

Comparison Table of Energy Consumption between Traditional Cylinder Pad Printing Machine and Fully Electric Pad Printing Machine

Assuming 8 hours of work per day, approximately 22 working days per month, and 264 working days per year (excluding weekends and holidays).

1 kWh = 1,000 watts per hour

For FC-161ANS:

Annual power consumption of Cylinder Machine = 5993.856 kWh

Annual power consumption of Fully Electric Machine = 1214.4 kWh

$$\text{Percentage Saved} = 1 - \left(\frac{1214.4}{5993.856} \right) \times 100$$

Plugging these values into the formula:

$$\text{Percentage Saved} = 1 - (0.2026) \times 100$$

$$\text{Percentage Saved} = 0.7974 \times 100$$

$$\text{Percentage Saved} \approx \mathbf{79.74\%}$$

Therefore, FC-161ANS saves approximately **79.74%** of electricity compared to FC-161ANC.

FINE CAUSE Energy-Saving and Environmental Protection Label



Model	Air Compressor Power (W)	Freeze Dryer Power (W)	Total Power Consumption (W)	Hourly Power Consumption (kWh)	Daily Power Consumption (kWh)	Monthly Power Consumption (kWh)	Annual Power Consumption (kWh)	Energy Ratio	Saved Electricity
FC-161ANC Cylinder Pad Printer	2238	600	2838	2.838	22.704	499.488	5993.856	100%	0%
FC-161ANS Fully Electric Pad Printer	X	X	575	0.575	4.6	101.2	1214.4	20.26%	79.74%

FC-161ANS Electric Servo Single Color Pad Printing Machine

- The fully electric pad printer is plug-and-play and does not require air connection and air compressor. It is suitable for printing in places without air compressor.
- The printing pad adopts servo motors for the up, down, front, and back movements, unaffected by compressed air pressure.
- The pad printing pad can be pressed down in two stages.
- The two-stage press-down of printing pad ensures a more perfect printing effect, especially for fine patterns.
- The Y+Z dual-axis servo drive printing pad for forward and backward movement and press down position. The control is through HMI for precise positioning and easy adjustment.
- The HMI digital setting allows for formulas storage, which is no need to do repetitive setup each time; the various printing formulas can be switched quickly. Printing in different positions and multiple items is fast and convenient.
- Stepper pressure-regulating ink scraping system allows for easy adjustment of the downward pressure position of ink cup.
- High-end version pad printer with precision and stability.
- Servo-driven makes the machine operation smoother and more stable and significantly enhances printing quality.
- 7.0-inch color TFT touch screen
- Built-in 5 languages, English, Indonesian, Vietnamese, Traditional Chinese, and Thai.



3 years warranty



Model	Color	Steel Plate (mm)	Printing Area (mm)	Dimension (cm)	Net W.
FC-161ANS	1	L:200 W:90 H:10	Ø50	L:85 W:42.5 H:149 cm	150 KG



<https://www.finecause.com/products/category1>

Fine Cause manufactures pad printer and screen printer including standard types and customization. We manufacture a variety of ink cup pad printer, open-tray pad printer, servo motor screen printer, pneumatic cylinder screen printer and customized screen printer.

In the past decade, we have taken part in an extent of customized and precise machinery projects on both pad printing and screen printing including a variety of application fields: printer for plastics, printer for metals, printer for glass, plastic surface printer, metal surface printer, glass surface printer, coin printer, auto-cylindrical bottle printer, SD card printer, MICRO SD card printer, contact lens printer, syringe printer, test tube printer, solder paste printer and touch glass printer, etc.

Our service

- ▶ Pad Printer
- ▶ Screen Printer
- ▶ Hot Stamping Machine
- ▶ Other Equipments
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- ▶ Inks/Solvents/Additives
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