



detax

**Detax - Process
dx
direct aligner**

2026

General Information



Annex 1

Digital light Processing (DLP) printer, operation software and parameter

| Model (Picture) | Printer Manufacturer | Light source | Light intensity | Operation Software | Parameter data set* |
|--|-------------------------|-----------------|------------------------|-----------------------|---------------------------|
|  | Asiga Max | 385 nm | 7.0 mW/cm ² | Composer 2.0.8 | Detax_dx direct aligner_5 |
|  | Asiga Max 2 | 385 nm | 7.0 mW/cm ² | Composer 2.0.8 | Detax_dx direct aligner_5 |

General Information



Cleaning Equipment

| Cleaning unit Manufacturer, Model | Cleaning process |
|---|--|
| Ultrasonic bath Bandelin Sonorex | <p>Clean the parts with isopropyl alcohol (purity $\geq 98\%$) for 3 minutes. Then thoroughly clean the openings, cavities and gap areas with compressed air.</p> <p>The main cleaning is performed in a separate vessel with fresh isopropyl alcohol (purity $\geq 98\%$) for 3 minutes.</p> <p>Prior to post-exposure, check the openings, cavities and gap areas for residues. Then blow off with compressed air.</p> |

*The set of parameters includes all relevant material- and printer specific information

Light curing Equipment

| Light Curing unit Manufacturer, Model | Curing process |
|--|---|
| NK Optik Otoflash G171 | 2 x 2000 flashes under inert gas, turn around components after 2000 flashes |

Design - exocad - 3Shape dx direct aligner

- Wall thickness
 - Min 0.5 mm / 500 μ m

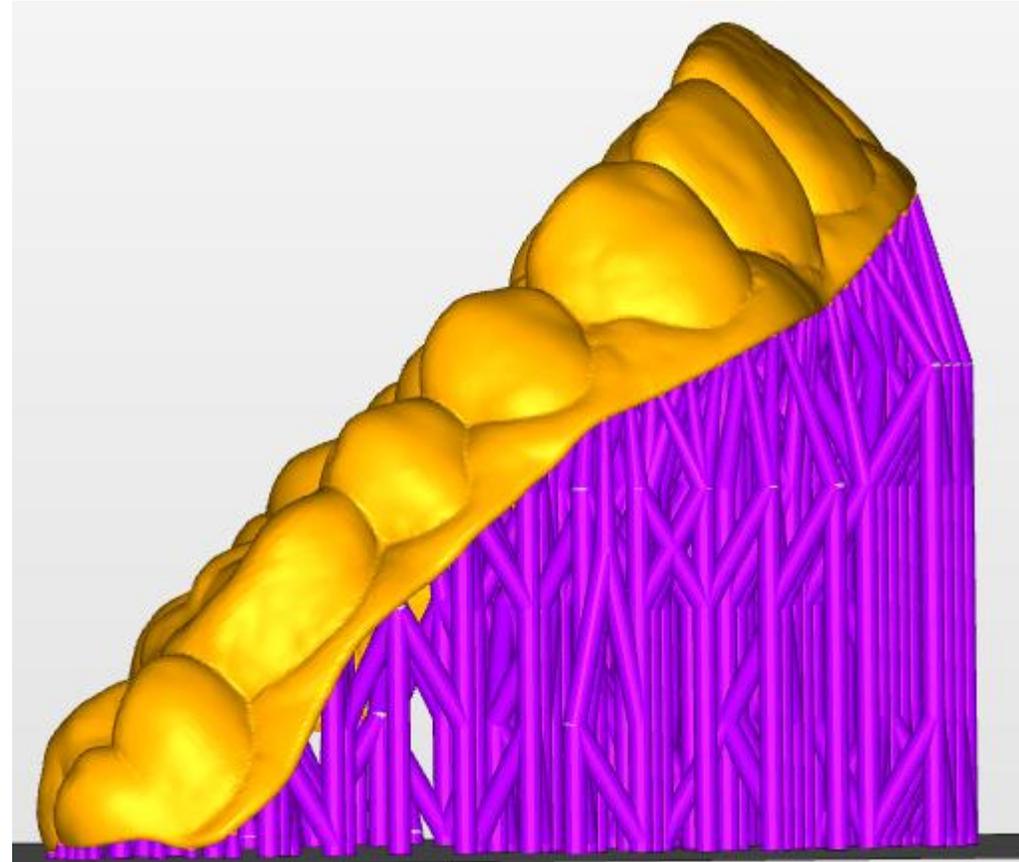
dx



Nesting

dx direct aligner -
orientation

- Tray:
 - All types available
 - Ultra gloss Lift (for best result)
- Orientation
 - 45 – 60 degrees
- Slicing thickness
 - 50 - 100 μ m

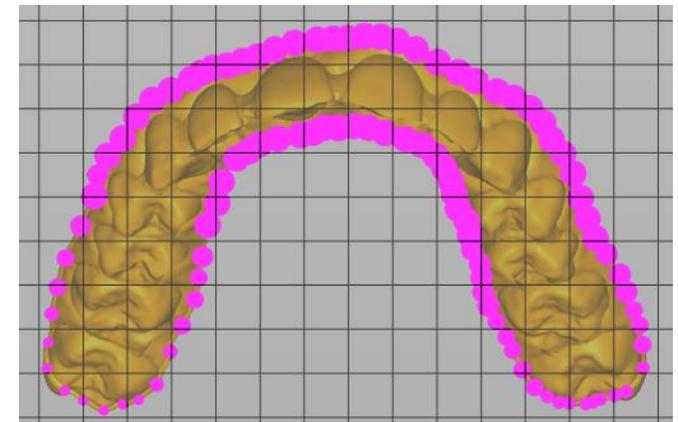
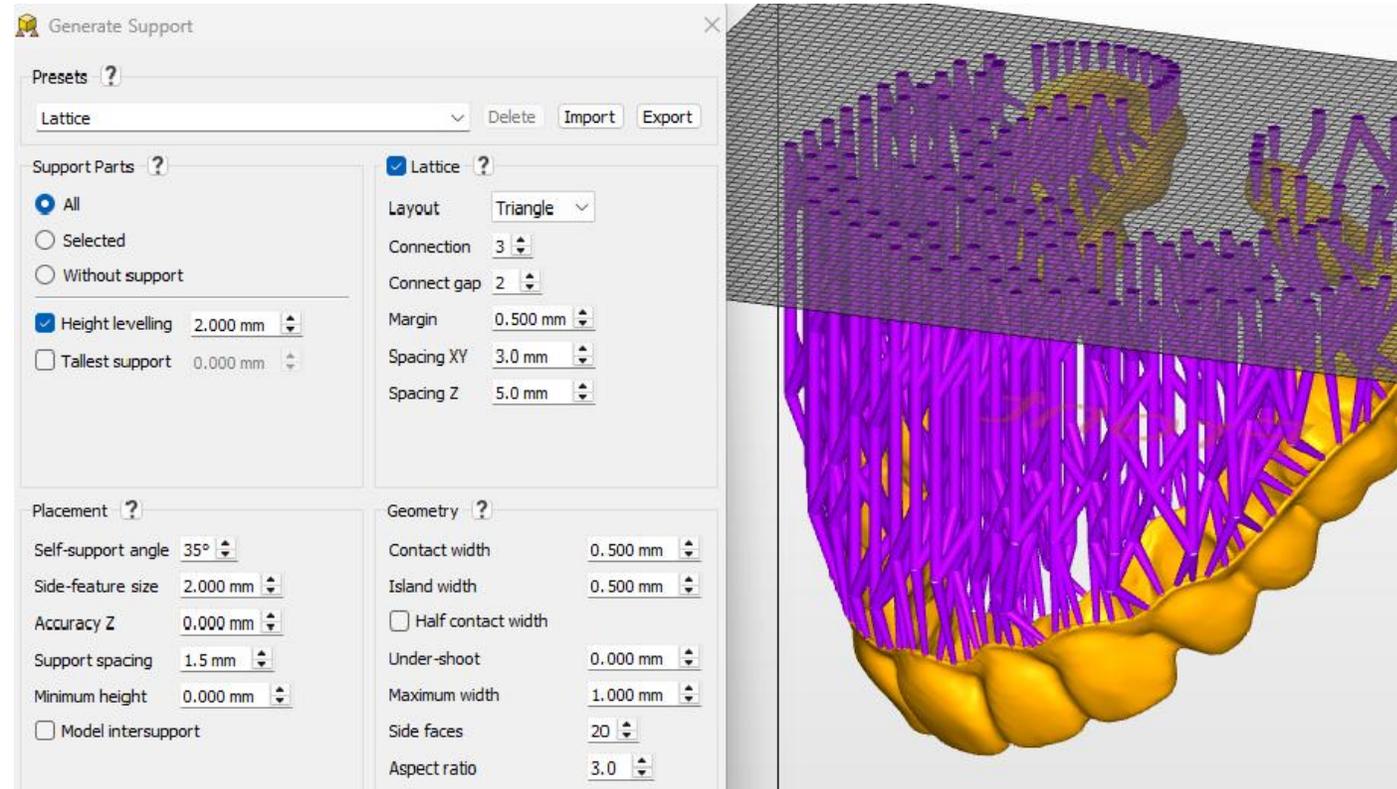


Nesting

dx direct aligner -
supporting & basegrid

- Supports only at the trim-line
- Basegrid
 - Thickness 0,3mm
 - Shadow typ
 - only under supportet objects

dx



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Materials that matter

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