



Pellets Extruder Set Technical Parameters

(3KG/H) Pellet Ext S3: Extruder+Controller+Hopper Dryer+Air Compressor

Weight: 5.8kg	Cooling Method: Water Cooling (Insulation Section)+	
Size: H480 x W145 x L128 mm	Air Cooling (Model Heat Dissipation)	
Screw Size: D27 x L275 mm	Software: IEMAI 3D EXPERT	
Screw Treatment: 38CrMoA1A+Nitriding Treatment	Power Servo Motor: STEPCNC	
(L/D): 10.2:1	Power Supply: 24V	
Max. Motor Torque: 0.96N.m	Servo System: 100W	
Gear Ratio between Motor and Screw: 1:50	Total Power: 890W	
Max. Screw Speed: 40 (r/min)	Extruder Control: Servo Motor+Planetary Reducer	
Installable Equipment: Robot Arm & Frame Type	Max. Throughput: 3KG/H	
Heating Zones: 3	Max. Heating Temperature: 450°C	
Cooling Zones: 2 (Insulation Section & Model Cooling)	Applicable Nozzle: 1,2,4,6,8,10 mm	
Temperature Control: PID	Recommended Layer Thickness: 0.5-5 mm	



Necessary Auxiliary Kit:

Controller

Applicable to Pellet Ext S3 & P6

Weight: 12kg

Size: H495 x W280 x L620 mm

Compressed Air Inlet Pressure Requirement: 0.6-0.8 Mpa

Compressed Air Inlet Humidity Requirement: <20% RH

Compressed Air Inlet Flow Requirement: >0.45m³/min

Power Supply: 220V/50HZ

Total Power: 950W

Built-in: Circulating Liquid Cooling System, Feeding

Control System, 3 sets of 1000W Heating Temperature

Controllers, Servo Driver 600W, 12V100W Fan Controller

For Pellet Ext L20, the temperature controller will be dedicated version.





Hopper Dryer 25kg

Applicable to Pellet Ext S3 &P6 &L20

Weight: 40kg

Size: H1530 x W870 x L520 mm

Pellets Drying Capacity: 25KG

Drying Humidity: <20% RH

Drying Temperature: 0-120 °C

Power Supply: 220V/50HZ

Total Power: 3635W

Efficient and Energy-saving Thermal Circulation Drying

Equipped with Upper/Lower Discharging Options

Equipped with a Discharge Port for

Ease of Granular Materials Cleaning





Air Compressor

Applicable to Pellet Ext S3 & P6

Power: 2400W

Generated Flow: 180L/min

Air Tank: 65L

Pressure: 0.7Mpa

Weight: 57KG

Size: H65 x W38 x L97 cm

Speed: 1380R/Min

