

AMBITTM XTRUDE-HSS with High-speed Spindle

Combine material extrusion with high-speed milling

Description

This package brings milling and material extrusion to robots and gantries and includes:

- AMBIT XTRUDE-HSS deposition head
- Coupling from the XTRUDE to the spindle
- High-speed HSK spindle (up to 24K RPM) with Variable Frequency Spindle Drive (VFD) control

Equip your robot, gantry, or hexapod with the ability to switch between polymer/composite printing and milling. This equipment combination enables printing near-net at high speeds while still achieving smooth surfaces in a single setup.

AMBITM XTRUDE with high-speed spindle (Image courtesy of Autodesk)

Easily go from pellets to print to a finished part using a single system.

> AMBITTM XTRUDE printing thermoplastic composite

Upper cylindrical section being milled immediately after printing

Rectangular part section showing as-deposited bead and milled upper wall (Courtesy of Autodesk)

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Extended Spec Sheet Available

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