

3DPRINTCLEAN MODEL 870 SAFETY ENCLOSURE

TRUSTED BY
MAJOR EDUCATIONAL,
CORPORATE, AND
GOVERNMENT USERS
WORLDWIDE.



FILTRATION

OUR PROPRIETARY FILTRATION SOLUTION CONFINES THE CONTAMINATED AIR, AND REPEATEDLY PULLS THE CONTAMINATION THROUGH OUR FILTERED MEDIA.



FIRE RETARDANT
PLASTIC

THE POLYCARBONATE, SHATTERPROOF WINDOWS ARE FIRE RETARDANT, REDUCING THE RISK OF FIRE SPREADING OUTSIDE THE ENCLOSURE.



LOCKING DOORS

LOCKING DOORS PREVENT UNAUTHORIZED USE, THEFT, AND KEEPS SMALL HANDS AWAY FROM HOT PARTS.



SEALED DOORS

EACH RUBBER DOOR SEAL PROVIDES FIVE POINTS OF CONTACT TO ASSURE MAXIMUM ENCLOSURE SEAL.



THERMAL
RUNAWAY CUTOFF

3D PRINTER THERMAL RUNAWAY CAN LEAD TO PRINTER DAMAGE AND A FIRE. THE ENCLOSURE MONITORS THE TEMPERATURE, AND IF NEEDED, TERMINATES POWER.



SHATTERPROOF
WINDOWS

IMPACT-RESISTANT WINDOWS ENSURE 3D PRINTER PROTECTION IN ALL USER ENVIRONMENTS.



ALUMINUM
FRAME

INDUSTRIAL-STRENGTH ALUMINUM DESIGN ASSURES YEARS OF PROTECTION & RELIABILITY.



AUTOMATIC
FIRE SUPPRESSION

IN THE EVENT OF A FIRE, THE OPTIONAL AUTOMATED FIRE SUPPRESSION SYSTEM ACTIVATES ONCE THE TEMPERATURE REACHES 250° F / 121° C, FILLING THE ENCLOSURE WITH ABC FIRE SUPPRESSANT.



FOR ADDITIONAL FEATURES VISIT:
3DPRINTCLEAN.COM

TECHNICAL SPECIFICATIONS

DIMENSIONS

MODEL 870 ENCLOSURE

EXTERNAL: 1020MM (40.15") W X 950MM (37.40") H X 1020MM (40.15") D
INTERNAL: 810MM (31.88") W X 810MM (31.88") H X 810MM (31.88") D
WEIGHT: 36KG/80LB

MODEL 870 STAND

EXTERNAL: 930MM (36.61") W X 950MM (37.40") H X 930MM (36.61") D
WEIGHT: 18KG/40LB

MODEL 870 CABINET

EXTERNAL: 930MM (36.61") W X 950MM (37.40") H X 975MM (38.38") D
INTERNAL: 810MM (31.88") W X 810MM (31.88") H X 810MM (31.88") D
WEIGHT: 45KG/100LB

MODEL 870 ENCLOSURE STACK

EXTERNAL: 1020MM (40.15") W X 1900MM (74.80") H X 1020MM (40.15") D
WEIGHT: 73KG/160LB

CONSTRUCTION

POWDER COATED ALUMINUM FRAME
FIVE LAYER SILICONE RUBBER DOOR SEALS
ALUMINUM HONEYCOMB FLOOR
UL 94 V-0 FIRE RETARDANT PLASTIC FILTRATION SYSTEM
SHATTER RESISTANT POLYCARBONATE WINDOWS
A2 STAINLESS STEEL BOLTS AND NUTS

HARDWARE

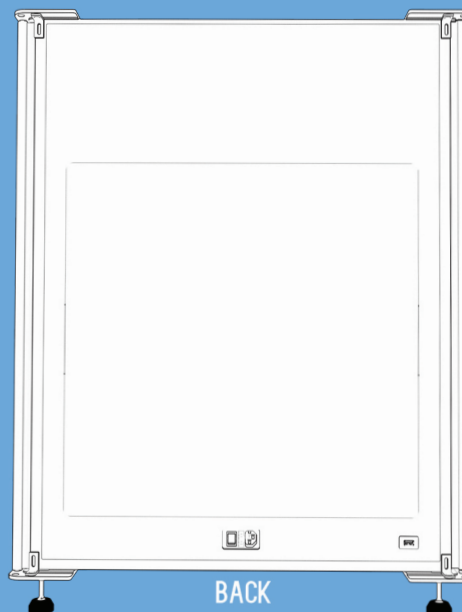
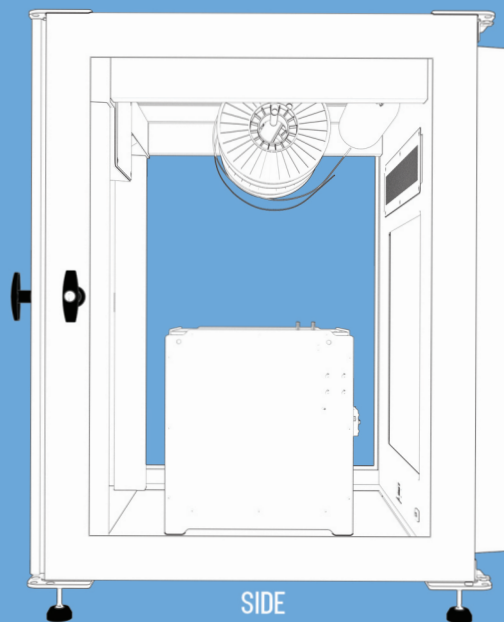
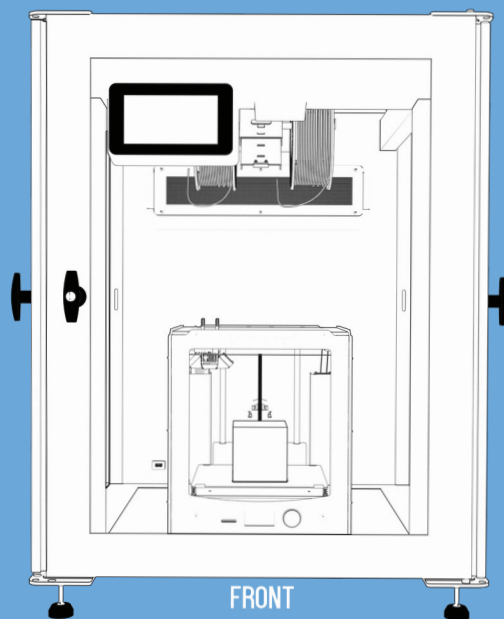
19" UFP FILTER
19" VOC FILTER
7" LED TOUCH SCREEN
2.4GHZ 802.11N WIFI
12GHZ 64-BIT QUAD-CORE ARMV8 CPU
1GB RAM
1080P HD VIDEO CAMERA
DEHUMIDIFIER CARTRIDGE
DOOR SENSORS
150 CFM, 24V, 3-PHASE, SPEED ADJUSTABLE FILTRATION BLOWER MOTOR
5V/12V/24V TRANSFORMERS
LED 2400 LUMEN 5000K, 40W
UNIVERSAL 115V/220V AC INPUT

CONSUMABLES

19" UFP FILTER (REPLACE ANNUALLY/5 YEAR SEALED STORAGE)
19" VOC FILTER (REPLACE ANNUALLY/5 YEAR SEALED STORAGE)
DEHUMIDIFIER CARTRIDGE (CHANGE WHEN COLOR TURNS FROM ORANGE TO GREEN)

POWER CONSUMPTION

CONTROLLER 5V - 1.5W TO 6.7W
LED SCREEN 5V - 2.5W
LIGHTING 12V - 0 TO 40W
HD CAMERA 5V - 1.25W
FILTRATION 24V - 0 TO 78W



A SAFER WAY TO PRINT
3DPRINTCLEAN.COM