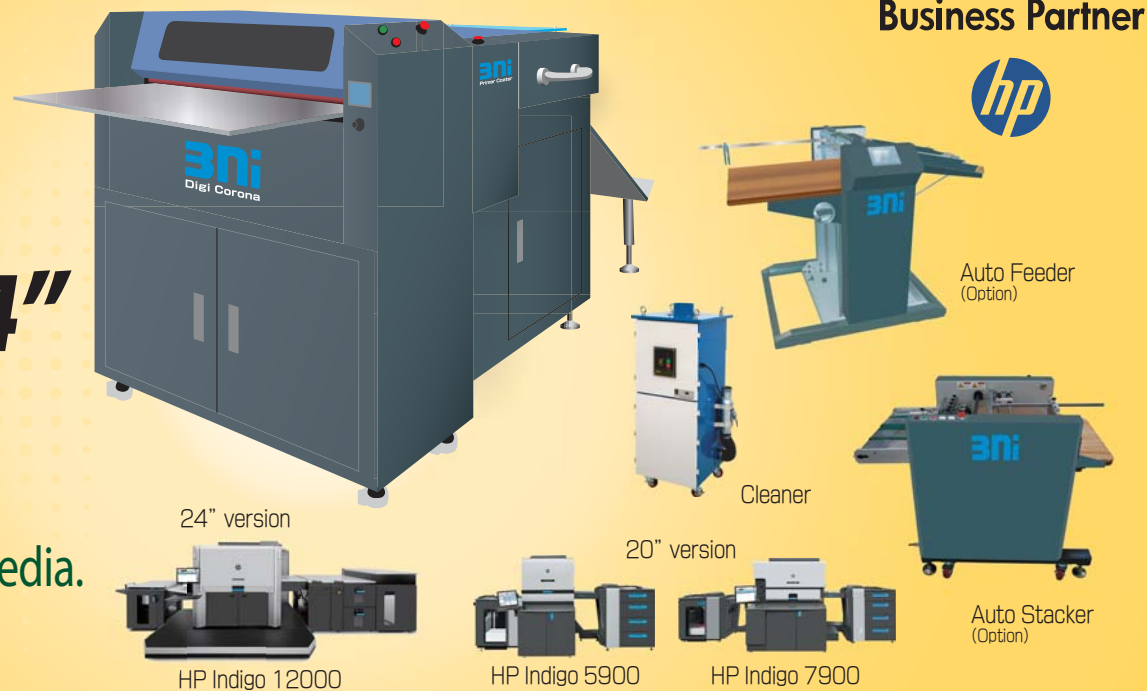**Business Partner**

hp

3ni

Digi Co-Primer 20"/24"

Corona Treatment and Primer Coater

Combination design of corona pre-treatment and primer coating for all types of digital print media.

20" version: SRA3 Landscape
24" version: B2 Portrait

Auto Feeder (Option)

Cleaner

24" version

20" version

Auto Stacker (Option)

HP Indigo 12000

HP Indigo 5900

HP Indigo 7900

Digi Co-Primer is designed to improve the printing, coating, laminating quality on the substrate of lower surface tension as paper, plastic, etc. by increasing surface energy. Corona treatment and primer coating method are universally used in printing industry like flexible packaging, label, lithographic printing. Digi Co-Primer is downsized compact system applicable all types of digital print media before printing. Corona treatment unit and primer coater are independent each and can be used together. Therefore, it is possible to have each system separately in case.

1. What is corona treatment ?

Corona treatment is a very useful solution to increase the surface tension of material for much more receptive to inks, coatings, and adhesives.

2. What is primer coating ?

A primer or undercoat is a preparatory coating put on materials before printing. Priming ensures better adhesion of inks to the surface, increases print durability, and provides additional protection for the material being printed.

3. What types of materials can be treated by corona treatment or primer ?

Corona treating or primer coating is applicable to polyethylene, polypropylene, nylon, vinyl, PVC, PET, metallized surfaces, foils, paper, paperboard stock, and other materials.
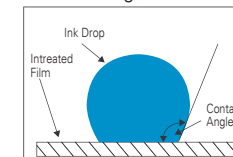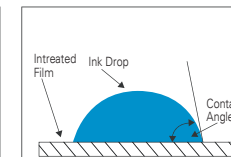
PET

Surface Tension

Before

After

Contact Angle

Ink Drop
Intreated Film
Contact Angle
Before

Intreated Film
Ink Drop
Contact Angle
After

Specification

Power Source	Corona - 200V~415V, 50/60Hz Single Phase Primer - 200V~415V, 50/60Hz Three Phase	Heater Power	8 KW
Power Consumption	Corona : 2 KW, Primer : 9 KW	No. of Tank	2 tanks
High Frequency output	7 KV	Automatic Primer Pump	Circulation type
Operating Frequency	20~50 KHz	Line Speed	Max. 30 meter/min.
Recifier	IGBT Type	Coating System	Silicon roller coating
Operating System	Conventional button	Dimension (Corona + Primer)	(20") L 2.20m x W 0.87m x H 1.05m
Max. Generating Bar Length	(20") 530 mm, (24") 635 mm		(24") L 2.36m x W 1.03m x H 1.11m
Standard Type of Generating bar	Aluminium bar(Option-Ceramic bar)	Weight (Corona + Primer)	(20") Approx. 300kg
Standard Dielectric Substance	Silicone roll(Option-Ceramic Roll)		(24") Approx. 330 kg
Dielectric Substance Roll Width	(20") 600 mm, (24") 720 mm	Option	Auto Feeder/Auto Stacker
Working Width	(20") 520 mm, (24") 624 mm		Double-Feeding Detection, Anti-Static