



3D PRINTER

# XCELL 300Q

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



## 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 300Q** 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.

DWS's proprietary quad-laser light engine, offers the highest resolution available for Jewellery and Eyewear applications. The Smart Coating technology, through its advanced material management, ensures superior repeatability and unmanned operations for multiple days.

Available also in **HR laser version (XCELL 300QHR)**.



4 Solid State BluEdge® laser source



Reducing printing time



Smart-Coating technology



Equipped with PC with touch screen monitor

## Technical specifications

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

## PC minimum requirements

<b>Processor</b>	Latest Intel i9 or Xeon processor *
<b>Memory</b>	RAM 32 GB or higher*
<b>Graphic Card</b>	Latest NVIDIA Quadro or RTX graphics card with 16 GB VRAM
<b>Hard Disk</b>	SSD 200 MB
<b>Interfaces</b>	1 port USB - 1 port Ethernet TCP/IP
<b>Connectivity</b>	1 Active internet connection
<b>Extra</b>	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\_XCELL300Q / Rev.03 / 02-2026