



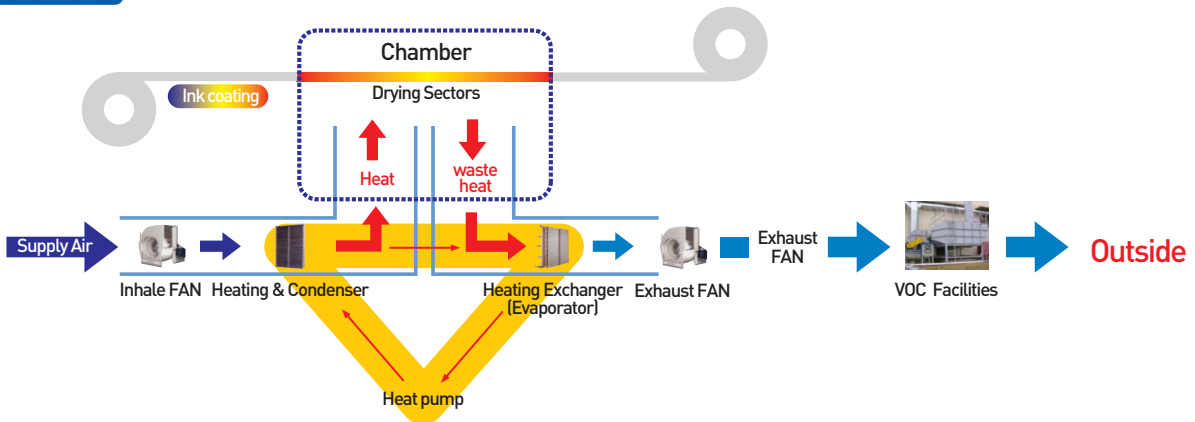
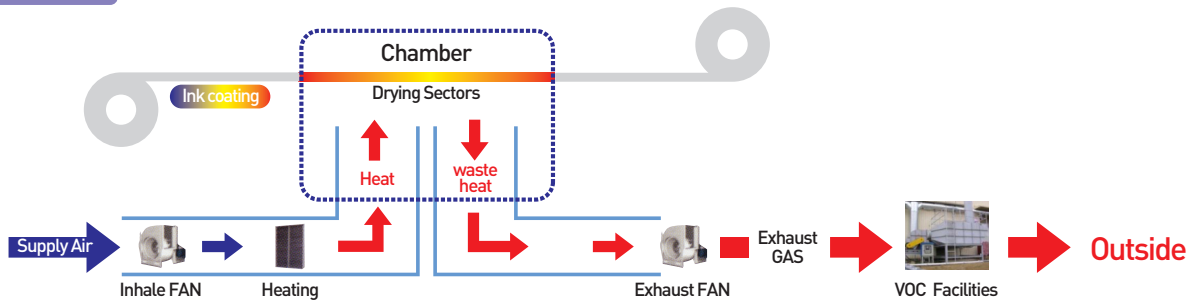
Economic · Energy · Eco-friendly

Features and Benefits Of E-SAVER

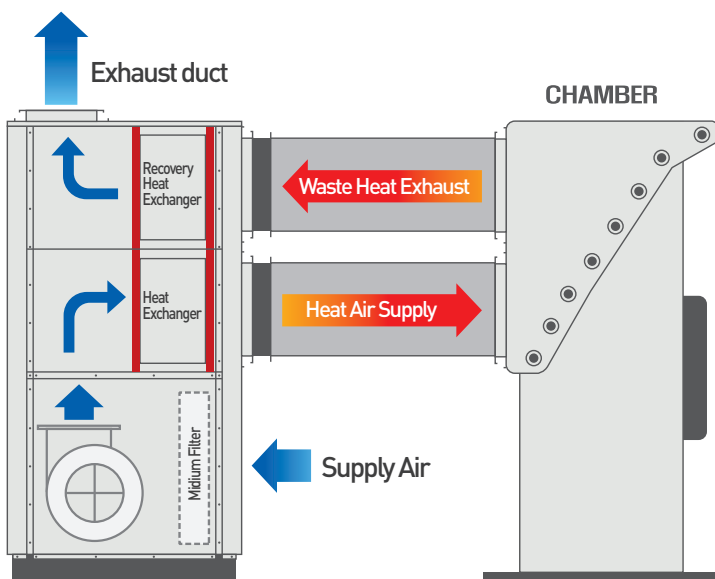


Principles of E-SAVER

Traditional



MAIN Features of E-SAVER



Integrated unit

- Easy to replce existing facilities
- Efficiency of space
- Durability and no vibration

Pure heat energy recovery system

- Waste heat recovery using heat pumps
- Using dry temperature 45~135°C

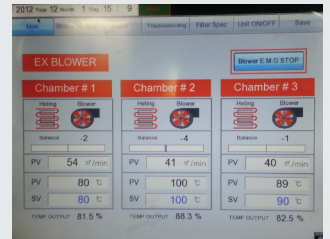
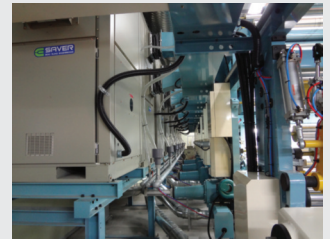
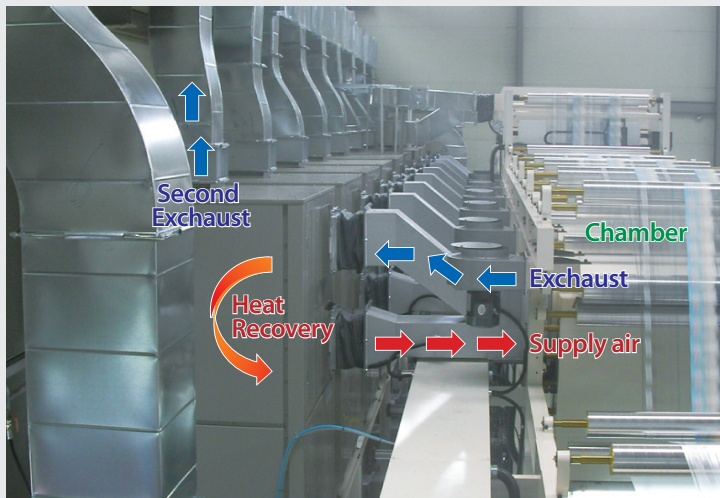
Automatic control of Temp & Air volume

- Process control with temp. and air volume
- Accuracy control of temperature and air volume with figures
- Touch Screen Display

Noise reduction using Turbo-fan

- Soundproofed case with air gap
- Direct-coupled Turbo Fan

MAIN Picture of E-SAVER

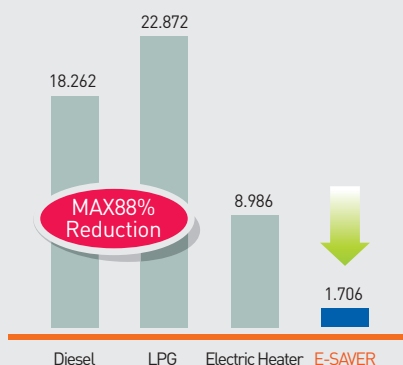


Model of E-SAVER

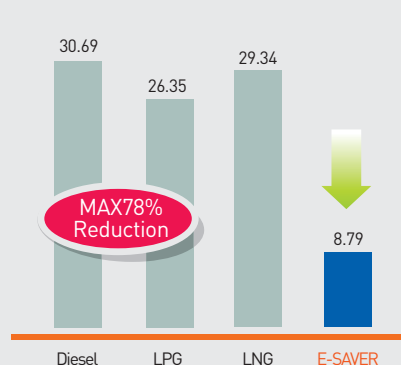
MODEL	Machine	Air Volume (CMM)	Air Pressure (mmAQ)	Electric Capacity (KW/hr)	Temperature (°C)	Blower		
						HP	Capacity (KW/hr)	Actual Capacity (KW/hr)
BSE-GP-21-L	Gravure Printer <220mpm, 95°C	50	150	15KW/Max 22KW	95	5	3.7	1.2~2.6
BSE-GP-21-H	Gravure Printer <220mpm, 120°C	50	150	22KW/Max 38KW	120	5	3.7	1.2~2.6
BSE-GP-31-L	Gravure Printer <300mpm, 95°C	70	150	22KW/Max 38KW	95	7.5	5.5	2.2~4.0
BSE-GP-31-H	Gravure Printer <300mpm, 120°C	70	150	30KW/Max 45KW	120	7.5	5.5	2.2~4.0
BSE-DL-11-L	Dry Lamination / T-Die	70	150	22KW/Max 38KW	95	7.5	5.5	2.2~4.0
BSE-DL-11-H	Dry Lamination / T-Die	70	150	30KW/Max 45KW	120	7.5	5.5	2.2~4.0

POWER CONSUMPTION, TOE and TCO2 are Reduced Average 70% MORE

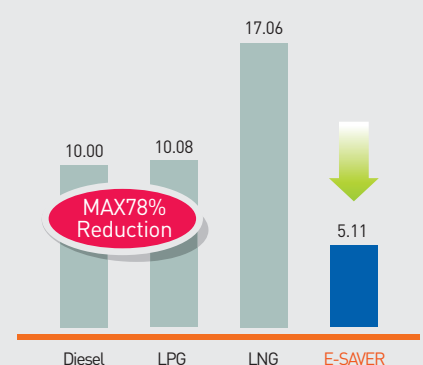
[Energy cost (USD/Month)]



[TCO2 (CO₂ kg/Month)]



[TOE (CO₂ kg/Month)]



Overview of E-SAVER

Certifications

- 2 patents in Domestic [E-SAVER, Filter Box]
- Japan, China Patent Application
- Progressing patents for United States, Germany, Britain, France
- ISO 9001, ISO14001 Certification, Venture Company
- Green Technology Certification of The Ministry of environment [KOREA]
- CE Mark



Korean Intellectual Property Office



Korea Technology Finance Corporation



Ministry of Environment



Ministry of Knowledge Economy



CE Mark



ISO9001/14001



Korean Industrial Technology Association



Kyungpook National University



Ministry of Employment and Labor



Korea Credit Guarantee fund



PCT International Applicant

E-SAVER System

Energy Saving

- Energy saving efficiency (approx. 60~85%)

Data Control

- Not Experience Control
- All Major Factors will be controlled based on Actual Figures precisely.
- Anybody can perform the best job condition easily.

Job Standardization

- All Job Condition will be on Data-base. (Temp / Air volume / Air Blance)
- Always be performed the best job condition based on Data-Base specification automatically.

Wastages Minimization

- No spend any useless time & raw materials only for the initial job setting.
- No Non-Drying Wastages Possibility due to job condition change (No solvent retention issue)
- No solvent retention issue / No low bonding strength issue.



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World-Best Company

E-SAVER Drying System

Harmonization of energy recovery
and systematic drying technology

