SPECIFICATIONS

Name		PeDeS 1						PeDeS 2					
Model		2SR1	4SR1	2SR2	4SR2	2SR3	4SR3	2SR1	4SR1	2SR2	4SR2	2SR3	4SR3
Power Supply		3-phase 200V											
Roller Temperature Controller	Temp. control	Heating/ cooling control											
	Cooling control	Water cooling with solenoid valve											
	Heating control	Heater											
	Temp. controller	Platinum temp. detector											
		Remote control for chilling unit											
	Water piping	Closed circuit											
	No. of temp. controls	2	4	2	4	2	4	2	4	2	4	2	4
	Cooling tank	Outdoor pressure tank (Embedded expansion tank, water circulating pump)											
	Other functions	ON/OFF setting by weekly timer (Setting on a touch screen)											
Fountain Solution Refrigerating Circulator	Temp. control	Water cooling typed refrigerator											
	Temp. controller	Platinum temp. detector											
	Cooling capacity(50/60Hz)	6.1/7.3kW		12.7／13.8kW		15.9／18.7kW		6.1/7.3kW		12.7／13.8kW		15.9／18.7kW	
	Refrigerant gas	R407C											
	Water supply	Directly from the a tap											
	No. of supply pumps	1		2		2		1		2		2	
	Water tank capacity	App. 150 L (Fixed quantity)											
	Return accumulator	Free fall method											
	Etch control	Quantitatve dilution/ pH control switching											
	IPA control	Alcon (Detecting by surface tension)											
	Etch・IPA tank	Capacity App. 10L (incl. low capacity sensor alarm)											
	Other functions	Water level control in a water tank (with pressure sensor)											
Filtration System	Connection	Outline of fountain solution refrigerating circulator											
	Filtration capacity	36～65 L/ min											
	Housing	A-housing (500mm filter cartridge 5pcs) / B-housing (500mm filter cartridge 5 pcs)											
	Filter cartridge	A-filter (3μm) 5 pcs / B-filter (1μm) 2 pcs / C-filter (absorbent) 3 pcs *Above filter combination is standard.											
Dust Collector	Power supply	3 phase 200V Input breaker 30A 50Hz or 60Hz (*Separate powder supply for roller temp. controller, fountain solution circulator and filtration)											
	Operation control	Controlled by switch or external signal of AC 200V											
	Motor	Dust collector: 2.2 kw / Blower fan: 0.2 kw											
	Dust collection	Cyclon											
	Anti-explosion	Yes											
	Air volume	Dust collector: 30㎥/min / Blower fan: 8㎥/min (60Hz)											
	Static pressure	Dust collector: 1.96 kPa / Blower fan: 1.15 kPa (60Hz)											
	Filtration area	4.9㎡											
	Filter cloth material	5 pieces of tetronic antistatic satin											
	Filter cloth dimention	φ105×1000 15 pcs											
	Brush-off function	Vibration (manual)											
Blower Cabinet	Temp. control	—						Cooling control					
	Cooling control	—						Water cooling by solenoid valve					
	Heat exchanger	—						Condenser A-type / Condenser B-type *Depends on heat volume of cabinet					
	Fan for heat exchanger	—						A-type: 2 fans per 1 condenser / B-type: 1 fan per 1 condenser					
	Temp. controler	—						Temp. controller with platinum temp. detector					
	Water piping	—						Closed circuit					
	No. of temp. controls	—						1					
Touch Screen		7 inch color crystal liquid touch screen											
Error Display		Displayed by cooling error, circulating pump error, high pressure error in a housing of filtration system, etc.											

Name	DC Inverter Chiller Water Chilling Unit						
Model	IV	V	VI	VII	VIII	IX	X
Cooling Capacity	12.5kW	19.0kW	25.0kW	37.5kW	50.0kW	63.0kW	75.0kW
Ref. gas	R410A						
Ref. gas control	Electric expansion valve						
Temp. control	Electric thermostat						
Capacity control	35～100%	20～100%					
Protector	High-pressure switch, overload relay for compressor, inverter overload protective device, fusible plug, fan motor protection thermostat						

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.

COSMO TECH

http://www.cosmotech-jp.com
E-mail:KYOTO@cosmotech-jp.com

12-2 Fukakusa Zendoji-Cho, Fushimi-Ku,
Kyoto, 612-8433, Japan

Tel :+81 75 621 7431
Fax :+81 75 621 7473

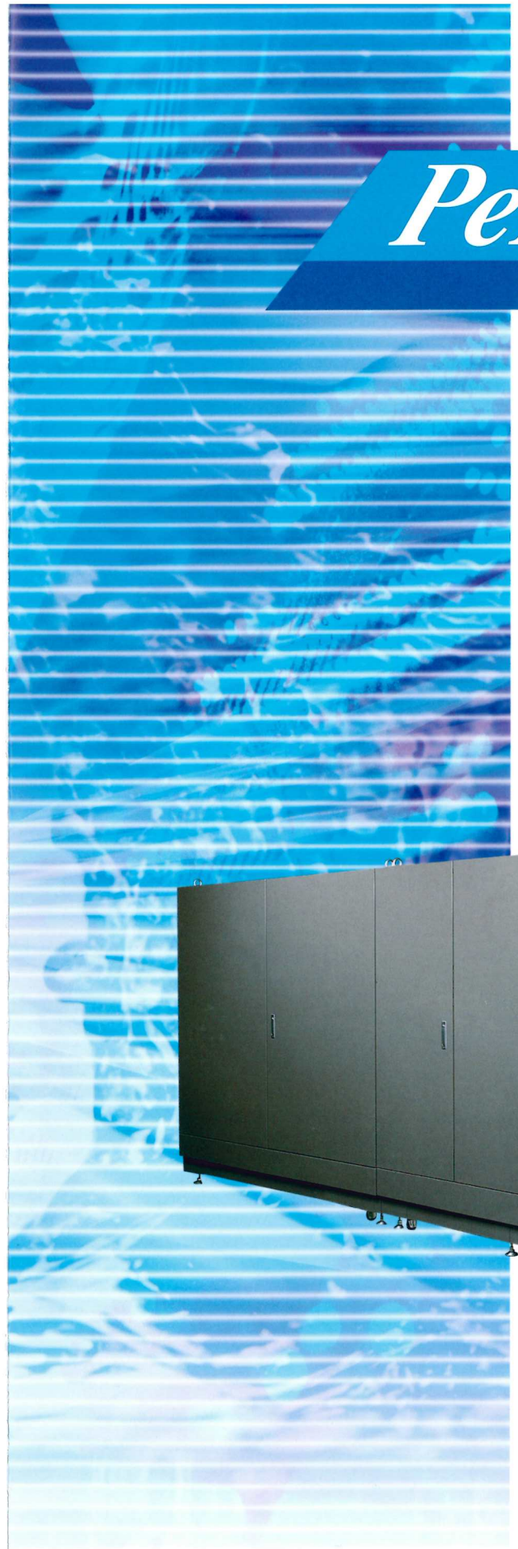
JAB QMS, EMS Accreditations R031,RE009
ISO 9001/14001 QC06J0048 EC07J0071
UKAS ENVIRONMENTAL MANAGEMENT 051
UKAS QUALITY MANAGEMENT 051

Registered establishment: Cosmotech Co., Ltd. headquarters and Kyoto Factory.

Registered coverage: Design, development, manufacturing, sales, installation and maintenance of peripheral equipments for printing and book binding. Equipments certified according to ISO 9001 are fountain solution refrigerating circulator, roller chiller, powder spray system, fountain solution filtration system and double sheet detector.

●Distributor

0803-03



All-in-one Peripheral Device for Printing Press

PeDeS Periphery Device Solution

PeDeS aims to realize "High performance", "Eco-friendliness"and "Aesthetic design".

PeDeS is an ultimate multirole unit combined dust collector, fountain solution refrigerating circulator, roller temperature controller and blower cabinet chiller in one unit. Meeting customers' high demands, Cosmotech has presented a peripheral device solution for printing press and printing environment.

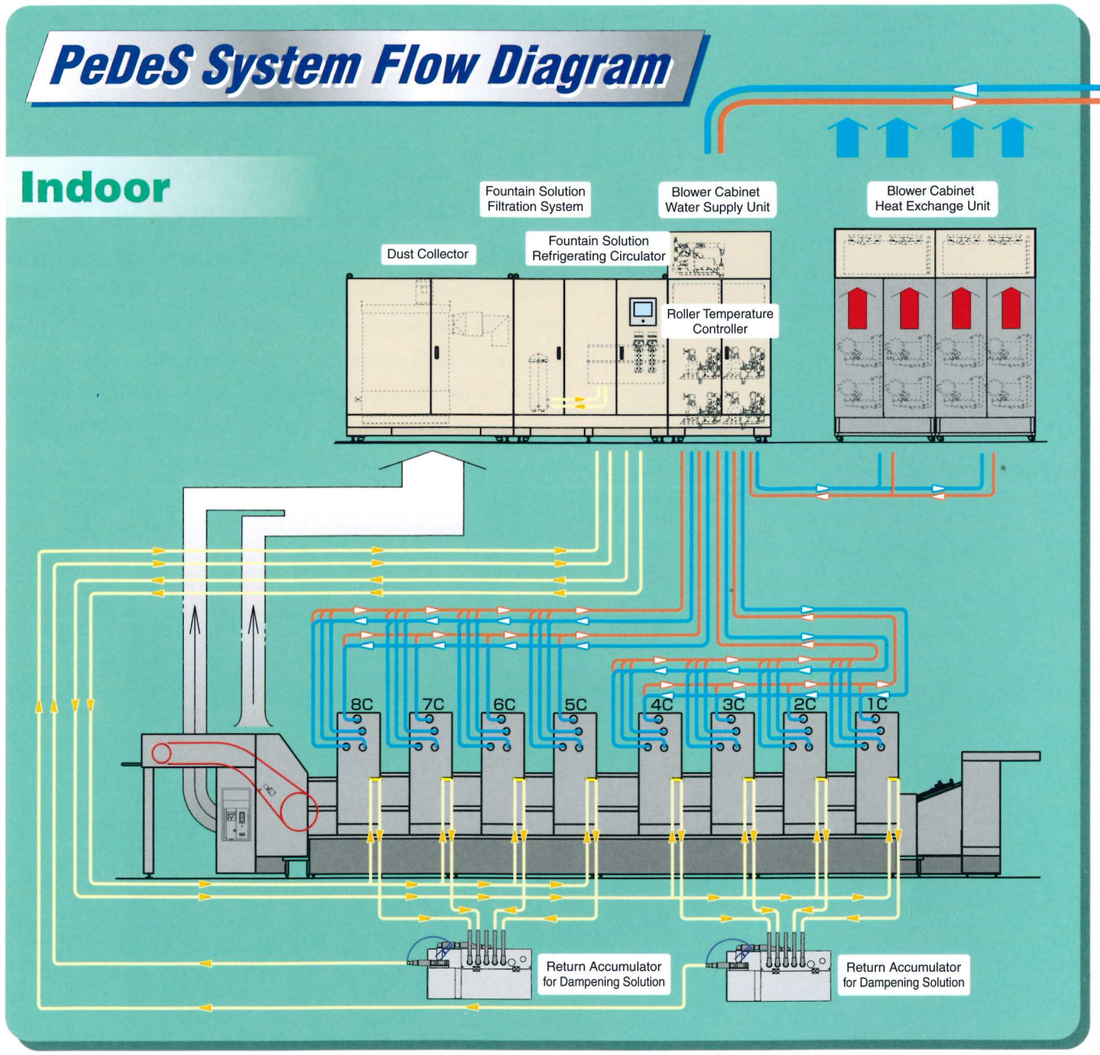
COSMO TECH

We have been aiming to create
an ideal environment for printing.

PeDeS

Periphery Device Solution

PeDeS System Flow Diagram



QUALITY

- Inverter chiller and closed cooling water circuit ensure steady cooling water temperature control. (Function of roller temperature controller)
- Digital scroll compressor ensures steady dampening solution temperature control. (Function of fountain solution refrigerating circulator)
- Function of fountain solution refrigerating circulator comes equipped with automatic water feeding, Etch control (quantitative dilution - pH) and IPA control.
- Function of fountain solution filtration system comes equipped with high quality filters and it enable high efficiency of filtration and long life of dampening solution.
- Embedded function of dust collector with cyclonic system and explosion-proof structure prevents decreasing suction power caused by clogged filters and ensures the safety against dust explosion.

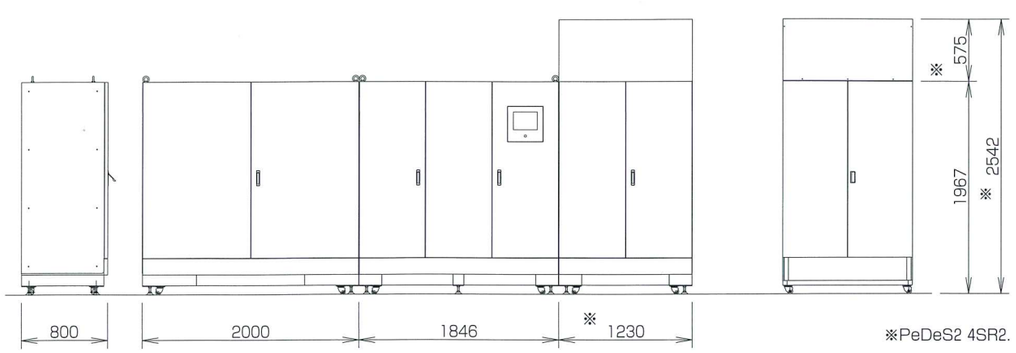
ECO

- Significant energy saving effect with an inverter chiller and a digital scroll compressor.
- Closed cooling water circuit is adopted for piping and it helps to reduce red rust and prolongs the cooling water life.
- Function of fountain solution filtering system reduces requirement for exchange of damping solution and amount of waste dampening solution.
- Heat from peripheral devices is exhausted to outdoor and it makes better environment of air-conditioning.
- Heat exchange by a water-cooled condenser doesn't influence to intake/outtake air in a room. (Function of blower cabinet)
- Equipped eco-friendly R407C・R410A refrigerant.

AESTHETIC

- Beautiful feature is realized by placing all peripheral devices in uniform cabinets.
- A high-definition 7 inch color touch screen achieved both display of affluent information and easy operation.
- Retained water can be reduced by adapting an inverter chiller, and it minimizes space for roller chilling and blower cabinet chilling.
- 3 parts are set up (dust collector/ fountain solution refrigerating circulator & roller temperature controller/ blower cabinet). These are transposable one another.

DIMENTIONS (mm)



※PeDeS2 4SR2.