

# Additive Manufacturing & 3D Printing News Roundup (Nov 1–Dec 7, 2025)

## Industry News

[DJI invests in ELEGOO to diversify into consumer 3D printing](#) — DJI became a shareholder in ELEGOO's parent company on Nov 18, signaling Chinese Big Tech's growing interest in desktop AM. While the stake size wasn't formally disclosed, reports indicate a strategic hedge amid U.S. regulatory pressure on DJI's core drone business. For hobbyists, more capital flowing into low-cost FFF/LCD ecosystems could accelerate price competition and feature velocity.

[Bambu Lab's MakerWorld escalates copyright dispute; Creality denies infringement](#) — In mid-November, Bambu's MakerWorld accused rival repositories of hosting re-uploaded, allegedly infringing models; Creality said it received no legal notice and rejected the claims. The episode highlights unresolved IP enforcement challenges around community-shared CAD, with potential implications for platform trust, moderation workflows, and creators' monetization.

[Prusa formalizes CORE One+ upgrade and Formnext 2025 lineup](#) — Prusa paused shipments briefly and resumed Nov 27 as "CORE One+," rolling in mechanical updates and automatic top-vent operation. The company also previewed INDX tool-changing and accessory roadmap (HT Hotend, dryboxes), signaling continued push into professionalized desktop.



## New Products & Technologies

[3D Systems launches SLA 825 Dual high-throughput SLA](#) — Dual synchronous 4 W lasers, 830×830×550 mm build, and 50–150  $\mu\text{m}$  layers target fast, accurate production of large polymer parts. Positioned for 24/7 operation with HyperScan and a revamped UI, shipments begin December for customers needing SLA surface quality at higher volumes.

[Bambu Lab unveils H2C dual-nozzle with Vortek auto-changer](#) — Shown at Formnext, H2C introduces induction-heated nozzles and near-zero purge switching to cut waste and multi-material downtime. Intro pricing and early-December ship timing place it squarely into semi-pro desktop, raising the bar for automated tool/nozzle handling on consumer-priced machines.

[Prusa + Bondtech INDX tool-changing for CORE One family](#) — INDX separates a single active "Smart Head" from passive, low-cost toolheads, enabling 4–8 materials without long buffer paths or purge chutes. The design aims for scale and serviceability, targeting low-waste color/material workflows for education, design, and light production.

[OrcaSlicer 2.3.1 ships with November updates](#) — The popular open-source slicer posted a mid-Nov release across Windows/macOS/Linux. Notable for rapid profile iteration and community-driven features, the

cadence keeps pressure on OEM forks and proprietary slicers to improve calibration tools and multi-material support.

## Regulatory & Standards Updates

[ASTM partners with Additive Center to accelerate AM certification for semiconductor suppliers](#) — Announced Nov 19, the collaboration focuses on structured certification pathways for AM parts in semiconductor tooling and equipment. Expect clearer qualification plans and operator competency frameworks to shorten time-to-approval in a sector demanding high cleanliness and repeatability.

## Research & Academic Insights

[UT Austin team secures \\$14.5M DARPA award to advance AM for semiconductors](#) — The effort aims to push 3D-printed structures for future microsystems and advanced packaging, addressing design freedom limits of subtractive processes. If successful, it could expand AM's role in micro-scale channels, interposers, and thermal management for AI hardware.

[Hydrogel chemistry enables NO-releasing, ROS-scavenging 3D-printed blood vessels](#) — A Nov 27 paper in *Biotechnology & Bioengineering* reports functionalized bio-inks that both release nitric oxide and quench reactive oxygen species. The approach improves vascular construct viability and could accelerate patient-specific in-vitro disease modeling and regenerative graft R&D.

[‘Necroprinting’: mosquito-proboscis tips as ultra-fine 3D printing nozzles](#) — McGill researchers re-purposed biological micro-structures (~20 µm ID) reinforced with printed scaffolds to produce low-cost, high-resolution nozzles. While early-stage, the method hints at sustainable, disposable tooling for bioprinting and micro-fabrication labs.

## Sector Applications

**Aerospace/Defense:** [Mobile 3D-printing “xCell” factories to produce drones forward-deployed](#) — Firestorm's containerized units integrate industrial printers to output ~17 drones per week; fits DoD push for agile, low-cost sUAS supply.

**Medical/Dental:** [University of Sydney team 3D-prints artery-mimicking vessels for stroke research](#) — Ultra-precise, patient-specific vessels enable controlled thrombus studies, potentially informing device design and treatment protocols.

**Construction:** [Earth-based 3D printing studied as sustainable housing option](#) — Swinburne University is evaluating clay/soil mixes for structural elements as Australia explores lower-carbon, local-material builds.

**Consumer/Automotive:** [Fully 3D-printed titanium road bike debuts](#) — J.Laverack, with Loughborough University, introduced Speedform; additive methods enable complex aerodynamics and integrated structures for high-end cycling.

**\*\* Social Chatter:\*\*** Maker forums and subreddits are dominated by Bambu's late-November firmware and cloud/LAN debates, with users weighing feature gains vs. ecosystem lock-in ([thread 1](#), [thread 2](#)). The MakerWorld vs. Creality IP dispute remains a lightning rod, with creators discussing evidence standards and DMCA-style processes ([news](#), [MakerWorld post](#)). On YouTube, Formnext walk-throughs of giant machines and booths are trending, giving hobbyists a window into industrial-scale gear ([video](#)). Finally, slicer fans swapped notes on the OrcaSlicer 2.3.1 drop and profile tweaks, with many experimenting on Prusa CORE One(+) and Bambu fleets ([downloads](#)).

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*Feature image from first article:*

Prusa INDX tool rack