



3D PRINTER

XCELL 900S

Large-scale production with an ultra-wide build volume.



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 900S** offers a print format of (x)**900 x** (y)**300 x** (z)**550 mm**, making it the ideal solution for high-volume production of large quantities of parts or unusual shapes.

The Blue-Edge triple laser engine system allows a standard resolution definition prints with excellent surface quality on a unique, ultra-wide build volume.

The Smart Coating technology, through its advanced material management, ensures superior repeatability and unmanned operations for multiple days.



3 Solid State BluEdge® laser sources



Reducing printing time



Smart-Coating



Equipped with PC with touch screen monitor

Technical specifications

Technology	Smart Coating Stereolithography
Working Area	(x)900 x (y)300 x (z)550 mm
Light Engine	Triple laser Solid State BlueEdge®
Slice Thickness	10-200 microns (mechanical resolution, the actual value depends on the material used)
Scanning Method	Triple-Galvanometer
Software	Fictor® and Nauta® Plus included
Input Format File	stl, .slc, .nauta, .fictor, .mkr, .3dm, .3ds, .ply, .obj, .lwo, .x
Machine size	2100 x 860 x 2450 mm
Weight	1200 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 i9 or Xeon processor *
Memory	RAM 32 GB or higher*
Graphic Card	Latest NVIDIA Quadro or RTX graphics card with 16 GB VRAM
Hard Disk	SSD 200 MB
Interfaces	1 port USB - 1 port Ethernet TCP/IP
Connectivity	1 Active internet connection
Extra	The use of a multi-button mouse with scroll wheel is recommended

* 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_XCELL900S / Rev.03/ 02-2026