

3DPRINTCLEAN MODEL 870 SAFETY ENCLOSURE

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



MULTI-PASS
FILTRATION

PATENT PENDING MULTI-PASS RECIRCULATING 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.



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

Academic Representative:



Technology Education Concepts

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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

120GHZ 64-BIT QUAD-CORE ARMV8 CPU

16GB 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

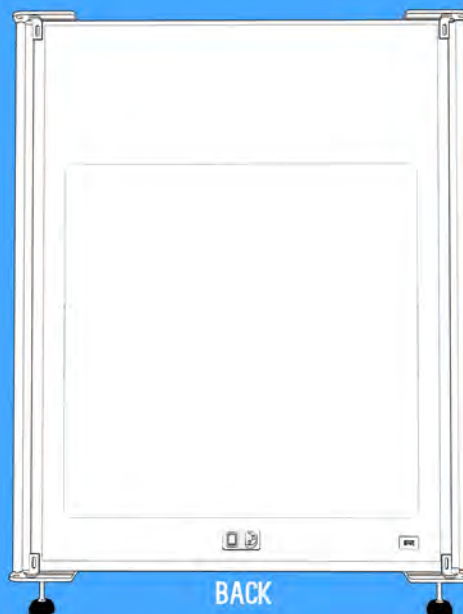
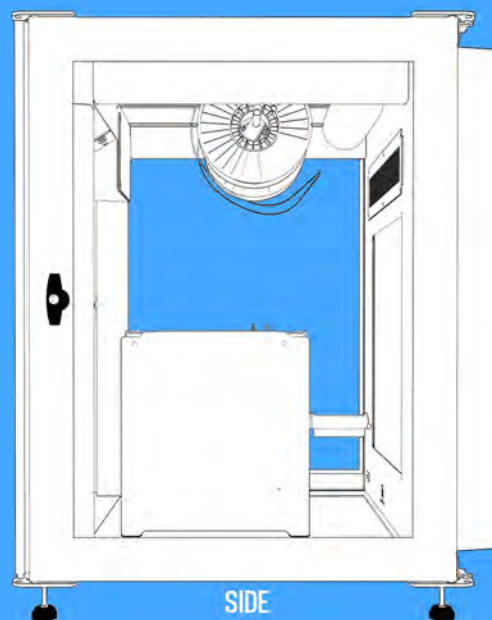
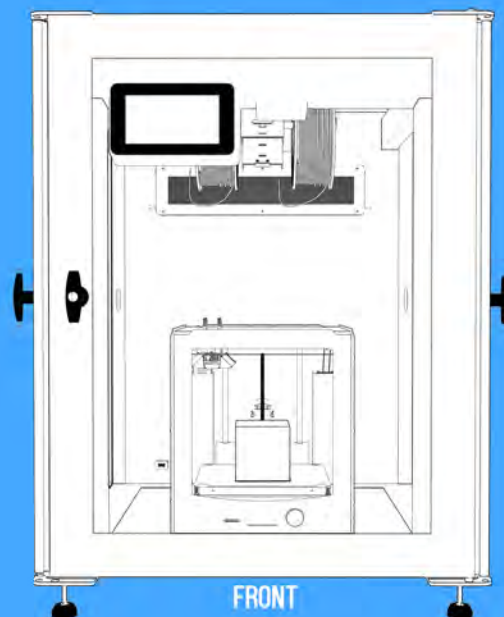
CONTROLLER 5V - 15W TO 6.7W

LED SCREEN 5V - 2.5W

LIGHTING 12V - 0 TO 40W

HD CAMERA 5V - 125W

FILTRATION 24V - 0 TO 78W



A SAFER WAY TO PRINT
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