

# EYE GRAPHICS is the largest supplier of UV curing for example, an accumulated

## EYE Grandage (4 kW): ECS-401 1GX/N

### Inverter Type



The design of the EYE Grandage focuses on space-saving, functionality, and operability. Since low-temperature curing is available, the equipment can be used in various applications, for example, printing, coating, bonding, molding, and electronic parts manufacturing.

- **Features**
  1. EYE Grandage is suitable for applications where the workpiece does not exceed 250 mm (w) x 100 mm (h) and the irradiation width is 180 mm or less.
  2. The cold mirror permits low-temperature curing. When the optional infrared ray cut filter is used, the curing temperature can be decreased further.
  3. The irradiation distance can be freely adjusted with the up/down handle. (Adjustable range: 100 to 370 mm).
  4. Two irradiation directions are available: one is normal to the direction of workpiece feed (crosswise irradiation) and the other is parallel to the direction of feed (lengthwise irradiation). You can select either option.
  5. Three lamp output settings are available: 2, 3 and 4 kW.
  6. Power supply: single phase, 200/220 VAC, 28 A, 50/60 Hz

- **Optional** front filter, vacuum mechanism, inlet table, outlet chute, effective irradiation width expansion reflector, variable irradiator angle mechanism, UV resin belt, externally connected exhaust duct, cooling air blower, fixed irradiation mechanism

# Inverter type

# 4kW standard conveyor ECS-4011GX/N

Also available for optical technology R&D and space-saving in-line equipment

## Features

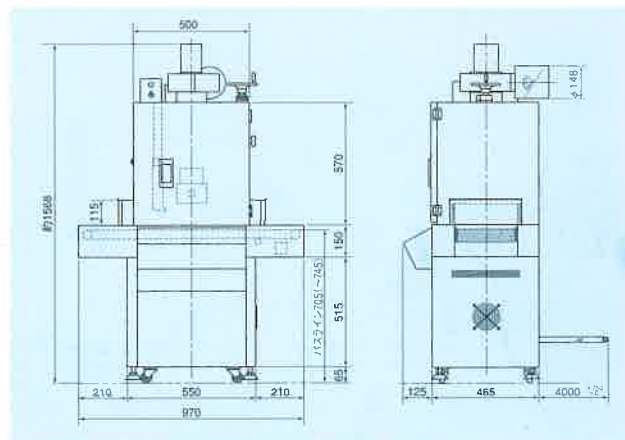
1. Compact inverter type conveyor system for UV and visible light curing.
2. Cold mirror enables UV treatment at low temperatures
3. The internal irradiator can be installed perpendicular or parallel to the conveyor flow direction.
4. Lamp output can be switched between 3 levels: 2kW, 3kW, and 4kW
5. Stage elevation by ball screw(NEW)  
Irradiation distance can be adjusted by operating the handle.
6. Variable irradiation distance is increased.(NEW)  
Can be used for a wider range of applications
7. Duct tube detachable mechanism(NEW)  
Easy lamp replacement in the irradiator
8. Full lineup of optional items  
The options listed on the right are available

## Optional

- Various optical filters(NEW)  
Various filters are available to meet various requirements (temperature control, wavelength control)
- Blast Cooling fan  
Temperature rise can be further reduced by attaching an airflow cooling fan (with nozzle).
- Exhaust floor can be changed to a separate floor  
Can be adapted to the installation environment
- Shooter (entrance and exit side)
- Two types of conveyor belts are available  
SUS net belt (standard product)  
or UV resin belt (for high-speed conveyance)
- Transport vacuum mechanism(NEW)  
Prevents lightweight workpieces such as film from flying up.
- Auxiliary reflector expands effective irradiation width(NEW)  
Available from standard 180mm to maximum 250mm
- Variable illumination angle mechanism(NEW)
- Fixed irradiation is possible by attaching a dedicated jig.(NEW)

## (technical) specification

system format	ECS — 4011GX/N
Dimensions/Weight	Refer to the external view. / Approx. 130kg
Input power supply	1 φ AC200/220V sharing 50/60Hz 30A breaker
Primary force rate	95%
Input current	Approx. 28A
Power consumption	Fixed frame: 4100W Light reduction 1: 3100W Light reduction 2: 2100W
conveyor belt	Stainless steel mesh (width: 250 mm)
Conveyor speed	0.3 ~ 14.0m/min
pathline	705mm (Adjustable from 705 to 745mm by adjuster)
Max. workpiece dimensions	250mm (W) × 100mm (H) max
Effective irradiation width	180mm (degree of uniformity 80%)
irradiator	Simple irradiator without shutter
reflector	Cold Mirror Focusing Type (100mm)
irradiation distance	100mm ~ 370mm ※ 300mm~370mm is duct change in furnace
Irradiator mounting direction	Perpendicular or parallel to the flow
Compatible Lamps	H04-L41、M04-L41、ME04-L41、Other special lamps
luminous length	250mm
Lamp output	2kW、3kW、4kW 3-step switching



※ Dimensions will vary depending on belt tension adjustment.

- ※ This product is not designed for clean room use. Please consult our sales representative if you intend to use this product in a clean room.
- ※ Duct distance should be within 4 m. If it exceeds 4 m, please order a separate blower as an option.
- ※ When changing lamp output, use manual dampers to adjust airflow rate