



3D PRINTER

XCELL 300S

Mid-volume production for small and large parts. Sixth generation stereolithography.



XCELL 3D printers

The XCELL project advances DWS's stereolithography for large-scale production with a scalable platform offering customizable printers and light engine-agnostic irradiation options. XCELL opens the door to large scale production.

PRODUCT DESCRIPTION

The **XCELL 300S** offers an industry-standard print format of (x)**300** x (y)**300** x (z)**550 mm**, making it the ideal solution for mid-volume production of both small and large parts.

The Blue-Edge single laser engine allows a standard resolution prints with excellent surface quality. The Smart Coating Technology, through its advanced material management, ensures superior repeatability and unmanned operations for multiple days.



1 Solid State BluEdge® laser source



Reducing printing time



Smart-Coating technology



Equipped with PC with touch screen monitor

Technical specifications

Technology	Smart Coating Stereolithography
Working area	(x)300 x (y)300 x (z)550 mm
Light engine	Single laser - Solid State BlueEdge®
Slice thickness	10-200 microns (mechanical resolution, the actual value depends on the material used)
Scanning method	Galvanometer
Software	Fictor® and Nauta® Plus included
Input file format	stl, .slc, .nauta, .fictor, .mkr, .3dm, .3ds, .ply, .obj, .lwo, .x
Machine size	1503 x 899 x 1979 mm
Weight	550 Kg
Operating temperature and humidity	20°-25°C / 60%
Power supply	AC 230/115 V / 50-60 Hz
Electrical consumption	600W
Connectivity	WI-FI

PC minimum requirements

Processor	Latest Intel i7 *
Memory	RAM 16 GB*
Graphic Card	Latest NVIDIA Quadro or RTX graphics card with 6/8 GB VRAM
Hard Disk	SSD 200 MB
Interfaces	1 port USB - 1 port Ethernet TCP/IP
Connectivity	1 Active internet connection

* Built-in PC, the minimum requirements are expressed in order to operate Nauta Plus with an external PC (not included).
The recommended requirements may vary in accordance with the complexity of the file to be printed.

Technical specifications subject to change without notice. TDS_EN_XCELL300S / Rev.03 / 02-2026