WINSTONE 3D

PRODUCT CATALOGUE / 2026

3D PRINTING MATERIALS & EQUIPMENT



Bringing ideas to life, layer by layer

Winstone Industrial Tech Co., Ltd.

www.winstone3d.com

AI-generated application concept

Portfolio & Selection Guide



A selection portfolio for material brands, distributors, print farms and industrial buyers. Start with application, machine compatibility and procurement specifications.

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WINSTONE 3D · Bringing ideas to life, layer by layer. All imagery is AI-generated.

Our Brand Story



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Ideas take shape, layer by layer

Every idea begins with an exploration of materials and structure. Inspired by layer-by-layer creation, WINSTONE 3D brings materials, equipment and components into one application-focused vision. From concept models and functional prototypes to tooling and everyday manufacturing, our purpose is to bring design closer to use and give ideas a tangible form.

Our philosophy: material focus · process understanding · practical applications

Materials, Process & Application



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Attention to every layer

Filament selection considers diameter, winding, moisture and packaging. Resins require print and post-cure parameters. Powders require particle-size, chemistry and batch records. Equipment parts require dimensional, interface and compatibility checks.

Our philosophy: material focus · process understanding · practical applications

Standard FDM Filaments



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PRODUCT RANGE

PLA, PLA+, PETG, ABS, ASA, TPU, HIPS, PVA and BVOH water-soluble support filaments.

APPLICATIONS

For concept models, everyday prototypes, display pieces, housings and flexible parts. Select by printing environment, weather exposure and flexibility.

SELECTION & ENQUIRY

Specify material, diameter, color, net weight per spool, quantity, target printer and packaging.

Engineering Filaments



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PRODUCT RANGE

PA6, PA12, PA-CF, PA-GF, PC, PC-ABS, PET-CF, PETG-CF, PPS, PPS-CF, PEEK, PEI and PEKK.

APPLICATIONS

For tooling, fixtures, functional prototypes and engineering parts. High-performance polymers require suitable machine temperatures, chamber conditions and processing.

SELECTION & ENQUIRY

Provide service temperature, loads, dimensional requirements, printer configuration, drying conditions and required test methods.

Specialty Filaments



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PRODUCT RANGE

Matte PLA, silk PLA, wood-filled, metal-filled, glow-in-the-dark, conductive, ESD, flame-retardant and heat-resistant filaments.

APPLICATIONS

Visual-effect grades serve decorative and display applications. Functional grades must be selected against application-specific testing.

SELECTION & ENQUIRY

Define appearance references, performance targets, test conditions, nozzle type and color consistency requirements.

Photopolymer Resins



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PRODUCT RANGE

Standard, ABS-like, water-washable, plant-based, flexible, tough, clear, heat-resistant, castable and engineering resins.

APPLICATIONS

For detailed models, visual prototypes, casting patterns and functional parts. Match resin to exposure technology, washing and post-curing processes.

SELECTION & ENQUIRY

Specify printer model, wavelength, application, color, packaging and performance.

Polymer Printing Powders



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PRODUCT RANGE

PA11, PA12, PA12-GF, TPU, PP, high-temperature polymer powders and reinforced composite powders.

APPLICATIONS

For compatible powder-bed additive manufacturing systems. Selection depends on the machine material window, powder condition and processing parameters.

SELECTION & ENQUIRY

Provide machine and process, particle-size distribution, refresh-ratio requirements, part application and batch testing needs.

Metal AM Powders



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PRODUCT RANGE

316L and 17-4PH stainless steel; AlSi10Mg aluminum; Ti6Al4V titanium; Inconel 625/718 nickel alloys; CoCr alloys and tool steels.

APPLICATIONS

For industrial metal additive manufacturing projects. Alloy grade, powder specification and finished-part acceptance criteria must be defined together.

SELECTION & ENQUIRY

Specify process, equipment, alloy standard, particle-size range, chemistry and packaging.

Bulk & OEM Materials



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PRODUCT RANGE

3D-printing-grade pellets, modified pellets, custom-color OEM filaments, large spools, spool-less refills, industrial packs and custom formulations.

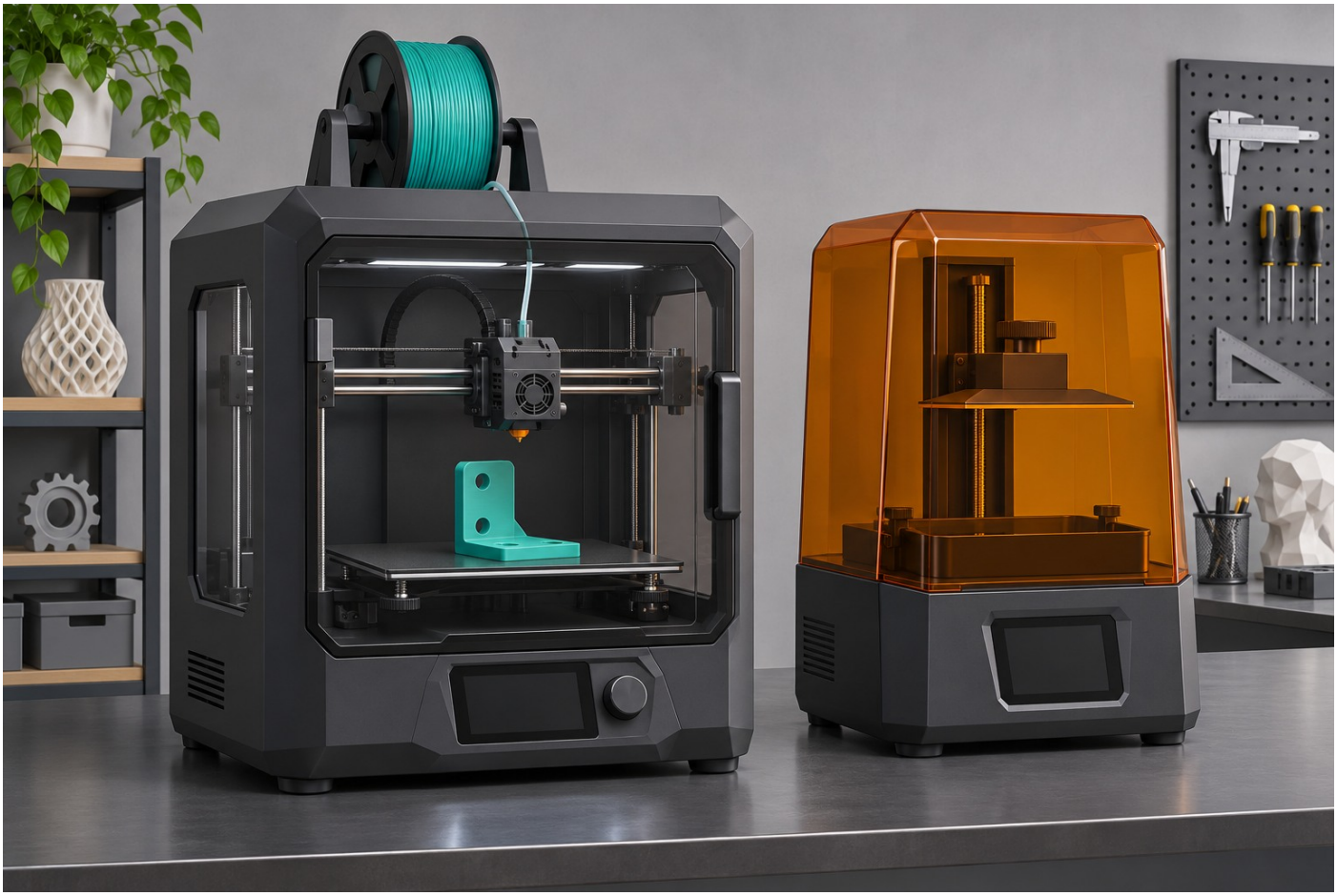
APPLICATIONS

For material brands, wholesalers and print farms. Define color matching, spool dimensions, packaging and batch traceability for each project.

SELECTION & ENQUIRY

Provide artwork, target colors, spool dimensions, batch quantities and packaging languages.

FDM & Resin 3D Printers



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PRODUCT RANGE

01 FDM/FFF: desktop, enclosed, large-format, high-speed, engineering-material, multi-material and print-farm systems.
02 Resin: LCD/MSLA, DLP, SLA, large-format and professional high-detail systems.

APPLICATIONS

For prototyping, education integration, print services and small-batch manufacturing. Select around part requirements and workflow, beyond headline speed.

SELECTION & ENQUIRY

Specify build volume, materials, accuracy needs, output, power supply, software and service expectations.

Industrial AM Systems



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PRODUCT RANGE

SLS polymer systems, MJF-type powder-bed systems, industrial pellet-extrusion systems, metal laser powder-bed fusion and binder-jetting systems.

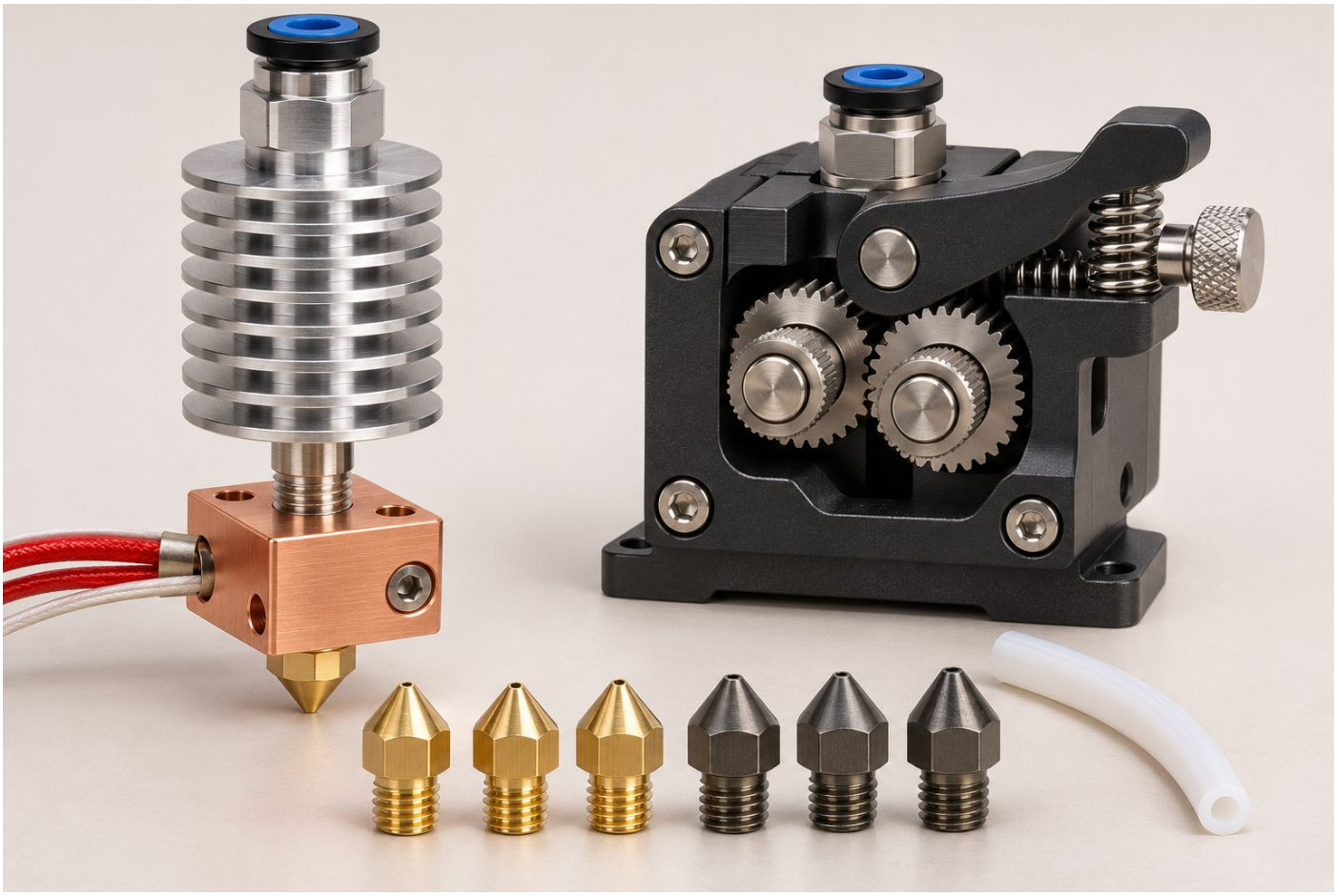
APPLICATIONS

Project-based selection covering materials, site conditions, post-processing, installation, training and local technical support.

SELECTION & ENQUIRY

Provide part drawings, materials, annual volumes, site conditions and acceptance criteria.

Extrusion & Hotend Components



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PRODUCT RANGE

Brass, hardened-steel and tungsten-carbide nozzles; hotend assemblies, heater blocks, heatbreaks, heat sinks, extruders, extrusion gears, feed wheels and PTFE tubes.

APPLICATIONS

For printer brands, repair channels and print-farm spares. Match components to material abrasion, extrusion temperatures and mounting interfaces.

SELECTION & ENQUIRY

Provide printer model, interface drawings, nozzle bore, thread, filament diameter and temperature range.

Build Platforms & Motion



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PRODUCT RANGE

05 Build & heating: PEI spring-steel sheets, magnetic/glass plates, aluminum beds, silicone heaters, heater cartridges, temperature sensors and leveling parts.
06 Motion: rails, carriages, shafts, linear bearings, ball/lead screws, timing belts/pulleys, stepper motors, couplings, aluminum frames and vibration damping.

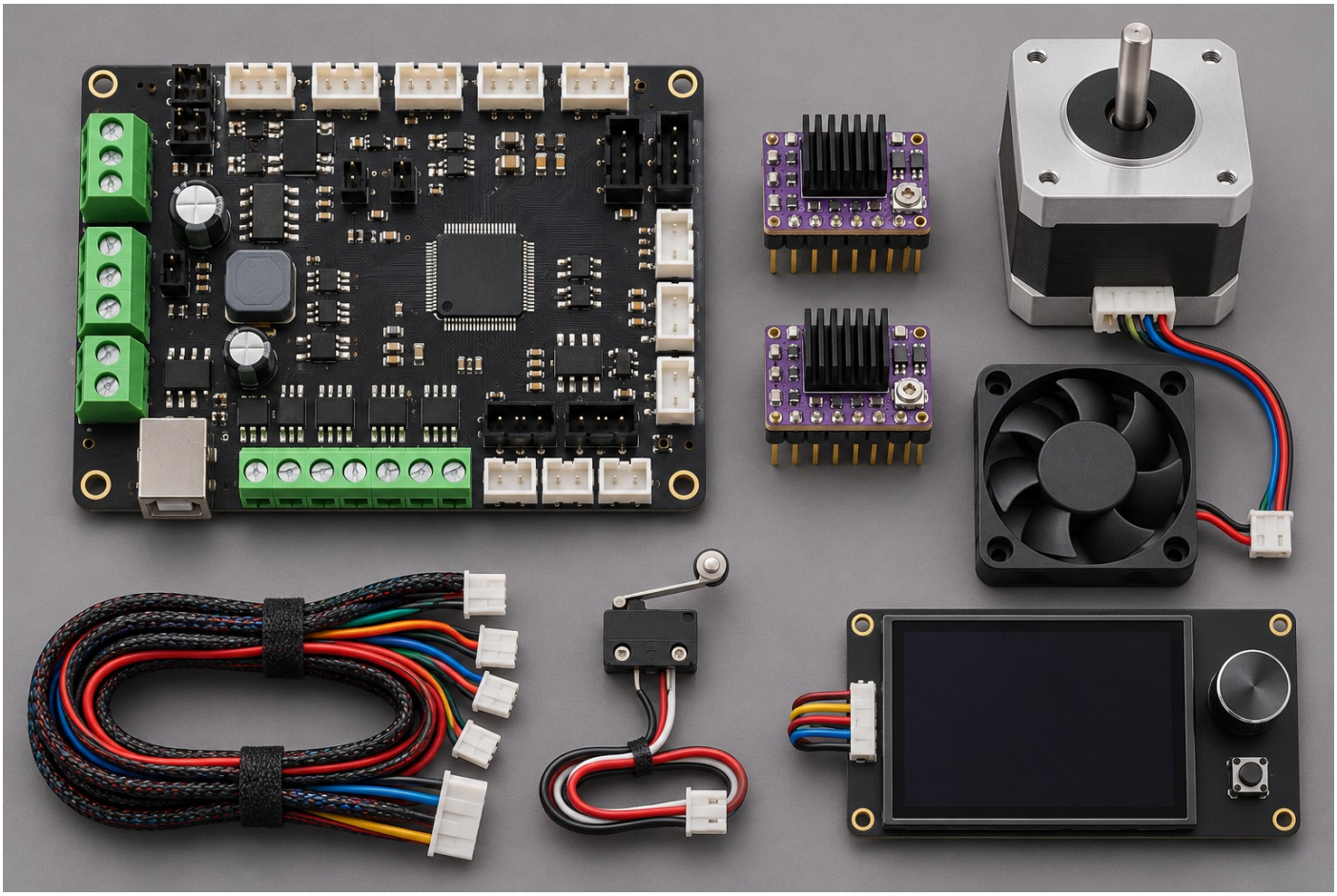
APPLICATIONS

Match build surfaces to material adhesion needs; select motion parts by travel, load and mounting dimensions.

SELECTION & ENQUIRY

Provide drawings, flatness/accuracy requirements, mounting positions, voltage, power and operating temperature.

Electronics & Control



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PRODUCT RANGE

Mainboards, stepper drivers, touch displays, switching power supplies, limit switches, proximity sensors, auto-leveling sensors, cooling fans, harnesses and connectors.

APPLICATIONS

For system integration, replacement parts and project supply. Electrical interfaces, firmware and mechanical mounting must be matched together.

SELECTION & ENQUIRY

Provide board revision, firmware, ports, operating voltage/current, cable lengths and connector pinouts.

Drying, Feeding & Finishing



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PRODUCT RANGE

08 Drying & feeding: single-spool dryers, multi-spool/industrial cabinets, vacuum storage, automatic feeders, spool racks, buffers and pellet feeders.
09 Post-processing: resin washing, UV curing, wash-and-cure units, support removal, vibratory finishing, blasting, cleaning and surface-treatment auxiliaries.

APPLICATIONS

Build a workflow around material storage, stable feeding and finishing. Match auxiliary equipment capacity to printing output.

SELECTION & ENQUIRY

Specify materials, spool dimensions, temperature/humidity needs, batch capacity, curing conditions and power supply.

Enclosures & Print Farms



AI-generated product and application illustration

PRODUCT RANGE

10 Enclosures & filtration: covers, metal cabinets, ventilated filter boxes, activated-carbon units, HEPA modules, extraction ducts and temperature-controlled cabinets.
12 Farm infrastructure: printer racks, workbenches, cabinets, material storage, feeding, central extraction, power distribution and cable management.

APPLICATIONS

For multi-printer layout, material management and maintenance access. Filtration and extraction must suit materials, emissions and site conditions.

SELECTION & ENQUIRY

Provide machine count, dimensions, floor plan, power and extraction conditions.

Resin Printer Parts



AI-generated product and application illustration

PRODUCT RANGE

FEP, nFEP/PFA and ACF release films; resin vats, exposure LCDs, UV modules, build platforms, seals, scrapers and replacement components.

APPLICATIONS

For resin-printer maintenance and spares. Match films, screens and light sources to the optical system and mounting specification.

SELECTION & ENQUIRY

Provide printer model, film thickness/size, LCD model, interface, wavelength and mounting drawings.

Let’s Discuss Your Project



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Explore new possibilities in materials and manufacturing with WINSTONE 3D. Contact us to discuss your products and applications.