

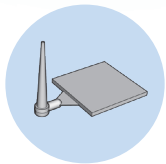
New

All-in-one system with static elimination, dust removal, and dust collection!

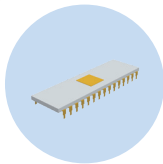
***ION* PARTS
CLEANER**

ION PARTS CLEANER

No. IPC-200, 400, 600



Resin molded items



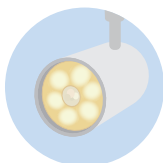
Electric parts



Food and
cosmetic container



Optical lenses



Lighting/LED



Automotive
headlight



IPC-400



IPC-200



IPC-600

MADE IN JAPAN

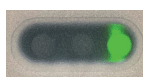
[Static Elimination], [Dust Removal], and [Dust Collection] are fully integrated!

Renewal models with more enriched functions reflecting customers' requests!

Operation status at a glance!

Status lamps consolidated.

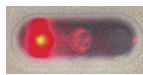
All lamps, showing the operation status and warnings, on the front-upper side, so that the operator can see well.



Normal operation
(lighting)
Air blowing
(flash)



Starting-up
(lighting)
Sleep(flash)



Abnormality
(lighting)
+Alarm sound

Ionizer(F-120R)

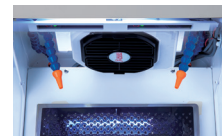
Front



Can see clearly!

Equipped with LED light as standard.

The built-in LED light illuminates brightly inside the hood. Easy to see working and cleaning progress in the hood.



progress in the hood.

Lock line nozzle

Wide detection area!

Area sensor

Almost the entire area of the opening is the detection area. Can put the workpiece from any angle.



Can clean up with water!

Adhesive gel sheet

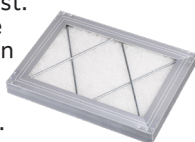
Adhesiveness restores by cleaning up with water.

Adhesive gel sheet placed on the inner back side collects roughly dust that was dispersed in the booth. This reduces dissipation and re-attachment of dust to the workpiece caused by air blowing.

Reduces cleaning frequency!

Pre-filter for rough collection of dust.

Pre-filter collects roughly large dust. This reduces the amount of dirt on the medium efficiency particulate filter.



Clean exhausted air!

Medium-efficiency particulate filter

A cartridge type medium-efficiency particulate filter is built in the exhaust side. This prevents dust dispersion from the exhaust port to the room.



Power connector

Power switch

Flow adjustment valve

Air joint

Back

Direction can be changed!

Exhaust air cover

The exhaust direction can be changed to either up, down, left, or right by changing the direction of the exhaust cover.



Operation

STEP.01

Turn the power on with the power switch, and then the dust collector fan and the ionizer will start working.

Starts up in about 10 seconds, and the machine turns to be stand-by.

STEP.02

Take the workpiece with hand, and put it to the machine through the opening.

The area sensor will detect it and the air will be blown via the upper lock line nozzle.

Dust and particles blown off will be collected through the filters from the perforated plate. The clean air will be exhausted from the backside through the medium efficiency particulate filter.

STEP.03

When the sensor detects removal of the workpiece from the hood, the dust removal air stops and the machine turns to be stand-by.

Air blow has 3 modes (continuous blow, pulse blow LOW, and pulse blow HIGH). Chose the appropriate mode according to work.

When detecting abnormality, the LED lamp for STATUS on the upper panel of the unit flashes by red and the operation stops.

During the time when the machine is not in use, such as a break, chose SLEEP mode to economize the power consumption and reduce noises.

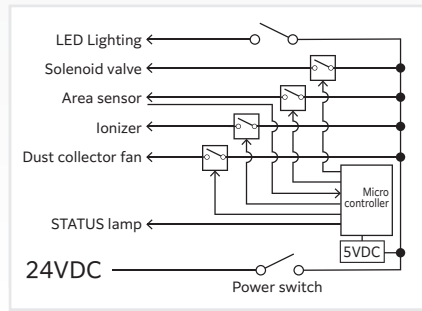
Secure static elimination on workpieces! Powerful dust removal! Properly dust collection!

▶▶▶ As these functions are integrated,
this machine can correspond smoothly to the changes in the existing manufacturing line.



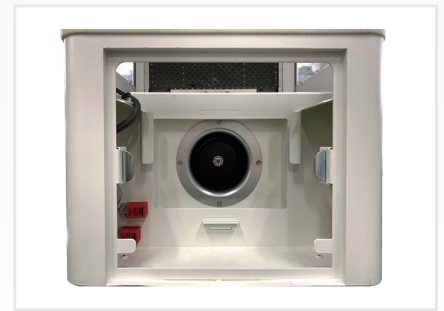
POINT 01 Can work without stress

Since the opening is vertically wider than the previous models* and the sensor detecting area is also wide, the operator can put the workpiece in and out with less stress that is caused by difficulty in putting and the sensor detecting errors.



POINT 02 24VDC driven

This machine works with DC power input (using the included power adapter), so it is unaffected by commercial frequency variations like AC motors, and demonstrates stable dust collection performance nationwide.



POINT 03 Dust collection performance improved

The dust collection fan employs a quiet, compact DC brushless motor. Dust collection capacity has been enhanced compared to previous models. (*Previous models: IPC-20/40/60)

Enriched functions corresponding to the power saving and work standardization.

Functions

▶▶▶ SLEEP Mode ECO Environment improvement Improved workability

With the power saving operation mode added, the machine stops both static elimination and dust removal while the dust collector is in low-speed operation, which **saves the power and reduces noises**. (Normal 60dBA → SLEEP 30dBA or less, when using the IPC-200). If the SLEEP mode is changed to OFF, the machine returns to the normal operation in about 3 seconds and the operator can quickly resume work.



▶▶▶ Convenient air blow function

Pulse blow ECO Efficient

Mode that air is intermittently blown:
LOW(100ms)/HIGH(75ms)

Effective for workpieces with uneven surface from which dust is not easily removed. Air consumption is about 25% less (LOW) and about 15% less (HIGH).

(Comparison during continuous blow mode)



Off-timer ECO Efficient

Can set the ionizing time with a timer. This eliminates variations of the working time, and **standardize the work takt**.



Users' voices

- The sensor response is excellent. During operation, it can be used without worrying about the sensing position, improving workability.
- The opening is also wide, reducing the risk of bumping when inserting or removing workpieces, and making work easier.
- The air blow direction can be adjusted to a convenient position, allowing for easy fine-tuning for each operator.
- Air can be blown simultaneously from both sides of the workpiece. This prevents an operator from forgetting the air-blowing on one side and also reduces man-hours.

Ion Parts Cleaner

IPC-200



Ion Parts Cleaner

IPC-400



Ion Parts Cleaner

IPC-600



Specifications

Model Name	Ion Parts Cleaner		
Model No.	IPC-200	IPC-400	IPC-600
Dust collecting filter	Adhesive gel sheet / Pre-filter / Medium efficiency particulate filter		
Input voltage	24VDC±5% (AC adapter AD24-IT30: 100~240VAC, 50/60Hz)		
Consumption current (A)	4.0	4.0	6.5
Dust collection air volume (m³/min)	3.3	2.8	5.5
Static pressure (kPa)	0.45 (Motor)		0.45 (Motor)×2
Controlled air speed on a table (m/sec)	1.1	0.64	0.71
Dust collecting volume (L)	0.2	0.28	0.4
Noise (dBA)	60 (1m from the front)	60 (1m from the front)	63 (1m from the front)
Mass (kg)	24.0	28.6	39.1
Material of the body	Exterior: SPCC, Transparent hood: PVC		
Ionizer	1 piece	1 piece	2 pieces
Protective functions / Safety functions	Fan motor rotation monitoring function / High-voltage output shut down function / Front cover safety device / Dust collector deterioration detecting function		
Operating time / intermittent	Continuous operation 1~10sec. Pulse High 75ms intermittent, Pulse LOW 199ms intermittent		
Operating fluid	Clean dry air (CDA)		
Operating air pressure	0.02~0.7MPa		
Applicable air tube	O/D 10mm x I/D 6.5mm		
Air consumption (L/min) (at 0.7MPa-Actual measured value)	412 (Continuous mode) 334 (Pulse HIGH) 305 (Pulse LOW)	412 (Continuous mode) 334 (Pulse HIGH) 305 (Pulse LOW)	459 (Continuous mode) 374 (Pulse HIGH) 324 (Pulse LOW)

Operating temperature / humidity	5~40°C / 35~65%Rh (no dew condensation or freezing)		
Width x Depth x Height (mm)	361×420×625H	461×448×638H	609×448×638H
Ionizing area (mm)	343×246×242H	443×276×249H	593×276×249H
Accessories	Exhaust air cover, AC adapter AD24-IT30 (w/a flat pin cord and a round pin cord) Instruction manual (IPC-200/400/600)		
Replacement parts	Adhesive gel sheet IPC-A4G Pre-filter IPC-200PF Medium efficiency particulate filter IPC-200MF Front cover with needle electrode F-120RCH Filter for ionizing unit IPC-200FF HEPA filter IPC-200HF		
JAN	4907587034601	4907587034618	4907587034625
Code No.	621678	621679	621680

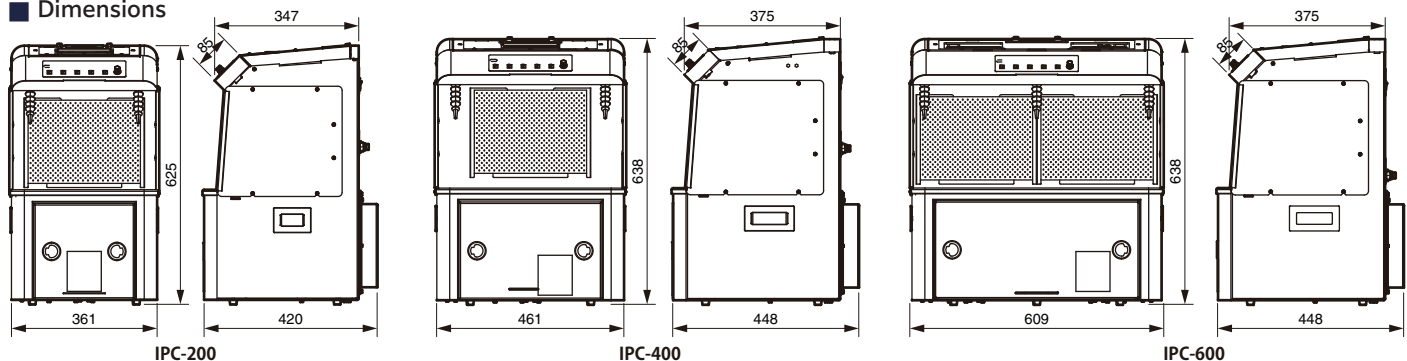
AC adapter AD24-IT30



Specifications (Ionizing Fan)

Ion generation method	High-frequency AC corona discharge
Input power	24VDC±5% 700 mA max
Applied voltage	10kVAC (p-p)
Static elimination time	4sec. or less (±1000V→±100V) ※Work surface in the hood
Ion balance	within ±30V
Ozone generation	0.05ppm or less (measured distance 50mm)
Material	Main body, Front cover: Flame-retardant ABS / Discharge needle: Inconel

Dimensions



Warning

●For your safety, read the instruction manual carefully before using this product. ●Do not use for any purpose other than static elimination and dust removal. ●To prevent fire accidents, never let the machine suck up fire, explosion dust, or dust-containing liquid mist. ●To prevent malfunction or accidents, never let the machine suck up damp dust, water, oil, or other items that contain water. ●To prevent fire accidents, never share the machine for the cases such as following: *When dust is mixed inside the machine and turns into a dangerous substance. ●Do not use as a painting booth. Do not perform painting work.



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