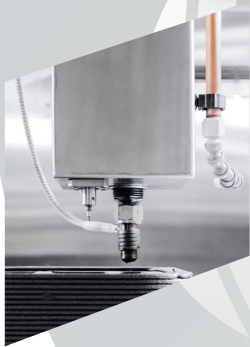


TRADESMAN SERIES™ P3-44

ADDITIVE SYSTEM

PROCESS
PELLET-FED
ADDITIVE MANUFACTURING
FUSED GRANULATE FABRICATION



▶ **Top-notch Pellet Extruders**

Reach extrusion rates up to 15 Pounds per hour using the Model 14, or upgrade to the Model 19 for throughput up to 30 Pounds per hour!

▶ **Streamlined Production**

All P3-44s are built with an integrated workstation that includes the complete suite of software tools necessary for operation.

▶ **Process Control**

Eliminate unwanted moisture from pellets before entering the extruder with mobile drying units. Prevent irregularity with a controlled build chamber.

▶ **Easy Calibration**

JuggerBot 3D's calibration software uses touch probe sensing technology to simplify the bed-leveling process and eliminate human error.

▶ **Industrial Motion & Control**

Robust integrated motion controllers are coupled with closed-loop servo motors and absolute encoders to ensure reliable and repeatable movement.

▶ **Drastically Reduce Print Time**

The P3-44 is equipped with pellet-fed extrusion technology capable of increasing throughput by more than 30X that of traditional 3D printers.

PERFORMANCE. RELIABILITY. VALUE.

The Tradesman Series™ P3-44 unlocks industrial 3D printing by enhancing printing speeds and material possibilities for manufacturers moving additive to the shop floor.

▶ **Use Production Materials**

Choose from a selection of market-ready options, or work with JuggerBot 3D to harness one of your own. Ask about our Material Testing & Assessments!

▶ **Professional Support & Service**

JuggerBot 3D offers service and support programs to make sure your team gets the most of their Tradesman Series™.

241 W Federal St, Youngstown, OH 44503
Phone: (330)331-2190 Email: sales@juggerbot3d.com



P3-44 VARIATIONS

Tradesman Series™ P3-44 + M19

Reach maximum throughput and build volume by adding the Model 19 pellet extruder to the P3-44.

Tradesman Series™ P3-44 + APEX

The Adjustable Position Extruder (APEX) System enables operators to utilize a second material or double throughput on a single system.

MATERIALS

Compatible with most third-party thermoplastic pellets.



(Tradesman Series™ P3-44 + M19)



(Tradesman Series™ P3-44 + APEX)



- ▶ **Commodity Materials**
(ABS, ASA, etc)
- ▶ **Flexible Materials**
(TPE, TPU, etc)
- ▶ **Engineering-Grade Materials**
(Nylon, PC, etc)
- ▶ **Composite Materials**
(Glass-Fiber Carbon Fiber, etc)
- ▶ **High-Temperature Materials**
(PEEK, PEI, etc)

SYSTEM SPECIFICATIONS		OTHER SPECIFICATIONS	
Build Volume (YXZ):	36 x 48 x 48 in (914 x 1219 x 1219 mm)	Positional Accuracy:	+/- 0.0010 in (0.025 mm). Part accuracy is dependent on geometry, material and material configuration
Machine Footprint:	73 x 125 x 101 in (1854 x 3175 x 2565 mm)		
Machine Weight:	4,400 lbs (1996 kg)	Safety:	Machine Access Sensors, Lockout, Tagout on Power
Max Extruder Temperature:	752 °F (400 °C)	System Power:	208V / 100A / 60Hz / 3Ph with Neutral and Ground
Max Platen Temperature:	248 °F (120 °C)	Dryer Power:	208V / 30A / 60Hz / 3Ph with Neutral and Ground
Max Chamber Temperature:	203 °F (95 °C)	Air Requirements:	Min 95psi, 4CFM
Dryer Capacity:	100 - 150 lbs (45 - 68 kg)	Operation Control:	27 Inch Monitor
Max Traverse Speed:	Up to 16.5 in/sec (420 mm/s)	Operating System:	Microsoft Windows 10 Pro
Suggested Layer Height:	0.030 - 0.089 in (0.75 - 2.25 mm)	Connectivity:	USB, Wi-Fi, Ethernet
Average Throughput:	Up to 15 lbs/hr (6.80 kg/hr)	Software:	Machine Control, Calibration Programs, Slicing Software, Remote Login Control.



Request a Quote

*Specifications above are subject to change.

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