
GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains explanations of certain terms used in this Document in connection with our Group and our business. The meaning of these terms may not necessarily correspond to standard industry meaning or the usage of these terms.

“CDP”	Customer Data Platform, a system used to collect, integrate and analyze customer data for marketing and customer management purposes.
“Cloud-Edge-End”	a system architecture integrating cloud computing, edge computing and device-level execution to enable coordinated data processing, equipment control and production management.
“cloud factory model”	a manufacturing model that connects distributed production capacity through cloud-based platforms to enable flexible production and resource allocation.
“digital twin”	a virtual, high-fidelity representation of physical manufacturing assets, processes and systems that uses real-time data to mirror their behavior, enabling bidirectional interaction between the physical and digital worlds for simulation, monitoring, optimization, and predictive modeling.
“distributed manufacturing”	a production model that distributes manufacturing tasks across multiple locations or facilities, coordinated through digital systems.
“DLP”	Digital Light Processing, a 3D printing technology that uses projected light to cure photopolymer resin layer-by-layer, enabling high-speed and high-precision production.
“DTC”	Direct-to-Customer, a business model in which products or services are provided directly to end customers without intermediaries.
“industrial-grade 3D printing”	3D printing technologies applied in industrial manufacturing scenarios, characterized by high performance, repeatability and suitability for production of functional parts.
“LCD”	Liquid Crystal Display-based 3D printing technology that uses masked light exposure to cure resin, enabling fine-detail reproduction and cost-effective production.
“MES”	Manufacturing Execution System, a system used to manage and monitor manufacturing processes, including production scheduling, execution and tracking.
“photopolymer resin”	a liquid high-molecular-weight material that can rapidly polymerize and crosslink under UV light or other specific wavelengths, forming a cured solid.
“Polykits”	our proprietary geometric algorithm library used for processing and optimisation of 3D model data in 3D printing workflows.
“process package”	a standardized set of process parameters and instructions used for consistent execution of 3D printing production across different equipment and locations.
“prototyping”	the process of producing preliminary models or samples of products for design validation and testing.

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“SaaS”	Software-as-a-Service, a cloud-based software delivery model in which applications are provided over the internet rather than installed locally.
“SLA”	Stereolithography, a 3D printing technology that uses a laser to cure liquid photopolymer resin layer-by-layer to form solid parts, commonly used for high-precision prototyping and industrial applications.
“SLM”	Selective Laser Melting, a metal additive manufacturing technology that uses a high-energy laser to fully melt metal powder layer-by-layer to produce dense and high-performance metal components.
“SRM”	Supplier Relationship Management system, a platform used to manage supplier interactions, procurement processes and supply chain coordination.
“Unionfab”	our proprietary 3D printing platform built on a “Cloud-Edge-End” architecture integrating SaaS cloud services, device operating system and AI automation engine, enabling end-to-end digital manufacturing workflows.
“Unionfab Auto”	our proprietary AI-powered automation engine, which integrates AI agents and leverages end-to-end algorithm-driven reengineering to enable unmanned, standardized and data-driven operations across the entire production workflow.
“Unionfab Cloud”	our cloud-based hub for distributed manufacturing (serving as a central nervous system), which, through a microservices architecture, integrates DTC marketing, SRM supply chain collaboration and MES production management to enable efficient coordination of global production capacity and intelligent scheduling.
“Unionfab ONE” or “ONE”	our industrial-grade edge computing and intelligent device operating system, which, through a modular plug-in architecture, enables deep integration of software and hardware and provides millisecond-level control, automated data processing, process matching and real-time status feedback for diverse types of industrial equipment.