FRANK 孚莱特
Flexographic Products

2026 NEW

Catalogue

- AESX-E80 | Flexo-LED
- AESX Vega 80 | Flexo-LED
- AESX-D80 | Flexo-Dry
- AESX Vega 60 | Flexo-LED
- AESX-Orion60 | Flexo
- AESX LumiFlex

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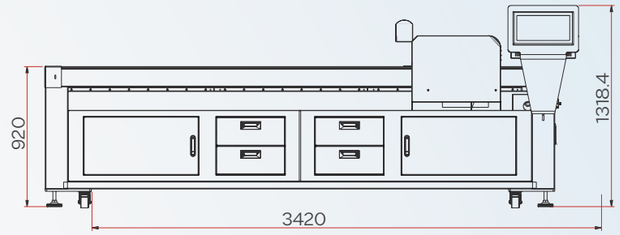
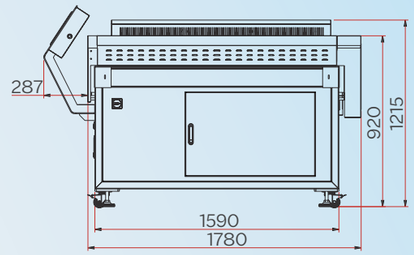
AESX®-E80|Flexo-LED

UV-LED Super Exposure Machine

Dimensions

- External Dimension：3420*1590 *920（L*W*H）
- Platform dimensions：3320*1590*912（L*W*H）





Features

- Good light source consistency, high-power LED has a super long service life, 100% inspection of lamp beads incoming to ensure 100% qualified.
- Calibration function, the independently developed LED control system has an independent calibration function for LED UV radiation to ensure the consistency of radiation from the surface light source.
- Excellent temperature control design to ensure standardized exposure conditions.
- Efficient completion of exposure work, AESX guarantees efficient exposure time through up to 3318 LED lamp beads, even if low-energy exposure is selected to make a 50"x60" format plate, the exposure time does not exceed 10 minutes.
- Intelligent program design:
  - can set different scanning speeds, energies, and times.
  - can set different settings for the speed and exposure energy of each scan.
  - can set the exposure light source to turn on both the back and forth, or can set the light source to turn on once.
  - can set different speeds back and forth, or can set the same speed back and forth.
- Preset mainstream plate making parameters, and easily complete standardized plate making work without personal skills and experience.
- Double-sided automatic exposure: Double-sided automatic exposure can be selected and can also choose to expose the bottom or the top of the page separately.

Technical Parameters

MODELS	PARAMETERS
Maximum exposure format	1320×2100mm
Working thickness	1.14mm—6.35mm
UVA-LED	Main exposure 22 groups, back exposure 22 groups
Electrical parameters	380V 50/60Hz 50A
Energy output	20m-500MW/cm^2, uniformity ±3%
Exposure speed	10 minutes/sheet (2032*1270)
Cooling system	Dual cooling (air cooling + water cooling)
Weight	900kg

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AESX®- D80 | Flexo - Dry

Top-quality flexographic drying system

Efficient and Consistent

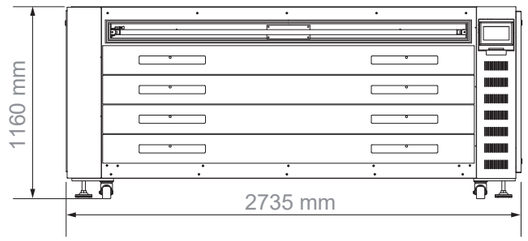
- Each drying has its own independent drying drawer,ensuring even temperature distribution.
- The touchscreen display showes the required temperature and settings,and provides maintenance diagnostics.
- The efficient ventilation and enclosure prevent solvent vapors from escaping into the room.
- High energy output, capable of quickly reaching the necessary operating temperature.
- Super equipment quality extends its service life.

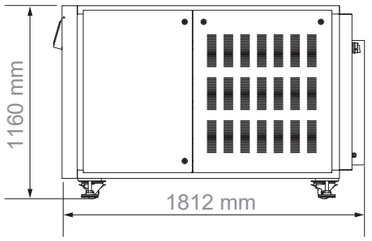
Easy to operate

- Easy-to-operate display.
- Five wide stainless steel drawers with mechanical supports.
- Each drawer comes with an independent timer.
- An audio notification will automatically sound when drying is complete.
- Can automatically shut down.

Equipment size

- External Dimension：2735*1812 *1160（L*W*H）
- Platform dimensions：1270*2032 / 1067*1524 / 457*762





- Each layer has an independent heating system,with a main heating element and an auxiliary heatingelement for dual-layer heating. PLC intelligent adjustment ensures uniform temperature and preventsflexigraphic deformation. Ensure accurate color registration, -3°C~ +3°C.
- Each drawer has an independent hot air circulation system,ensuring orderly drying without blind spots and efficient express delivery.
- Mico-negative pressure drying, intelligent exhaust, high-efficiency plate drying.
- 304 stainless steel drawers, easy to clean.
- PC controlled exhaust+electronic actuator for precise air intake.

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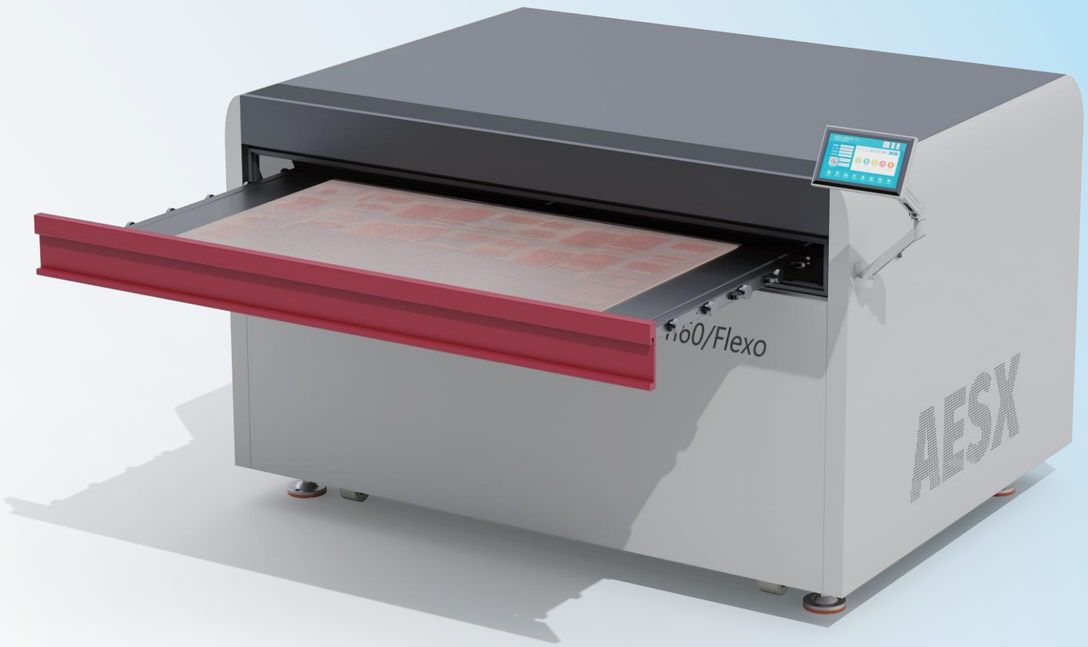


AESX®-Orion60 | Flexo

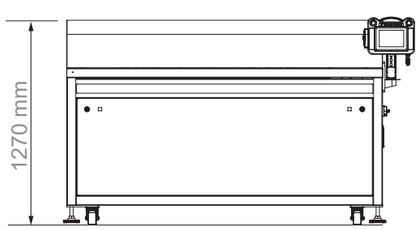
Small-size Super Exposure Machine

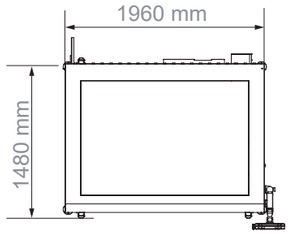
Key Advantages

- Stable and uniform light output
- Highly consistent radiant exposure across the entire surface
- Enduring plate-making quality, batch after batch
- Outstanding consistency maintained even during prolonged operation

Equipment size

- External Dimension：1960*1480 *1270（L*W*H）
- Platform dimensions：1067*1524 / 1200*900 / 1067*762 / 457*762





Meaning of the AESX-Orion60 | Flexo

The Orion series exposure unit takes its name from the Orion constellation, drawing design inspiration from the vast starry array of the night sky. The name perfectly reflects the unit's starfield-like light source layout, giving the equipment a premium industrial and technological character. The entire machine is equipped with a high-density LED flat-panel light source, with a massive array of high-energy lamp beads arranged in precise formation — much like stars in an ordered celestial alignment.

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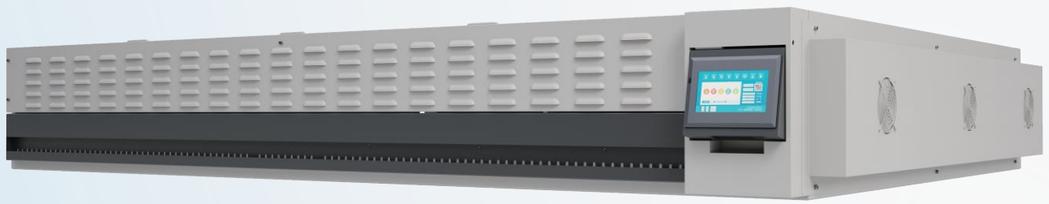


AESX® LumiFlex

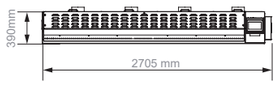
Excellent Post-Processing De-Tack Equipment

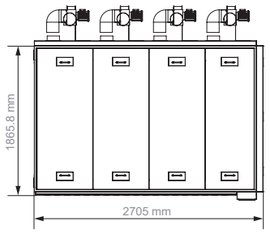
Features

- Premium Imported Light Sources — Uniform Illumination & Extended Service Life
- Scientific Airflow System — Efficient Ozone Extraction & Plate Protection
- PLC Intelligent Control System — Versatile Functionality
- Sealed Protective Structure — Enhanced Equipment Stability

Equipment size

- External Dimension：2705*1865.8 *390（L*W*H）
- Platform dimensions：1270*2032 / 1067*1524 / 457*762





Meaning of the AESX LumiFlex

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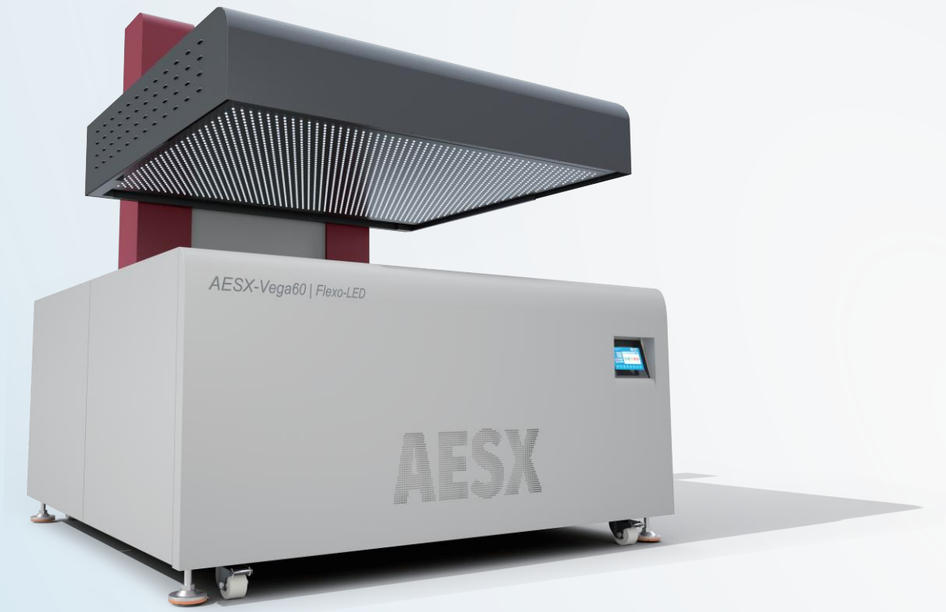
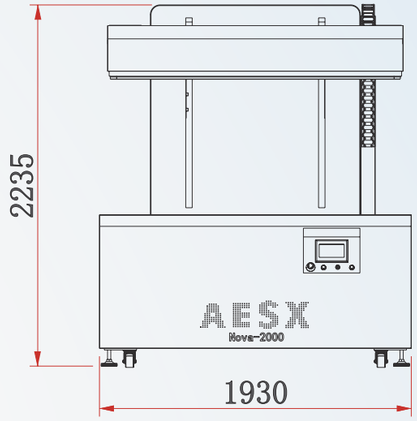


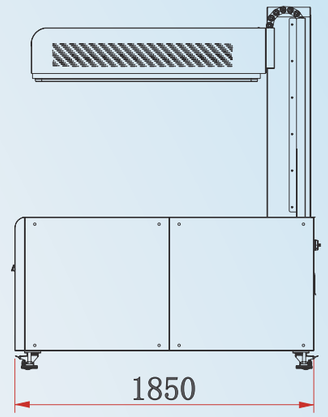
AESX® Vega 60 | Flexo-LED

Excellent Post-Processing De-Tack Equipment

Equipment size

- External Dimension： 1930*1850 *2235（L*W*H）
- Platform dimensions： 1056*1524mm（42x60″）





Features

- Stable Energy Uniformity –
  Highly balanced radiant energy across the entire exposure area, combined with intelligent light-source calibration, ensures consistent performance during large-volume, long-run production.
- Durable Low-Decay Light Source –
  The all-glass lens-encapsulated light-source module exhibits minimal luminous decay, maintaining excellent exposure uniformity even after prolonged equipment service.
- Optimised Dot Performance –
  Multi-mode high- and low-energy combination exposure finely refines dot gradation and shoulder structure, significantly enhancing the overall quality of finished plates.
- Efficient Hybrid Cooling –
  The integrated water-cooling and air-cooling composite heat dissipation system provides precise temperature control, ensuring stable, uninterrupted operation over extended production shifts.

About the AESX-Vega 60|Flexo-LED

AESX-Vega 80|Flexo-LED and AESX-Vega 60|Flexo-LED Galaxy Series comprises lift-type LED exposure systems available in two working formats: 50 × 80 inches and 42 × 60 inches. Vega, inspired by the vastness of the celestial stars, adopts a vertical lift-type structure. Equipped with an all-glass lens light-source module sourced from top-tier Japanese and Korean brands, the system delivers highly uniform radiant energy across the full exposure area with extremely low luminous decay. Paired with a dedicated calibratable modular driver, it ensures consistent plate standardisation across high-volume batch production. The hybrid water-cooling and forced-air cooling heat dissipation system supports long-term continuous, stable operation, making it a preferred solution for high-quality, reliable flexographic plate-making.

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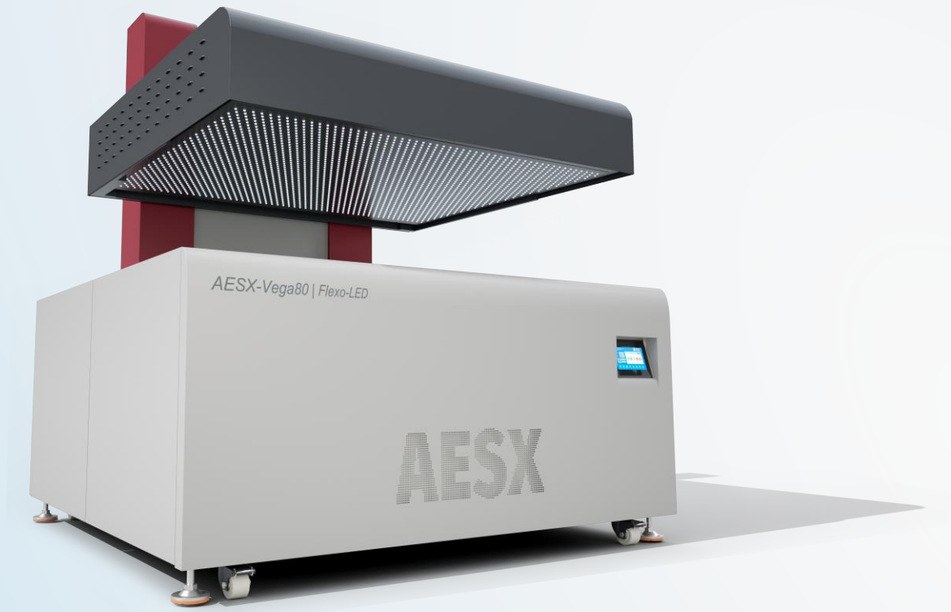
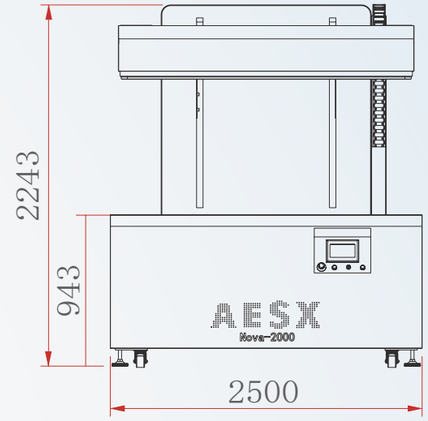


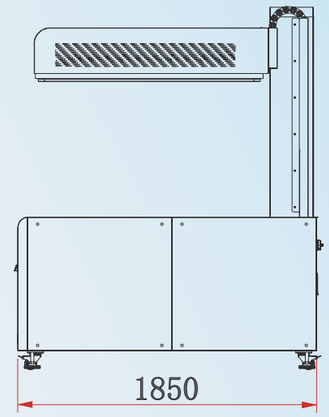
AESX® Vega 80 | Flexo-LED

Excellent Post-Processing De-Tack Equipment

Equipment size

- External Dimension：2500*1850 *2243（L*W*H）
- Platform dimensions： 2032*1270mm（50x80″）





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苏州孚莱特智能科技有限公司
Suzhou Frank Intelligent Technology Co., Ltd.

地址: 江苏省苏州市相城区兴太路16号
Add: No. 16 Xingtai Road, Xiangcheng District,
Suzhou, Jiangsu Province, China.

E-mail: FRANK@frankflexo.com
Web: www.frankflexo.com