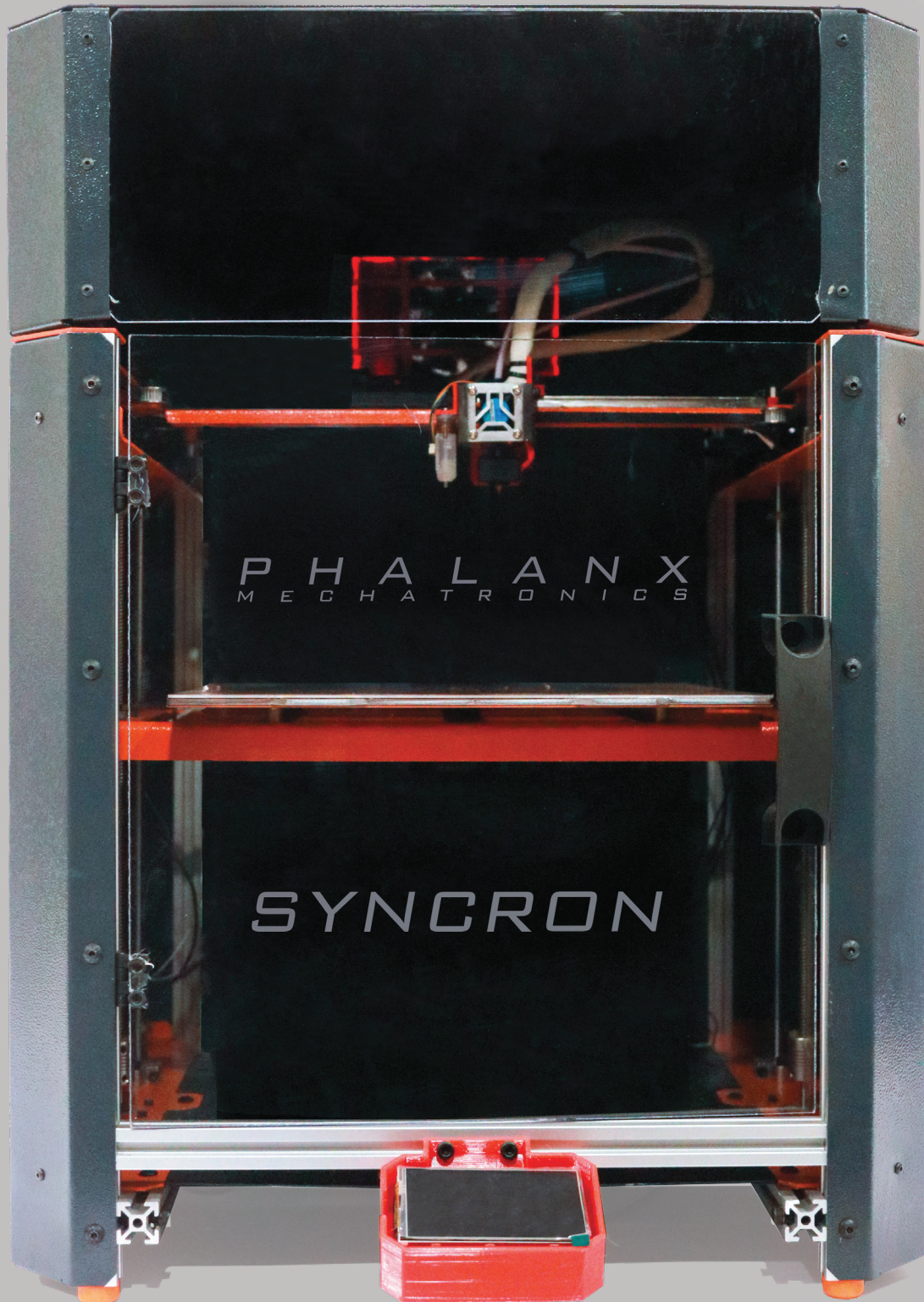


SYNCRON



PHALANX
MECHATRONICS

SYNCRON

IOT ENABLED HIGH SPEED
INDUSTRIAL 3D PRINTER
DESIGNED FOR HIGH
SPEED PROTOTYPING WITH
ENGINEERING PLASTICS.

THE SYNCRON RANGE OF 3D PRINTERS ARE DESIGNED FOR RELIABILITY AND FAST TURNAROUND TIME. EQUIPPED WITH A GEARED HIGH TEMPERATURE EXTRUSION SYSTEM ALLOWS FOR HIGH SPEED 3D PRINTING WITH A WIDE RANGE OF ENGINEERING MATERIALS. WITH IOT ENABLED SYSTEM AND ACTIVE FILTRATION SYSTEM, SYNCRON CAN BE USED IN CLOSED ENVIRONMENTS WITHOUT RISK OF VOCs POLLUTING THE ENVIRONMENT. WITH MULTIPLE CONNECTIVITY OPTIONS AND SENSORS, ALONG WITH A ROBUST UNIBODY CHASSIS, IT IS ONE OF THE MOST ADVANCED 3D PRINTERS AVAILABLE AT AN AFFORDABLE PRICE POINT WITH HIGH PRECISION AND VERSATILITY.





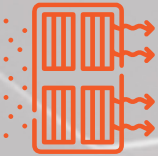
ROBUST CHASSIS

ROBUST UNIBODY CHASSIS WITH LINEAR GUIDES OFFERS HIGH RIGIDITY AND SPEED FOR RELIABLE AND FAST 3D PRINTING.



LARGE BUILD VOLUME

SYNCRON RANGE OF 3D PRINTERS ARE AVAILABLE IN 300X300X300, 400X400X400, 500X500X500. PERFECT FOR LARGE PARTS ACCORDING TO YOUR NEEDS.



ACTIVE FILTRATION SYSTEM

SYNCRON IS EQUIPPED WITH AN ACTIVE FILTRATION SYSTEM WHICH ALLOWS SYNCRON TO OPERATE IN ENCLOSED ENVIRONMENTS WITHOUT RISK OF POLLUTING VOCs AND ODOURS.



HIGH TEMPERATURE PRINTING SYSTEM

SYNCRON IS EQUIPPED WITH A HIGH TEMPERATURE HOTEND WHICH REACHES 450°C AND A BED TEMPERATURE OF 150°C WHICH ENABLES SYNCRON TO PRINT ENGINEERING PLASTICS AT A HIGH SPEED.



IOT ENABLED

SYNCRON IS IOT ENABLED PRINTER WITH VARIOUS CONNECTIVITY LIKE WIFI, USB AND A WEB INTERFACE. HELPFUL FOR SENDING COMMANDS AND MONITORING THE PRINTER REMOTELY.



AUTOMATIC BED LEVELLING

AUTOMATIC BED LEVELLING ENSURES YOU GET A PERFECT LAYER EVERY TIME AND ELIMINATE PRINT FAILURE.



POWERLOSS RECOVERY

POWERLOSS RECOVERY HELPS CONTINUE THE PRINT ONCE POWER IS RESTORED. NO NEED TO START PRINTING AGAIN.



WIDE RANGE OF SUPPORTED MATERIALS

SYNCRON SUPPORTS A WIDE VARIETY OF 3D PRINTING FILAMENTS LIKE ABS, PETG, NYLON, PP, TPU, PLA, PC, PC-CF ETC.



NOISELESS OPERATION

SYNCRON IS EQUIPPED WITH A 32 BIT CONTROLLER WITH TRINAMIC® SILENT STEPPER DRIVERS FOR SILENT AND SEAMLESS OPERATION.

TECH SPECS



BUILD SIZE

300 MM x 300 MM x 300 MM

*AVAILABLE IN 400 MM x 400 MM x 400 MM & 500 x 500 x 500 MM ALSO.



NOZZLE DIAMETER

0.4 MM / 0.6 MM / 0.8 MM



EXTRUDER

SINGLE / DUAL



NOISE LEVEL

< 55 DB



PRINT SPEED

UPTO 300 MM/S

[DEPENDANT ON MATERIAL]



MAX TEMPERATURE

EXTRUDER : 450°C
BUILD PLATFORM : 150°C



DIMENSIONS

450 MM x 450 MM x 600 MM



CONNECTIVITY

WIFI, USB, WEB INTERFACE



ACCURACY

80 - 250 MICRONS



WEIGHT

25 KG



INPUT POWER

230V - 50Hz



BUILD MATERIALS

ABS, PLA, NYLON, PC-CF, PA-CF, PP, PC-ABS, PC, ASA, METALFIL, WOODFIL, HIPS, TPU, PVA.

*AVAILABLE WITH OPTIONAL PACKAGES.

*SUBJECT TO ALTERATION. ONLY SPECIFICATIONS IN OUR OFFER AND ORDER CONFIRMATIONS ARE BINDING.

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