

## Specifications

Name		COSMO Hybrid Powder Spray System		
Model		CHP-21-6 / 3-6	CHP-21-8 / 3-8	CHP-21-10 / 3-10
Press Size		26 & 28"	32 & 40"	44 & 50"
Power		3-phase 200V 50Hz / 60Hz		
Current		Approx. 3.8 / 3.9 A		Approx. 5.5 / 6.2 A
Power Capacity		Approx. 1.4 kVA		Approx. 2 kVA
Quantity Control		Self-Adjusting (Responding Speed 3,000~20,000 sph)		
Metering Method		Speed-Controlled Metering Roller		
Components		Main Body / Junction Box / Nozzle Bar / Blower Pump		
Dimensions (W × L × Hmm)	Main Body	300 × 200 × 420		
	Junction Box	253 × 100 × 225		
	Nozzle Bar	790 / 830 × 38.2 × 91.8	930 / 1130 × 38.2 × 91.8	1230 / 1430 × 38.2 × 96.8
	Blower Pump	467.4 × 290.4 × 353.9      630 × 328 × 342.9		
Operative Conditions		Temperature: 5 - 30°C Humidity: Less than 60%		

Integrated Communication Control.....CHP-3-6 / CHP-3-8 / CHP-3-10  
Automatic Nozzle Selector.....CHP-3-8 / CHP-3-10



Specifications and appearances of the Products are subject to change without notice.  
Please be advised that the values and figures written on the Brochure may not apply in certain conditions or environment.

Recommended Product

## ECOLI CLEAN POWDER

[ECO Friendly Spray Powder]

Powder dispersion and consumption being minimized, your printing environment will be improved drastically.



- Benefits**
- Clean Environment
  - Even and Uniformed Application of Powder
  - Minimized Print Quality Problems

By **FUJIFILM Corporation** please contact at <http://ffgs.fujifilm.co.jp>

●Distributor

—Revolution in Offset Printing—

# CHP-3

Powder Spray System

# CHP-21



ALMOST POWDERLESS

# Reliable Technology & Added Value

CHP-21 / 3 sprays only necessary amount of powder onto printed sheets evenly and prevents ink set-off resulting from wet ink. The system's operation is linked with which of printing presses.

We embodied an ideal system gathering all the technology and experience we have. CHP-21 / 3 overturns the standards of powder spray systems and cuts down printers' powder consumption drastically.

## Drastic Cut-Down in Powder Consumption

— 3 elements to increase spraying efficiency and to reduce powder scattering —

### 1 30% Stronger Blowing Force (Comparing with our previous model)

Air flow having been reviewed, blowing force has been increased by 30% though the pump is the same as the previous model. Additionally, the nozzle's blowing angle has been optimized. As a result, spraying efficiency (a rate that powder grains get onto sheets) has been increased by 30%.

### 2 Precise Metering

The well-reputed large metering roller has been further improved. Its metering is stable even if the powder amount is very little. Durability and precision have been much improved.

### 3 Even Distribution

Owing to the newly-designed powder-air mixing part and the distributor, more even distribution has been realized. There are less "over-sprayed" areas; therefore, superfluous powder is subdued. This contributes to ink set-off prevention with a minimum amount of powder.

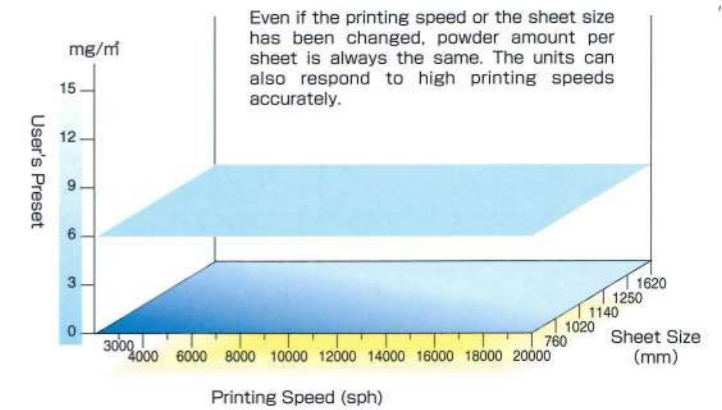
#### Benefits

- Lower Costs
- Longer Maintenance Intervals
- Cleaner Working Place
- Comfortable and Healthier Environment
- Minimized Effect on Post-Press Jobs
- Minimized Residue on Blanket Rollers

## Cutting-Edge Technology

### 1 High-Precision Metering

A preset spraying amount is metered by a high-precision metering device. Its performance is stable and precise enough to meter the amount which is equivalent of a spoonful of powder at the printing speed of 10,000 sph.



### 2 Self-Adjusting System

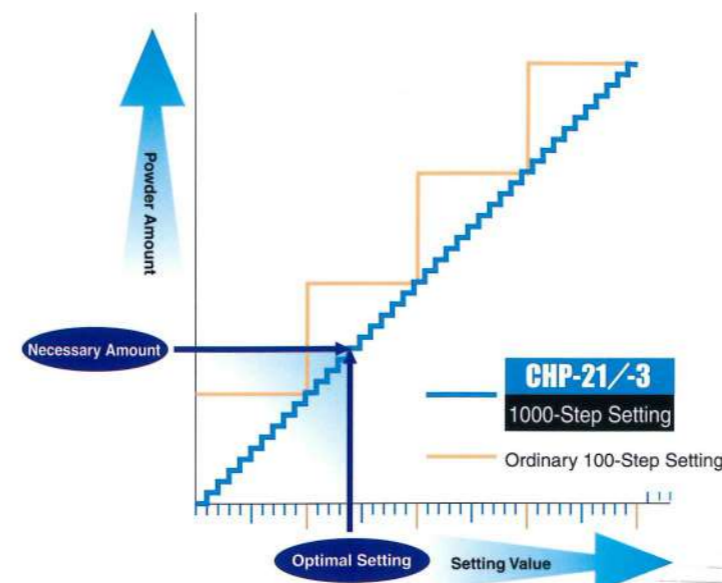
Spraying amount is adjusted automatically according to the printing speed and the sheet size. Even during high-speed printing (printing speed of 20,000 sph), the same amount of powder is sprayed onto sheets evenly.

### 3 Uniform Spraying

Powder metered by the high-precision metering device is distributed evenly to each nozzle by a strong blow (increased by 30% comparing to our previous model). Well-balanced, uniform spraying is possible.

### 4 Fine Adjustments 0-999

Spraying amount can be set by 0.1 % according to users' needs. Users can make broad yet thorough adjustments to find the best setting. Setting procedures are quite easy and done with UP / DOWN keys.



### 5 Touch Screen

A large touch screen achieved both display of affluent information and easy operation. Its graphic display is also recognizable. Error messages will be shown on the display when the system's failure or malfunction.



### 6 Automatic Nozzle Cleaning

The powder traveling line is cleaned by automatic air blow lasting for a certain period after each operation to keep it from clogging.

### 7 CHP-3-8 / -10 Automatic Nozzle Selector

A spraying width is automatically changed according to the inputted sheet size, which minimizes the superfluous powder.

### 8 CHP-3 Integrated Communication Control

The system's operation and information can be comprehensively controlled on the press' console. The system controls a spraying width without inputting the sheet size.