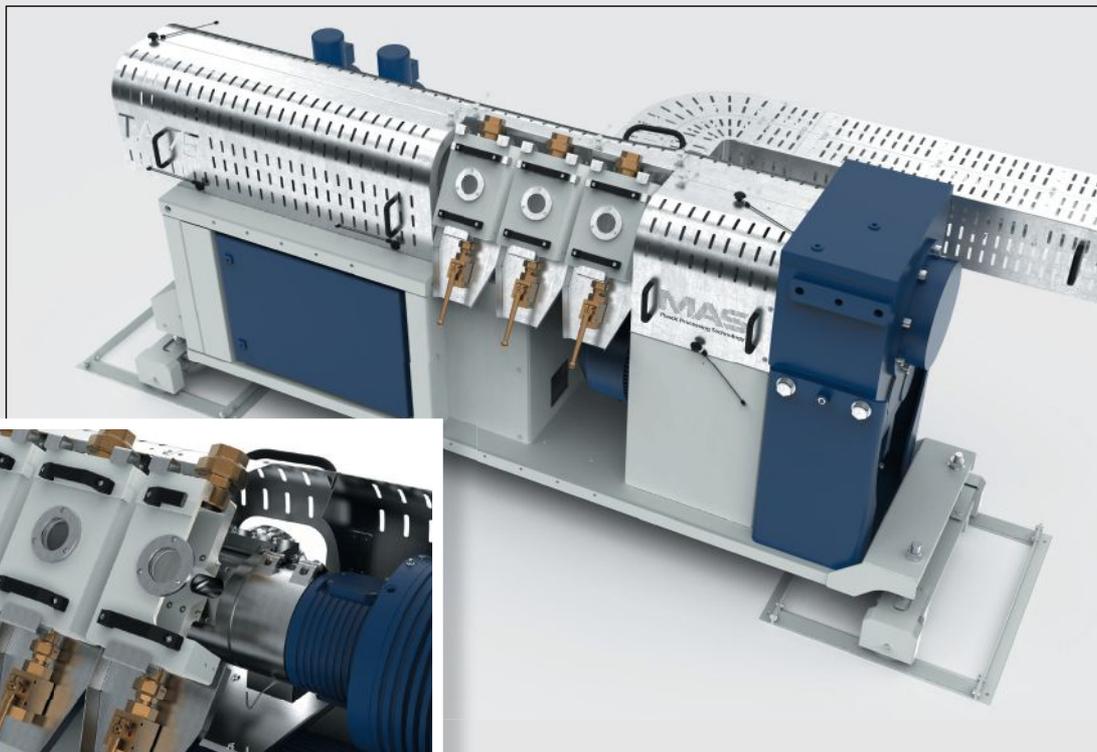
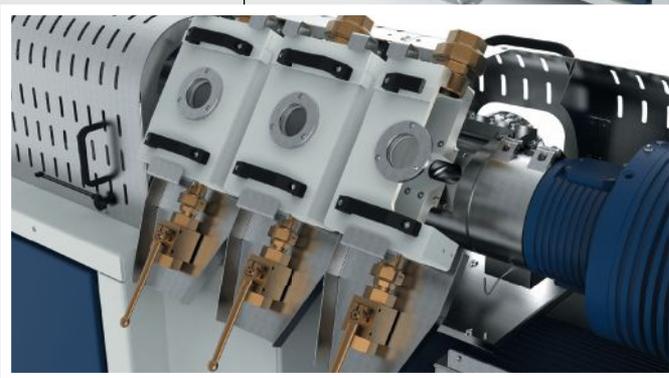


MAS RETROFIT PACKAGE IMPROVES DEGASSING

CASCADE This MAS retrofit package for recycling extrusion lines from MAS Maschinen und Anlagenbau Schulz GmbH, Pucking, Austria, combines the company's MAS-CDF disc filter with a single-screw degassing extruder. When located downstream of a single- or twin-screw extruder, the package creates a cascade extrusion line, in which the melt stream coming from the disc filter divides into a series of separate streams in a multi-channel melt distribution manifold. This makes it possible to process recycled material with high levels of soft contaminants or heavily printed materials. In the U.S., eFactor3 represents MAS.

WHAT'S NEW? The package, which was introduced at K 2019.

BENEFITS High-quality recycled resin. A cascade extrusion line provides more effective degassing for more homogeneous material density. The package can boost recycling line throughput by 40 to 50 percent and is especially effective at processing PE film flakes.



eFactor3, Charlotte, N.C., 704-944-3232, www.efactor3.com

3-D PRINTER CREATES FIBER-REINFORCED PARTS



FIBER This line of 3-D printers from Desktop Metal creates composite parts from PEEK, polyetherketoneketone (PEKK) and nylon 6 and consists of a low-temperature (LT) model and a high-temperature (HT) model. Each printer has two printer heads, one a fused-filament-fabrication (FFF) head that prints with filaments reinforced with chopped fiber, and a second head that lays down a continuous-fiber tape for high-strength reinforcement in critical areas. Depending on requirements, parts can be printed entirely with the FFF head, or the FFF head can be used to print the exterior surfaces and any portions where continuous-fiber tape is not required. Applications include manufacturing jigs and fixtures, as well as end-use parts for cars, electronics, consumer goods and bicycles.

WHAT'S NEW? The printers, which feature Desktop Metal's micro automated fiber-placement process. They will be commercially available in the second quarter.

BENEFITS Composite parts that are two times stronger than steel at an affordable price. The printers are being offered on a subscription model, with a three-year minimum term. The starting subscription price for the Fiber LT is \$3,495 per year; the Fiber HT starts at \$5,495 per year.

Desktop Metal Inc., Burlington, Mass., 978-224-1244, www.desktopmetal.com

Vital Statistics		
	Fiber HT	Fiber LT
Resins	PEEK, PEKK, nylon 6	Nylon 6
Reinforcement	Carbon fiber, fiberglass	Carbon fiber, fiberglass
Build volume (inches)	12.2 by 9.4 by 10.6	12.2 by 9.4 by 10.6