



CHAEWOORA RAUM 3D PRINTER

채우라 라움 3D 프린터 X 3D 채널 사업간판
3D Printer Business Department X 3D Sign

ABOUT CHAEWOORA

Chaewoora is an engineer-founded 3D Printing tech startup.

Starting from a 3D printer development club, we are developing the most user-friendly and secure 3D printing technology.

We are researching and developing 3D Printing technology that can be applied in the interior design field, aiming to produce output materials that can actually be used, not just used as prototypes.

CHAEWOORA INC,

HISTORY

2021

- Chaewoora Corporation Establishment
- GIBO Venture Camp
- Pre-Startup Package

2022

- Youth Startup Academy
- Venture Enterprise Certification
- Establishment of R&D department
- Direct production certification

2023

- Global Entrepreneurship Academy
- Export voucher
- Start-up NEST
- Korea Nara Marketplace
- Wadiz Fuding 2900%

2024

- Seed investment
- Export to Thailand and Japan



OUR SERVICE



3D Printing
Market
-
3D Printing R&D

Interior
Market
-
Creating interior items

Education
Market
-
3D Printer Lecture

3D Printer
Sales

LED
Signboard

Item
Production

3D Printing
Lecture



3D Printing Solution

Delivering RAUM 3D Printer
Solution Direct delivery of
equiment, materials,
programs, and CS for
continuous production



3D Printing Interior Item

Delivery of RAUM 3D Printed
signboards produced directly
3D Printers



3D Printing Lecture

Lectures using RAUM 3D printers,
training kits, and
4th Industrial Revolution Curriculum

RAUM 300 Pro

라움 300 프로

01



SPECIFICATION	Build Volume	290x285x350 (mm)	Extruder	Single Dual gear
	Printer Size	470x490x730 (mm)	Weight	28kg
	Speed	60–150mm/s	Slicer	idea Maker, Cura
	Method	FFF(FDM)	Memory	Micro SD
	Drive Method	Core XY	GUI	3.5in Touch screen
	Nozzle	Single Nozzle	Layer	0.2–0.8 (mm)
	Nozzle diameter 0.4 (mm)		UV Curing	–
	Material diameter 1.75 (mm)		HEPA filter	O
	Material	PLA/ABS/etc	Extension	gcode
	Bed	Flexible Texture Bed	PSU	350w
	Leveling	Auto Leveling	Voltage	DC 24v

RAUM 300 Sign 라움 300 사인

02



SPECIFICATION	Build Volume	290x285x350(mm)	Extruder	Mk8 Extruder x2
Printer Size	470x490x730(mm)	Weight	29kg	
Speed	60–150mm/s	Slicer	idea Maker, RAUM maker	
Method	FFF(FDM)	Memory	Micro SD	
Drive Method	Core XY	GUI	3.5in Touch screen	
Nozzle	2in1 Nozzle	Layer	0.2–0.8(mm)	
Nozzle diameter	0.6(mm)	UV Curing	O	
Material diameter	1.75(mm)	HEPA filter	O	
Material	PLA/PDS/ABS/etc	Extension	gcode	
Bed	Glass Bed	PSU	350w	
Leveling	Auto Leveling	Voltage	DC 24v	

RAUM 500 Pro

라움 500 프로

03

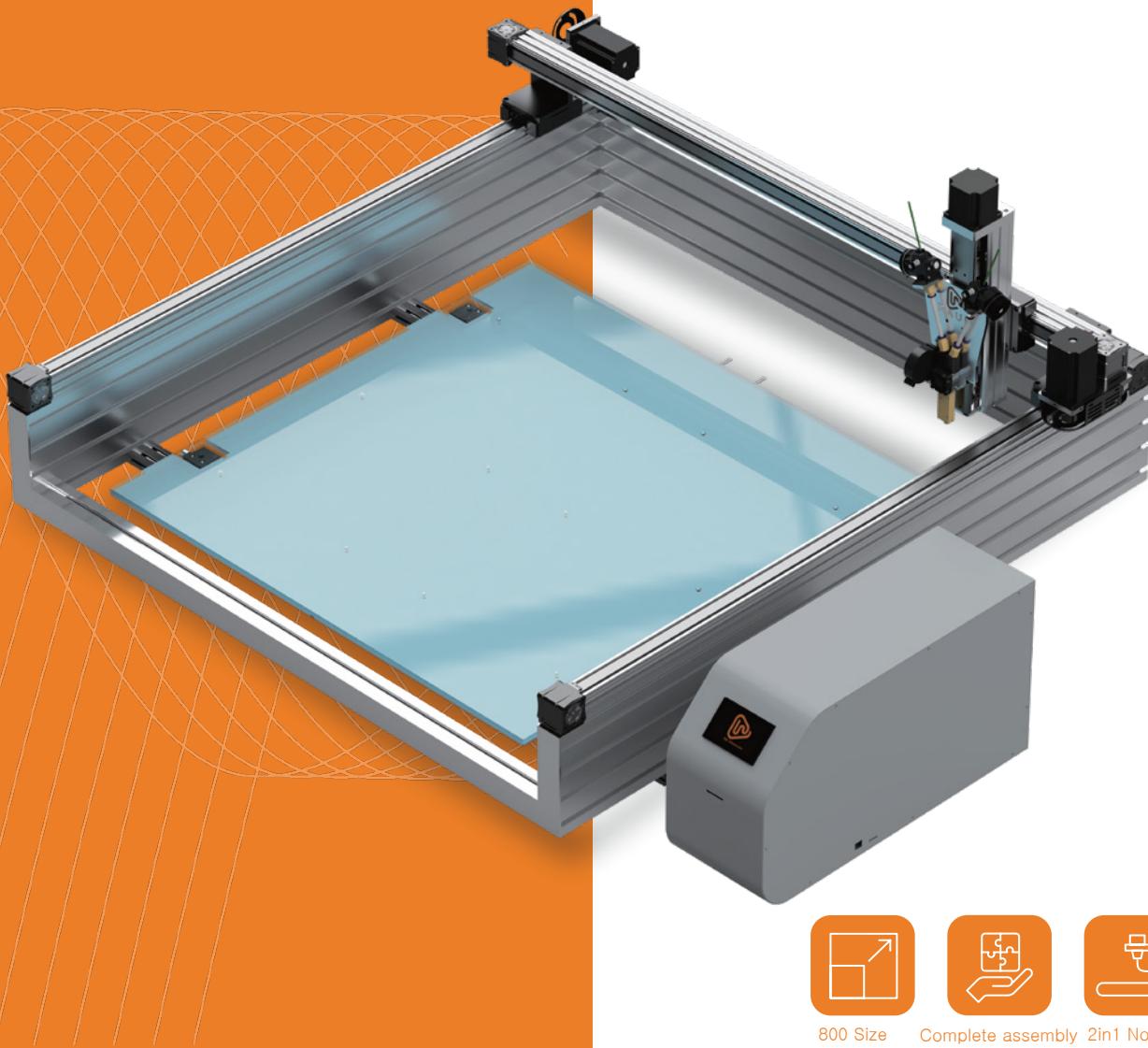


SPECIFICATION

Build Volume	500x500x400	Extruder	Mk8 Extruder x2
Printer Size	730x730x1000	Weight	80kg
Speed	60-150mm/s	Slicer	idea Maker, Cura
Method	FFF(FDM)	Memory	USB
Drive Method	Core XY	GUI	3.5in Touch screen
Nozzle	Single Nozzle	Layer	0.2-0.8
Nozzle diameter	0.6(mm)	UV Curing	-
Material diameter	1.75(mm)	HEPA filter	O
Material	PLA/ABS/PDS/PETG/etc	Extension	Gcode
Bed	Aluminum Bed	PSU	600w
Leveling	Auto Leveling	Voltage	DC 24v

RAUM 800 Sign 라움 800 사인

04



800 Size



Complete assembly



2in1 Nozzle

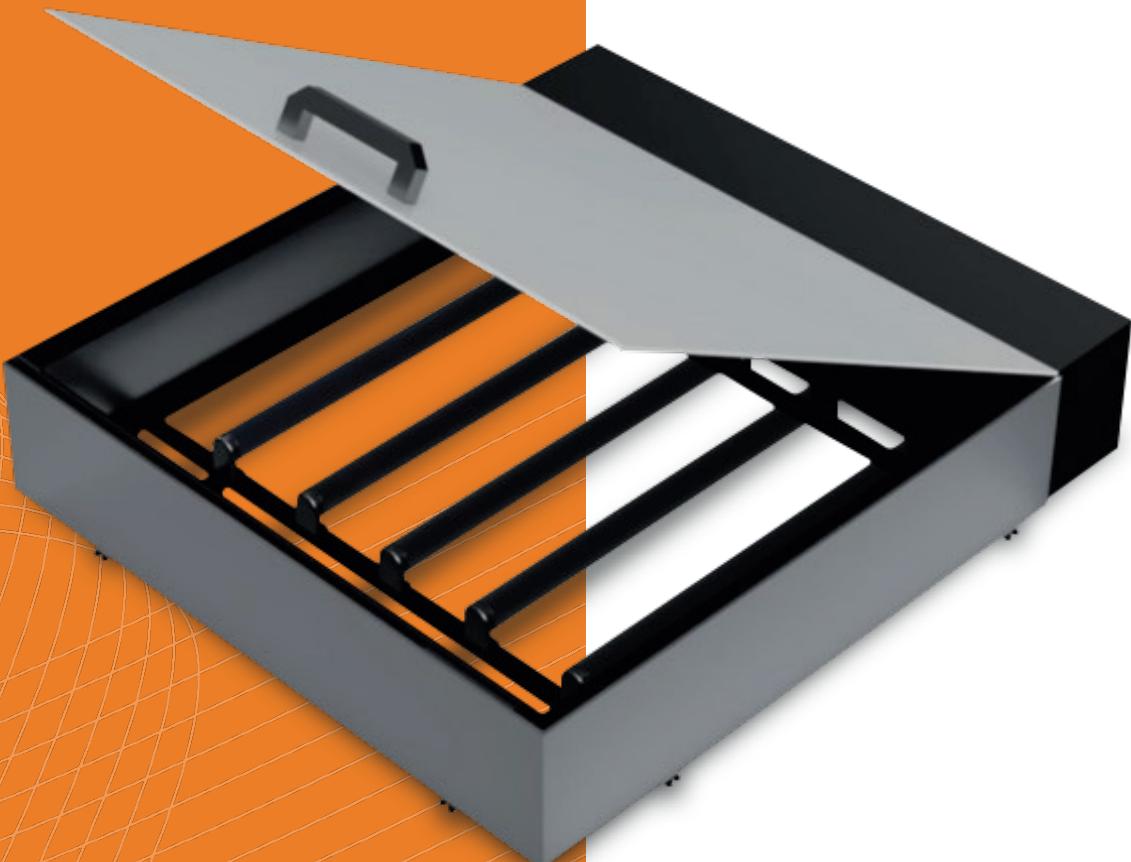
SPECIFICATION

Build Volume	800x800x80 (mm)	Extruder	Mk8 Extruder x2
Printer Size	1230x1150x700(mm)	Weight	70kg
Speed	60–150mm/s	Slicer	idea Maker, RAUM maker
Method	FFF(FDM)	Memory	Micro SD
Drive Method	Core XYZ	GUI	3.5in Touch screen
Nozzle	2in1 Nozzle	Layer	0.2–0.8(mm)
Nozzle diameter	0.8(mm)	UV Curing	–
Material diameter	1.75(mm)	HEPA filter	–
Material	PLA/PDS/etc	Extension	gcode
Bed	Glass Bed	PSU	1200w
Leveling	Auto Leveling	Voltage	DC 24v

RAUM UV

라움 유브이

05



-
-



800 Size



Complete assembly



UV Fuction

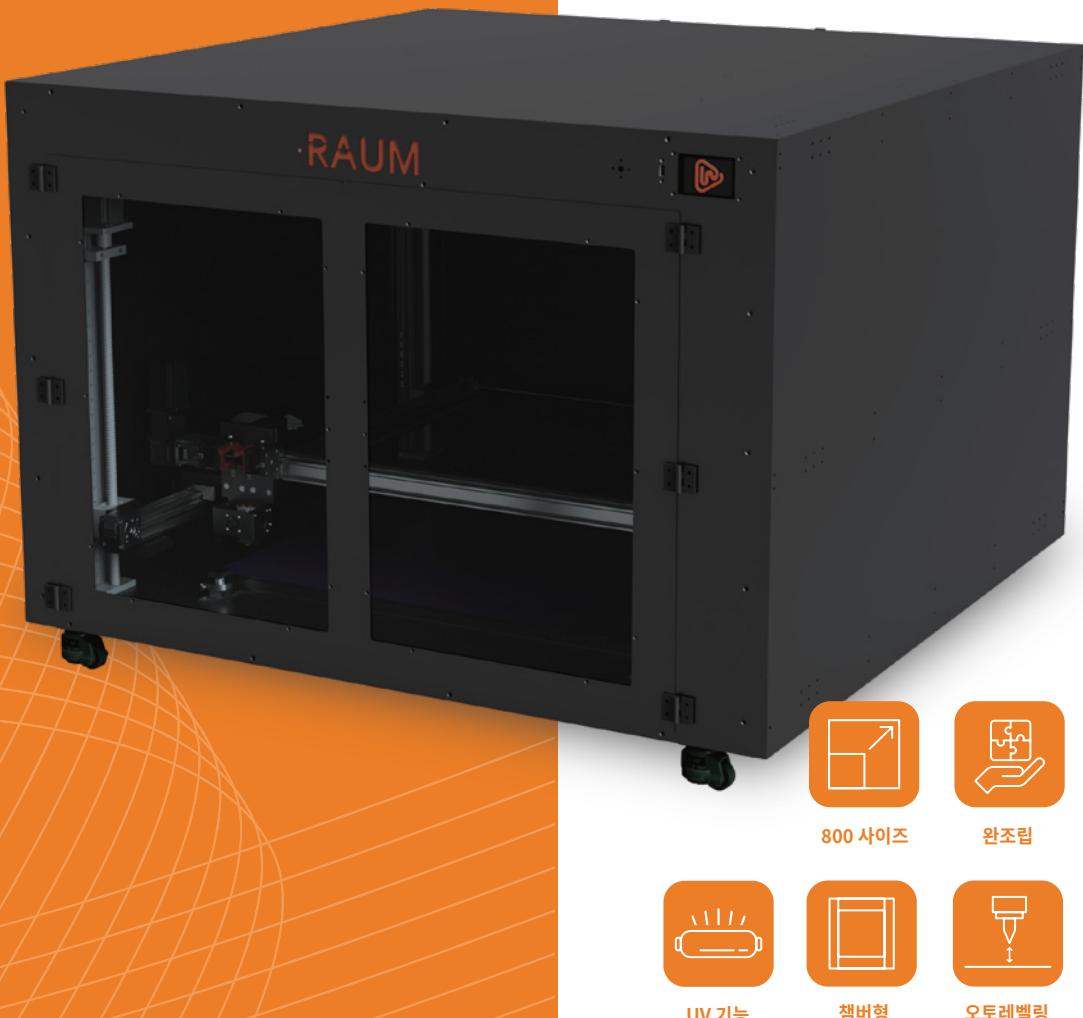
SPECIFICATION

UV Volume	800x800x60(mm)	Controller	Timer
Product Size	900x955x230(mm)	Power	220v
Curing Speed(m)	60~90(White) 120(Color)	FAN	220v / AC 25w x2
Wavelength	UV (365nm)	PSU	350w

RAUM 800 Sign Plus 라움 800 사인 플러스

- 2in1노즐 챔버형 모델로 2가지 색 출력이 가능하고 UV 경화모듈, 헤파필터가 장착되어 있습니다.
- 사인제작, 조형물, 대형부품, 상업 분야에 적합한 모델입니다.

06



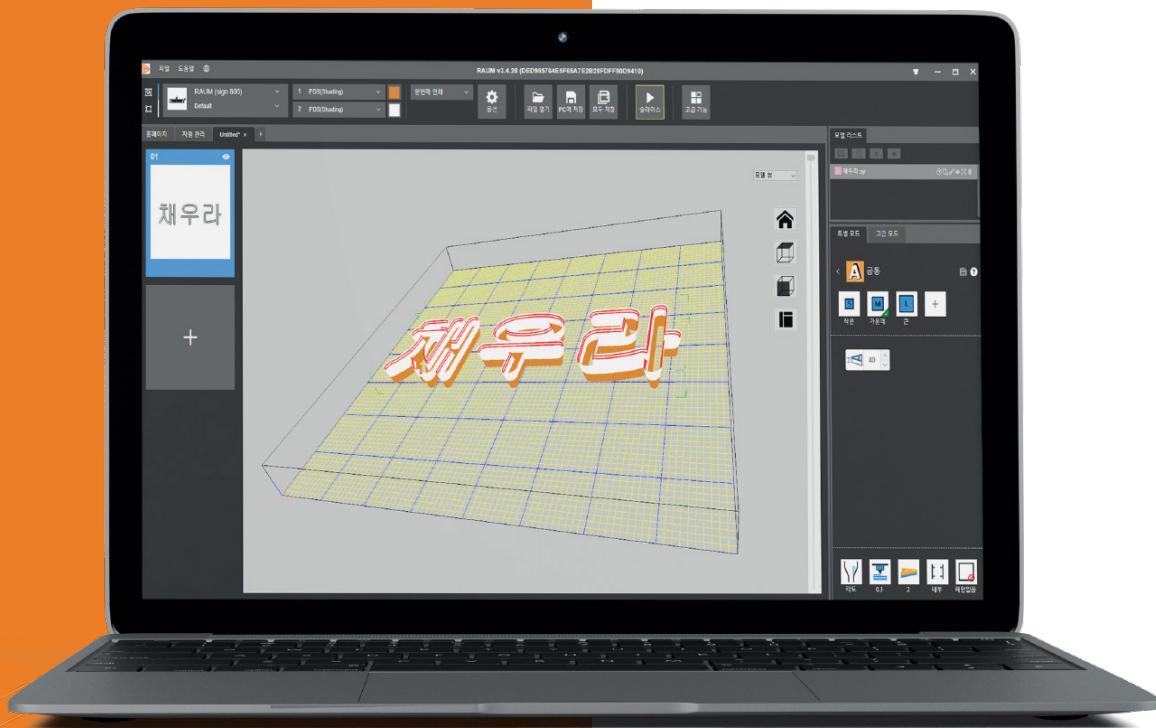
SPECIFICATION

Build Volume	800x800x300(mm)	Extruder	Mk8 Extruder x2
Printer Size	1300x1200x910mm	Weight	78kg
Speed	60–150mm/s	Slicer	idea Maker, RAUM maker
Method	FFF(FDM)	Memory	Micro SD
Drive Method	Core XY	GUI	3.5in Touch screen
Nozzle	2in1 Nozzle	Layer	0.2–0.8(mm)
Nozzle diameter	0.8(mm)	UV Curing	O
Material diameter	1.75(mm)	HEPA filter	O
Material	PLA/PDS/ABS/etc	Extension	gcode
Bed	Glass Bed	PSU	1200w
Leveling	Auto Leveling	Voltage	DC 24v

RAUM Maker 라움메이커

07

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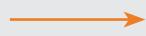


SW dedicated to making signboards

- Create 3D printing files with automatic modeling program typed text, svg logo files
- The RAUM model selection alone sets the most ideal output value.



2D svg file



Signboard Automatic 3D Modeling

Powerful compatibility & ease use

Easy to create with simple icon selection

Illustration & Corel Production Design File

Compatible / Program Self Text Input Phrases

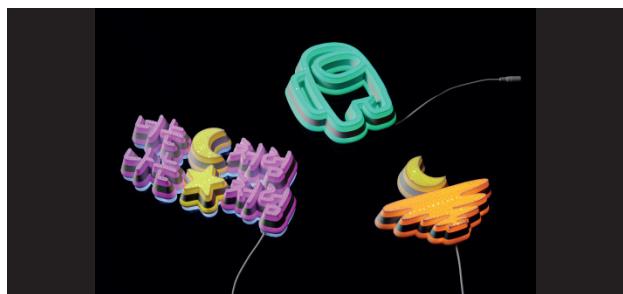
Can be entered CHAEWORA Official YouTube Posts Video on How to Use Slicers

3D Portfolio

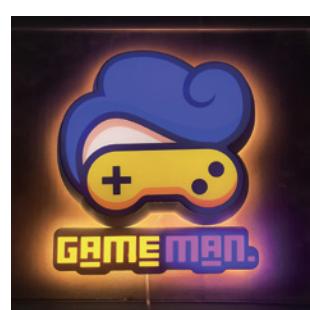
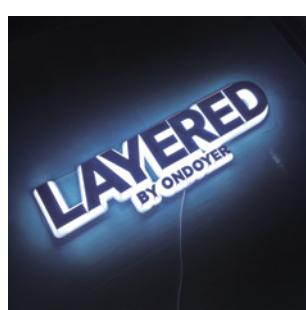
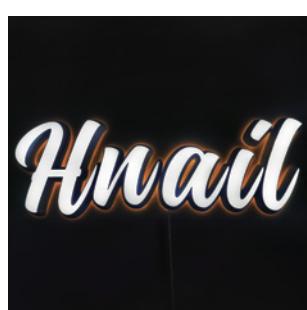
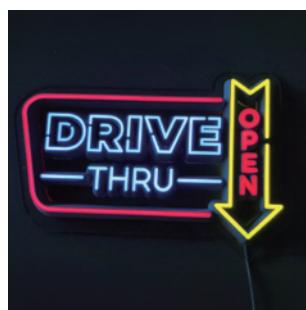
3D 포트폴리오

08

3D Printing



3D Channel

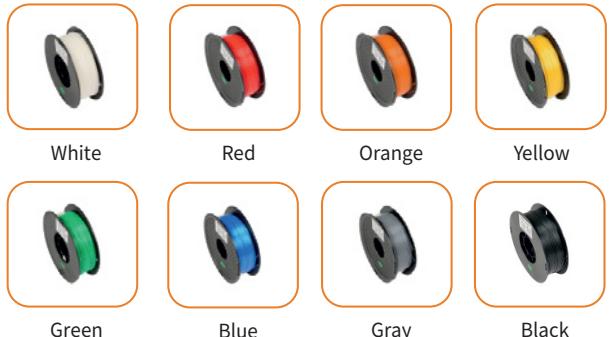


RAUM Material Filament

09

R-PLA Filament

Eco-friendly materials made from raw materials extracted from corn starch / General output, Prototyping



R-SIGN Filament

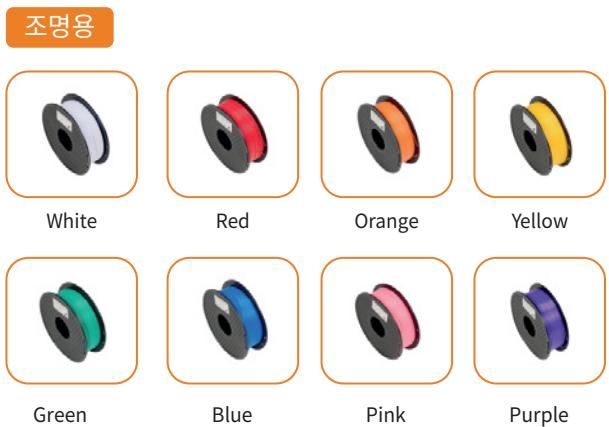
Development materials that are strong and have good elasticity and can be used in outdoor environments. Used for molds, signboards, and general output purposes

비조명용



White

Black



RAUM Material LED / UV

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LED Strap

12v LED for Signboard / Letters, available for curve operations



UV Acrylic

Liquid acrylic used in sign making / Material needed to make front LED light emitting part



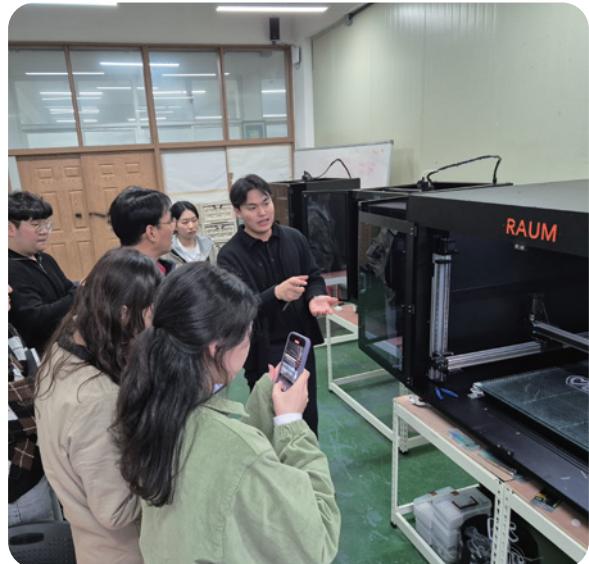
Sales Channel

판매 채널



B2B (Company)

Signboards, sculptures, parts, and prototype equipment
Delivery, SW provided



B2G (Nara Market)

Schools, institutions, military units
Direct delivery of equipment, signage



Exhibition

Participate in more than 20 exhibitions,
including machinery, signboards, 3D
printing, etc



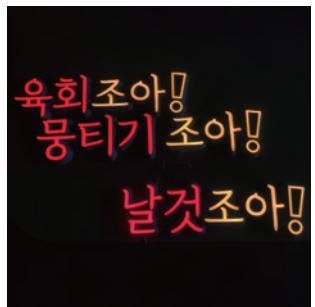
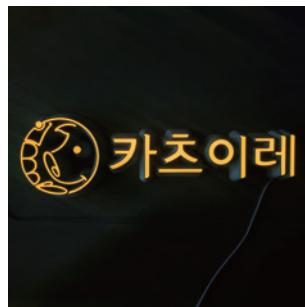
B2C (Customer)

Online sales of signboards, 3D printers
and materials such as Naver, Rakuten,
etc

네 가지 타입 종류 별

3D LED Sign Making Case

A type



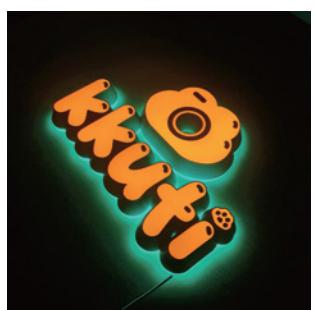
B type



C type



D type



Partnership 파트너쉽

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Partner

CHAEWOORA is a startup MOU with government agencies and industry-academic institutions. As a childcare company of the Seoul Creative Economy Innovation Center and Small and Medium Venture Business Corporation, it continues to carry out government projects and research and development



Contact Us CHAEWOORA

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Tel

+82 10-4757-9516

Mail

contact@chaewoora.com

Homepage

www.chaewoora.com

Location

Samsong Techno Valley A429, 140, Tongil-ro,
Deogyang-gu, Goyang-si, Gyeonggi-do,
Republic of Korea





3D Printer | Signboard | Education | Agency

Samsong Techno Valley A429, 140, Tongil-ro, Deogyang-gu, Goyang-si,
Gyeonggi-do, Republic of Korea

Tel : jskim@chaewoora.com / contact@chaewoora.com
www.chaewoora.com



Homepage



Store



Cafe



Youtube