

The RMC-40 combines FFF and FGF technologies in one of the largest commercially available LFAM enclosed printers. State of the art features combined in an economical and easy to use package provide an exceptional user experience and high quality prints with open source materials. The RMC model is optimized for and includes one filament extruder and one pellet extruder plus a heated, dry filament feed and storage cabinet.

Standard Features

Frame	Rigid, vibration damping welded semi-monocoque steel
Enclosure	Fully enclosed with interlocked doors
Insulation	5mm closed cell reflective foam
Enclosure Temp.	Passively heated to 60°C (85°C option)
Control System	Yaskawa CNC, Proprietary HMI
Motors	Direct coupled Yaskawa Servos
Liquid Cooling	All motors and Extruders have a closed loop cooling system
Slicing Program	Simplify3D with custom Printer Profile tailored to RM machines
Operator Station	Windows 11 PC on ergonomic arm
Heated Filament Cabinet	Included with storage for a minimum of four 20lb. rolls of filament
Build Volume	X: 1524mm (60.0") Y: 1524mm (60.0") Z: 1050mm (41.0") 2.25 cubic meter
Build Surface	High Temp Tempered Glass
Rapid Travel Speed	350 mm/sec
Heated Print Bed	Fabricated Aluminum 150°C max temp
Machine Size Range	Width 124" to 140" (3150mm to 3560mm for unheated or heated chamber) Depth 94" (2390mm) Height 92" (2340mm)
Machine Weight	3800-4400lbs. (1720-2000kg)
Warranty	12mo parts and labor
Voltage	208-240V Single-Phase or Three-Phase
Filament Extruder	(1) CD MHZ 2.0 2.85mm High Flow extruder with 450°C .6 to 2.4mm nozzles and extrusion speed of 200 mm ³ /sec
Alternate Extruder	(1) Slice Engineering Magnum+ 1.75 or 2.85mm hotends on Bondtech LGX Pro All Metal with extrusion speed of 90 mm ³ /sec
Pellet Extruder	(1) Dyze Design™ Pulsar 500°C 1-5mm nozzles, 3 kg/hr

Additional Options

Vacuum Print Bed	Add vacuum to the print bed to hold down flexible build sheets
Heated Chamber	85°C with additional 1.5" polyisocyanurate insulation
Pellet Dryer	Dri-Air Desiccant style pellet dryer with 30lb. hopper
Pellet Dryer Auto Refill	Dri-Air Cal-2. Keeps the pellet hopper filled at all times for long runs
UPS	Uninterruptable Power Supply - provides machine power for 15 min in case of power outage
Rear Doors	Improved access to the far side of large models
Extended Service Plan	Increase warranty by 12 months with on-site visit