



UP-6178C Lab Single Screw Extruder Mini Extruder



Application:

The lab single-screw extruder is suitable for the mixing and processing of engineering plastics, modified plastics, masterbatches and other high-molecular polymers. It has the characteristics of uniform dispersion, plasticized coloration and filling modification.

Technical Parameters:

Screw diameter	20, 25, optional
Screw speed	0-80rpm frequency control
Length to diameter ratio	1:25, other length to diameter ratio (10 to 30 times) optional
Screw material	38CrMoAlA chrome-molybdenum alloy, the surface is treated by quenching, nitriding, chrome plating, polishing and super-fine grinding, roughness $Ra \leq 0.4\mu m$, nitride layer depth $\geq 0.6mm$, hardness HRC55~60
Bar material	38CrMoAlA chrome-molybdenum alloy, the surface is treated by quenching, nitriding, chrome plating, polishing and super-fine grinding, roughness $Ra \leq 0.4\mu m$, nitride layer depth $\geq 0.6mm$, hardness HRC55~60
Heating zone	Mica heater in zone 3, heater in head 2, copper fins in each zone, stainless steel safety hood
Cooling zone	3 sets of multi-wing fan super static forced air cooling
Motor	Precision gear motor

Electronic control system	PID / LED / RKC intelligent digital thermostat, high-precision digital instrument display all extrusion parameters, including temperature control, drive, pressure, interlocking joint control function
Power supply	AC380V, 50Hz three-phase five-wire
Volume	1250×500×940 (W×D×H)mm (without adjustable electric control box)
Weight	About 325kg