

# 3D Printing



The **VXC3DP Filament Cube** is a modular FDM printing unit containing a 3D printer that can operate entirely as it's own system, or in combination with other Cubes to increase production output.



Integrated with your  
Voxelcare System



Save money



Recyclable  
materials



No dust



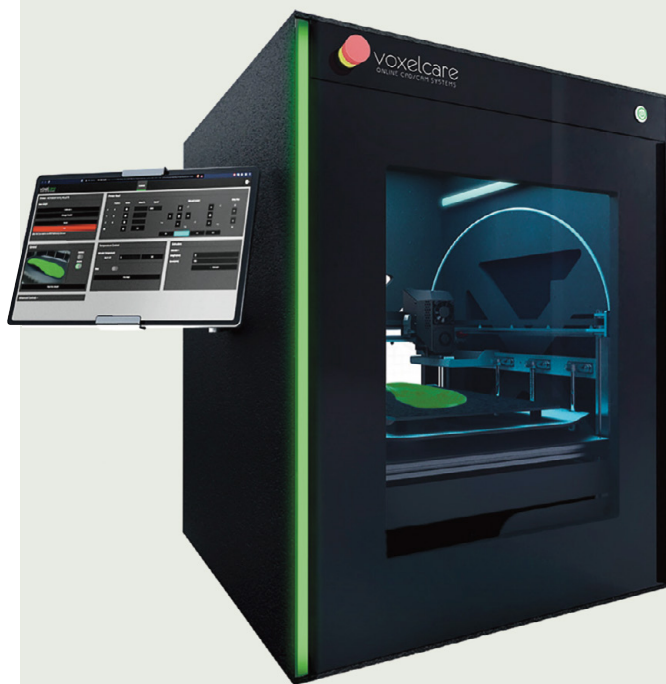
Reduced carbon  
footprint



Quiet



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more information



- High modularity
- Self diagnosis
- Previous knowledge not required
- Produce more in less space
- Filament monitoring
- Different densities by areas and heights
- Dynamic modules with different densities
- Compact and robust
- Easy maintenance
- Recyclable printing materials



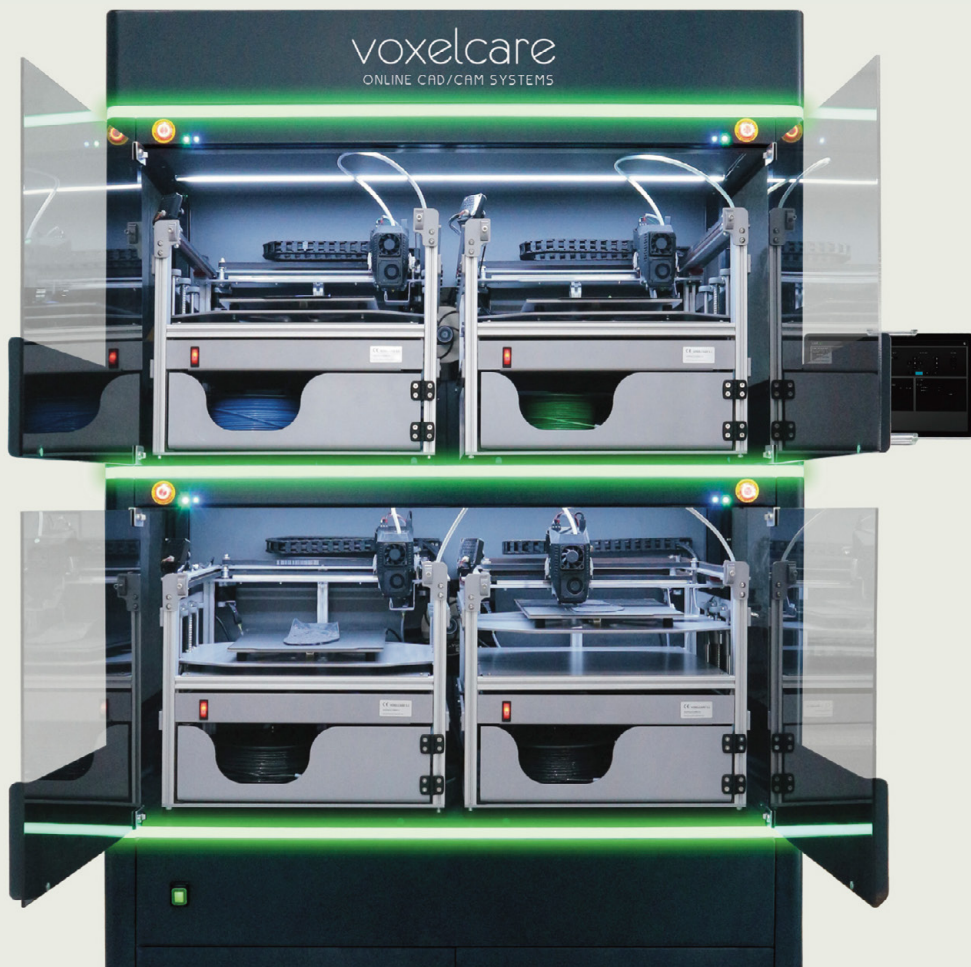
**Print capability**  
Each cube prints 1 insole in approximately 1 hour



**High quality**  
Compact and robust design



**Time lapse camera**  
Each printer has a remotely accessible video camera












## Choose, customize, produce

The VXC3DP Filament Cube brings your customized orthotic designs to life, building multi-density insoles on a print platform that is completely online. Create your own in-house production system as a new Voxelcare customer, or integrate the cube(s) into your webapp as an existing customer.



## Technical specs

 <b>Dimensions</b> 630 x 535 x 690 mm	 <b>Weight</b> 50 kg	 <b>Working area</b> 350 x 250 x 60 mm (per printer)
 <b>Printing time</b> 1 insole per hour (per printer)	 <b>Accuracy</b> 0.1 mm	 <b>Print head</b> 0.6 mm
 <b>OS required</b> Windows 10 OS or a later version	 <b>Material</b> TPU filament	 <b>Power supply</b> 200 - 250 V AC single phase

## Innovative materials

Voxelcare's own VXCTPU filament has been produced to achieve the best results. Available in 1kg rolls in multiple colour options and producing 7-10 pairs per roll.



Anthracite



Blue



Red



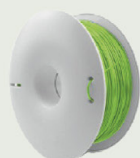
Orange



Yellow



Natural



Green

## 3D Printer Modular Packages



### Single Cube

#### Unit A

1x FDM 3D printer cube with cabinet, foot scanner, and CAD online software

### Double Cube

#### Unit B

2x FDM 3D printer cubes with cabinet, foot scanner, and CAD online software

### Double Cube

#### Unit C

2x FDM 3D printer cubes with cabinet, foot scanner, and CAD online software

### Quad Cube

#### Unit D

4x FDM 3D printer cubes with cabinet, foot scanner, and CAD online software

## 3D Printer Filament



### Anthracite

VXCTPU  
1Kg Ø2,85 95A



### Blue

VXCTPU  
1Kg Ø2,85 95A



### Red

VXCTPU  
1Kg Ø2,85 95A



### Orange

VXCTPU  
1Kg Ø2,85 95A



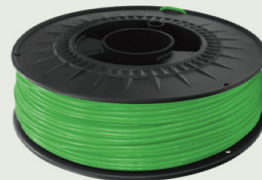
### Yellow

VXCTPU  
1Kg Ø2,85 95A



### Natural

VXCTPU  
1Kg Ø2,85 95A



### Green

VXCTPU  
1Kg Ø2,85 95A



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