



3D PRINTER

# XCELL 900Q

Large-scale production with an ultra-wide build volume. 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 900Q** 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.

DWS's proprietary twelve-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 900QHR)**.



12 Solid State BluEdge® laser sources



Reducing printing time



Smart-Coating



Equipped with PC with touch screen monitor

## Technical specifications

|   |   |
|---|---|
| <b>Technology</b>                         | Smart Coating Stereolithography   |
| <b>Working Area</b>                       | (x)900 x (y)300 x (z)550 mm   |
| <b>Light Engine</b>                       | Twelve 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>                    | Twelve-Galvanometer   |
| <b>Software</b>                           | Fictor® and Nauta® Plus included  |
| <b>Input Format File</b>                  | stl, .slc, .nauta, .fictor, .mkr, .3dm, .3ds, .ply, .obj, .lwo, .x                    |
| <b>Machine size</b>                       | 2100 x 860 x 2450 mm  |
| <b>Weight</b>                             | 1200 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 recommended 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\_XCELL900Q / Rev.02 / 02-2026