




ULTRACRAFT ChairSide


Smart and User-friendly
Your Chairside Assistant


HeyGears was founded in 2015 as an innovation-driven company, devoted to providing digital manufacturing solutions in various industries. The company bases its core competencies in 3D printing, software development, materials, and big-data handling. We have a global presence with teams across North America, Latin America, Europe, Middle East, and Asia Pacific.


HeyGears believes in a product development process rooted deeply into vertical applications, and our vision goes beyond just 3D printing technology. We strive to create vertically integrated solutions through the solid establishment of hardware, software, material, and service platforms, delivering our goal to bring advanced technology into daily life.

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ULTRACRAFT ChairSide

UltraCraft ChairSide, combined with AirWash and AirCure, is a desktop 3D printing solution specifically designed for dental clinics and hospitals to produce customized case-by-case applications. Working with HeyGears Cloud, AirWash, AirCure, and CapsulePrint, ChairSide allows users with minimal experience in 3D printing to easily complete a printing process for multiple dental applications.

01 Compact and Light-weight
Simple and Easy to Use

03 Accurate and Consistent
High-precision Detail Restoration

02 Swift, Efficient, Flexible

04 Faster Final Treatment

05 Wash and Cure
Completed with just a Few Clicks

07 Support for Digitalization

06 Fully Connected Workflow
One-stop Printing Solution

08 Specifications

C O N T

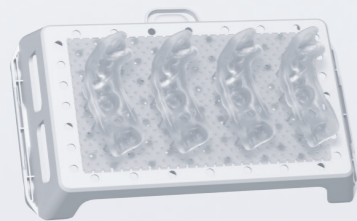
E N T S

01 Compact and Light-weight Simple and Easy to Use

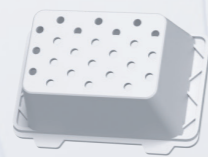
The ChairSide is designed for maximum usability. Users with minimal experience in 3D printing can learn the process for printing dental applications in just 5 minutes.

Disposable Build Platform

- No Physical Contact with the Resin



Big Platform
124.8 x 70.2 mm



Small Platform
50 x 30 mm

- Twist to Remove Printed Parts

Auto-locking, No Manual Operations

Status Light Strip

- Set specific lighting effects based on the working status

Protective Cover

- 99.99% UV blocking rate to reduce light interference for stable printing results

Thermostatic Chamber

- Maintains an optimum state for printing

CapsulePrint

- Integrated Resin Capsule
- Plug-and-Play Design
- Swap Applications in just 3 Seconds



All-in-one Tray

Tray ID

Resin Entrance

Reusable Flim for 10-30 Prints

02 Swift, Efficient, Flexible

ChairSide is designed for custom-fitted, case-by-case printing and meets the chairside requirements for small-batch production across a range of applications.



1 Easily Switch Applications

Swappable CapsulePrint
Disposable, One-time-use Print Platform



2 Trackable Performance

All-in-one Tray ID Chip Tracks:

- First Use Date
- Resin Expiration Date
- Printed Case Amount
- Available Resin



3 Smart and Powerful

AI-powered Printing Strategy
Over-the-Air Updates
Strong Computing Power

6-core CPU+GPU

Force Sensing Technology

Smart Separation Technology

40%
Faster Printing*

*Compared with traditional DLP printers.

03 Accurate and Consistent High-precision Detail Restoration



1 385 nm UV Light Source

Over 2 million micro-mirrors controlled by industrial-grade components guarantee high-quality printed results without deformation.



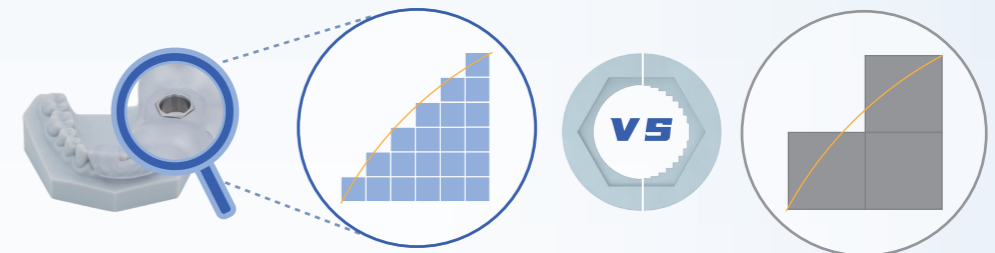
2 Automatic Light Uniformity Calibration



3 Pixel-level Calibration

Algorithm-based correction of pixel pitch reduces the possibility of size and detail distortion.

Anti-aliasing for Improved Surface Quality



ChairSide

Other Printers



04 Faster Final Treatment

H E Y G E A R S








■ Labs ■ Clinics

One Equipment Covering All Chairside Applications



ChairSide

05 Wash and Cure Completed with just a Few Clicks

-  Auto-configured Washing Strategy
-  Atomized Agent Washing Technology
-  One Click High Speed Cleaning & Drying
-  Minimal Noise & No Cross Contamination
-  Over-the-air Updates



ULTRACRAFT AirCure

Big Power Packed into a Small Body





AirCure	
Volume	6 Models
Time	≤10 mins
Machine Dimension	310 x 300 x 245 mm
Weight	6 kg
Curing Method	Water Cure, Air Cure, Agent Cure
Voltage	100–240V AC, 50/60Hz



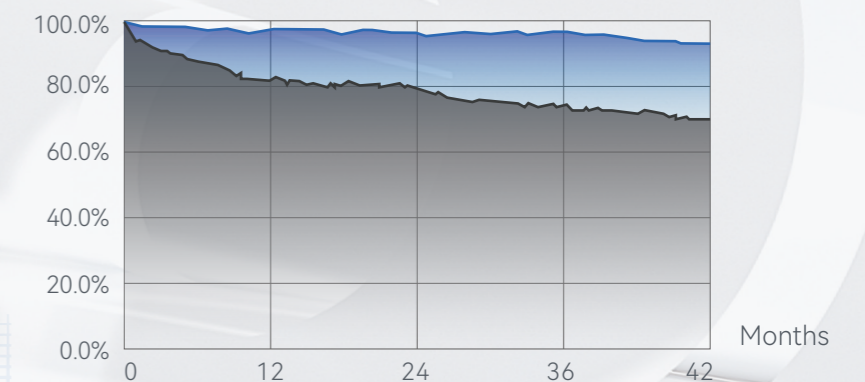
ULTRACRAFT AirWash

Cleaning & Drying with Only One Click

AirWash	
Volume	6 Models
Time	≤10 mins
Agent	95% Ethanol, Isopropanol
Agent Volume	1 L
Machine Dimension	390 x 405 x 350 mm
Weight	13.5 kg
Voltage	100–240V AC, 50/60Hz

-  Auto-configured Curing Strategy
-  Optimal Design of Optical Path
-  One-click to Cure
-  Over-the-air Updates

Light Energy Ratio



— After Compensation
— Before Compensation

Note: Energy degradation due to light source aging will influence curing effects.

06 Fully Connected Workflow One-stop Printing Solution



ChairSide



Compatible Scanner

MEDIT 3shape Dentsply Sirona
iTero PLANMECA
dental wings Carestream DENTAL

Compatible Design Software

3shape exocad



07 Support for Digitalization

Support & Services



Equipment Installation

Online site survey for a customized installation plan, and quick installation guidance. Equipment operation & maintenance training provided upon request.



Equipment Maintenance & Repair

Online maintenance advice & customer follow-up, pre-warning identification, warranty-based equipment returns to the factory for additional troubleshooting and maintenance.



Over-the-air Updates

Online updates to software, firmware, and processes which improve the print quality and speed and enable compatibility with new print materials.



24/7
Online Support



2
Fast Response
Within **2 Hours**



3
Warranty Period
Within **1 Year**

Worldwide Service Outlets

Headquarters: Guangzhou, China

Global Coverage: North America, Latin America, Europe, Middle East, and Asia Pacific

08 Specifications

Build Volume
124.8 x 70.2 x 70 mm
4.91 x 2.76 x 2.76 in

XY Native Pixel
96 μm

Build Precision
 $\pm 37.5 - \pm 48 \mu\text{m}$

XPR Pixel
48 μm

Wavelength
385 nm

Light Source Lifetime
> 30,000 hours

Machine Dimension
(W * D * H)
336 x 528 x 601 mm
13.23 x 20.79 x 23.66 in

Weight
26.5 kg

Touchpad Size
7"

Voltage
100-240V AC, 50/60HZ, 300W