

3D Filament Spooling Solutions

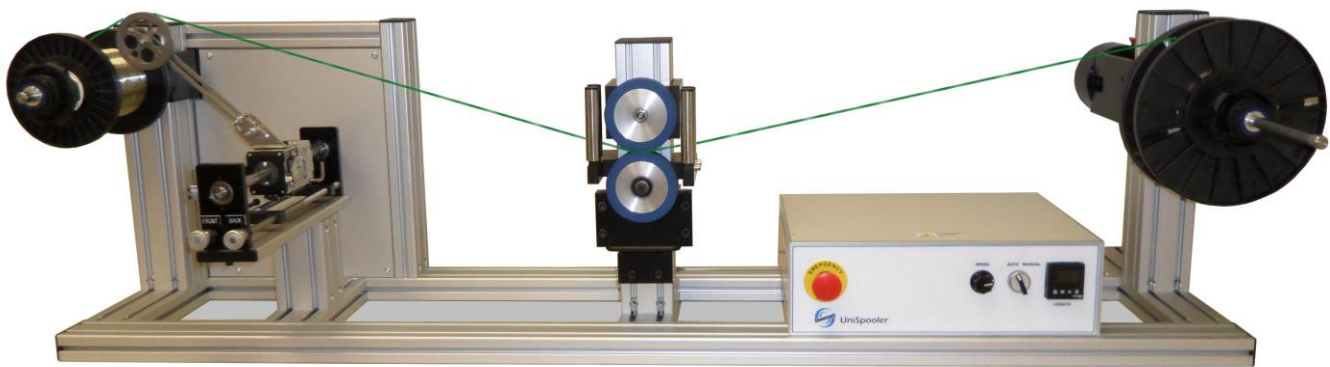
Respoolers & Take-up Units



Showmark, LLC manufactures a variety of respooling machines and take-up units that can be used for production and distribution of 3D printing filament. Solutions are offered for winding material as it exits an extruder or respooling filament from heavy bulk spools onto smaller spools.

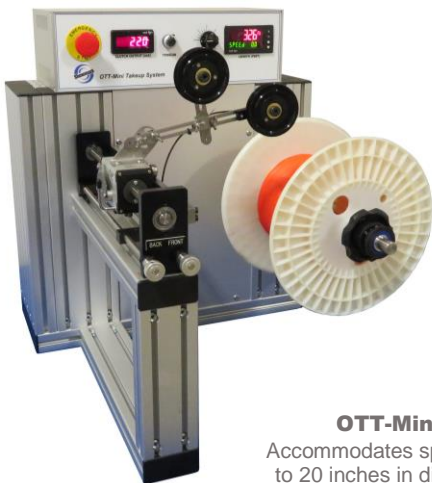
Respooling

The UniSpooler is a simple to use general purpose respooler that is ideal for use with 3D filament and other fine wires. It produces neatly wound tangle-free spools from bulk spools of filament at speeds up to 300rpm. It can be configured to hold up to a 50lb bulk spool and automatically stop at a desired length with .1% accuracy.



Take-up Systems

Showmark offers several sizes of take-ups for neatly winding filament directly onto a spool as it exits an extruder. Spools from 1-300 pounds can be accommodated. Most systems are available with length tracking and tension control. They automatically synchronize with the extruder while maintaining a desired tension in the material. Systems can be configured for single or multi-wire extrusion lines.



OTT-Mini
Accommodates spools up to 20 inches in diameter weighing 40 pounds



OTT-Medium
Accommodates spools up to 30 inches in diameter weighing 100lbs



3D Printing Filament Spooling Results