

Debinder technical data

The Studio System™ debinder immerses green parts in proprietary debind fluid, dissolving primary binder and creating an open-pore channel structure throughout the part in preparation for sintering. With a low emission design, the debinder requires no external ventilation and is safe for use in an office environment. Automatic fluid distillation and recycling means there is no need to refill between each cycle.

Debinder properties	Solvent	Desktop Metal's proprietary debind fluid
	Max fluid volume	Process tank: 17.4 liters (4.6 gallons) Storage tank: 22.5 liters (5.94 gallons)
	Fluid chemical properties	Refer to MSDS
	Fluid cycle	Automatic fluid distillation and recycling
	Part holder	Stainless steel holder, optional multi-level adjustment trays
Safety	Vapor management	Low-emission design; no external ventilation required
	Fail safes	Over-temperature shutoff control, high vapor pressure shutoff control
Physical	External dimensions	w 74 x d 57 x h 102 cm (29 x 23 x 40 in)
	Height in open position	155.9 cm (61.4 in)
	Weight	150 kg (330 lbs) without fluid
Connectivity	Network	WiFi and Ethernet
	Power	110V 1-phase, 20A
Software	Supplied software	Studio System™ cloud software
	Browser requirements	Accessible via any web browser
	Onboard intelligence	<ul style="list-style-type: none"> Fully-automated debind cycle System status and cycle monitoring
	Onboard control	7" touchscreen debinder console