



CHAEWOORA RAUM 3D PRINTER

채우라 라움 3D 프린터 X 3D 채널 사인간판
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 userfriendly 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 equipment, 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

- It is a chamber-type model that ensures stable printing and comes equipped with a HEPA filter.
- This model is suitable for education, parts production, and hobby applications.



Complete assembly



Low noise



Touch screen



Filament Sensor



Chamver



Auto Leveling



HEPA Filter

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

- It is a 2-in-1 nozzle chamber-type model capable of dual-color printing, equipped with a UV curing module and a HEPA filter.
- This model is suitable for education, parts production, hobbies, and interior signage applications.

02



SPECIFICATION

Build Volume	290x285x350 (mm)	Extruder	Mk8 Extruder x2
Printer Size	470x490x730 (mm)	Weight	29kg
Speed	60-150mm/s	Slicer	idea Maker, Cura
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



Complete assembly



Low noise



Touch screen



Filament Sensor



Chamfer



Auto Leveling



HEPA Filter

SPECIFICATION

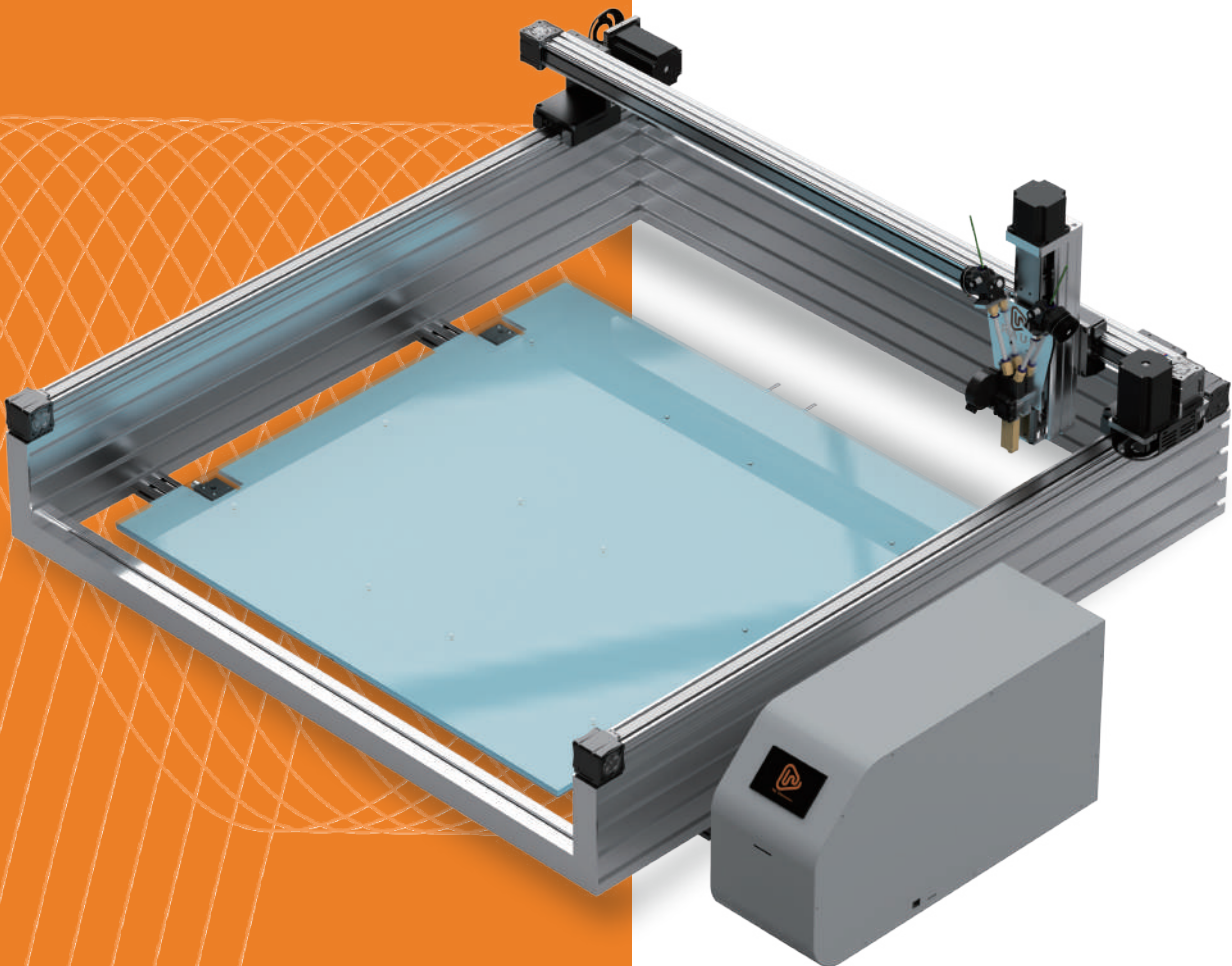
Build Volume	500x500x400	Extruder	Mk8 Extruder x2
Printer Size	730x730x990	Weight	80kg
Speed	60-150mm/s	Slicer	idea Maker, Cura
Method	FFF(FDM)	Memory	USB
Drive Method	Core XY	GUI	4.2in Touch screen
Nozzle	Single Nozzle	Layer	0.08-0.8 (mm)
Nozzle diameter	0.6(mm)	UV Curing	-
Material diameter	1.75 (mm)	HEPA filter	O
Material	PLA/ABS/PDS/PETG/etc	Extension	gcode
Bed	Flexible Texture Bed	PSU	600w
Leveling	Auto Leveling	Voltage	DC 24v

RAUM 800 Sign

라움 800 사인

04

- It is an open-type 2-in-1 nozzle model capable of dual-color and large-scale printing.
- This model is ideal for signage production, large parts manufacturing, and commercial applications.



800 Size



Complete assembly



2in1 Nozzle

SPECIFICATION

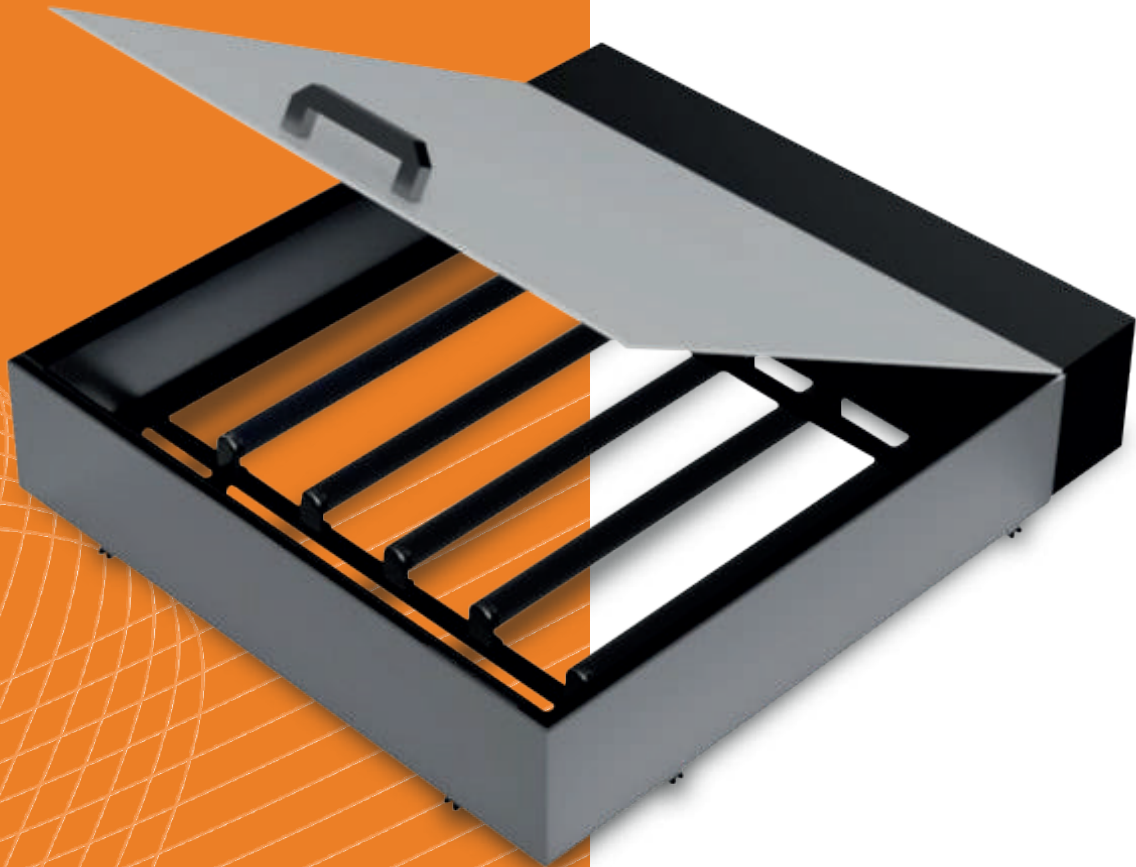
Build Volume	800x800x80	Extruder	Mk8 Extruder x2
Printer Size	1230x1150x700	Weight	70kg
Speed	60-150mm/s	Slicer	idea Maker, RAUM maker
Method	FFF(FDM)	Memory	Micro SD
Drive Method	Core XYZ	GUI	4.3in Touch screen
Nozzle	2in1 Nozzle	Layer	0.2-0.8 (mm)
Nozzle diameter	0.8 (mm)	UV Curing	-
Material diameter	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

- The RAUM UV is a dedicated curing unit for the RAUM 800 Sign model with UV functionality.
- It is a set model designed for utilizing the UV curing function.



800 Size Complete assembly UV Function

SPECIFICATION

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

RAUM 800 Sign Plus

라움 800 사인 플러스

- It is a chamber-type 2-in-1 nozzle model capable of dual-color printing, equipped with a UV curing module and a HEPA filter.
- This model is suitable for signage production, sculptures, large parts manufacturing, and commercial applications.

06



800 Size Complete assembly 2in1 Nozzle



UV Function



Chamver



Auto Leveling



HEPA Filter

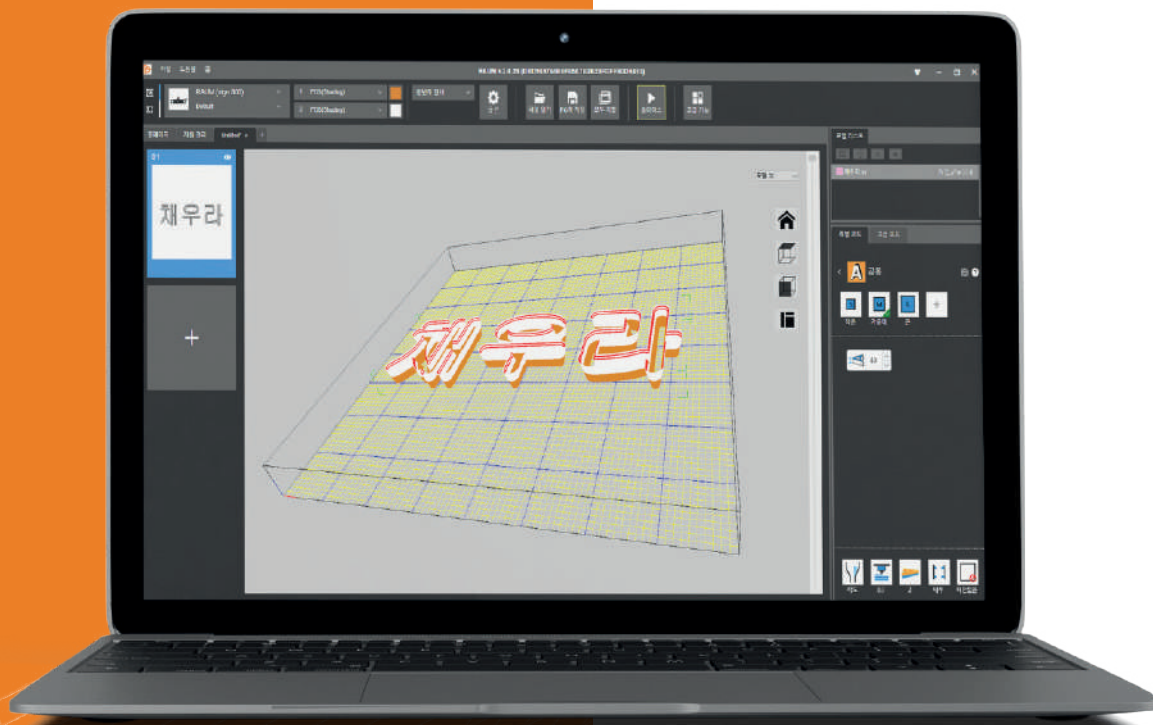
SPECIFICATION

Build Volume	800x800x300	Extruder	Mk8 Extruder x2
Printer Size	1300x1200x910	Weight	160kg
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
Nozzle diameter	0.8	UV Curing	O
Material diameter	1.75	HEPA filter	O
Material	PLA/PDS/ABS/etc	Extension	Gcode
Bed	Glass Bed	PSU	1200w
Leveling	Auto Leveling	Voltage	DC 24v

RAUM Maker 라움메이커

- With just a few clicks, anyone can easily and conveniently create 3D printing files.
- This is Chaewoora exclusive software for signage production.

07



SW dedicated to making signboards

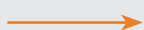
- Create 3D printing files with automatic modeling program typed text, svg logo files
- The RAUM model selection alone sets the most ideal output value.

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 CHAEWOORA Official YouTube
Posts Video on How to Use Slicers



2D svg file



Signboard Automatic 3D Modeling

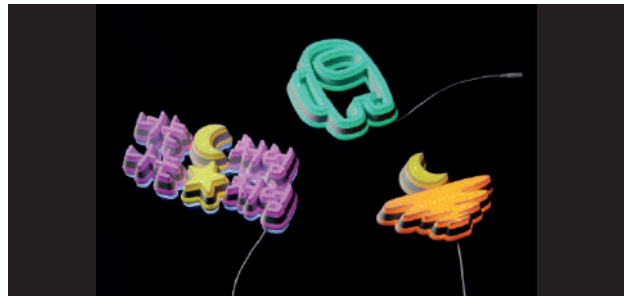
3D Portfolio

3D PORTFOLIO

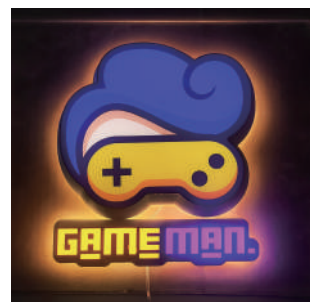
- Both general prints and signage prints can be quickly produced according to your desired design, offering exceptional productivity.
- These are products printed with the RAUM 3D printer.

08

3D Printing



3D Channel



RAUM Material FILAMENT

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

Non-lighting



White

Black

09



White

Red

Orange

Yellow

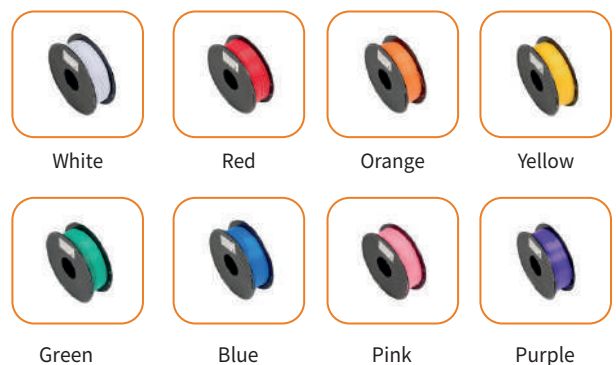
Green

Blue

Gray

Black

lighting



White

Red

Orange

Yellow

Green

Blue

Pink

Purple

RAUM Material LED / UV

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

10



Cool White

Natural White

Warm White

Light Pink

Hot Pink

Purple

Red

Yellow

Lemon Yellow

Green

Ice Blue

Blue



LED Strap



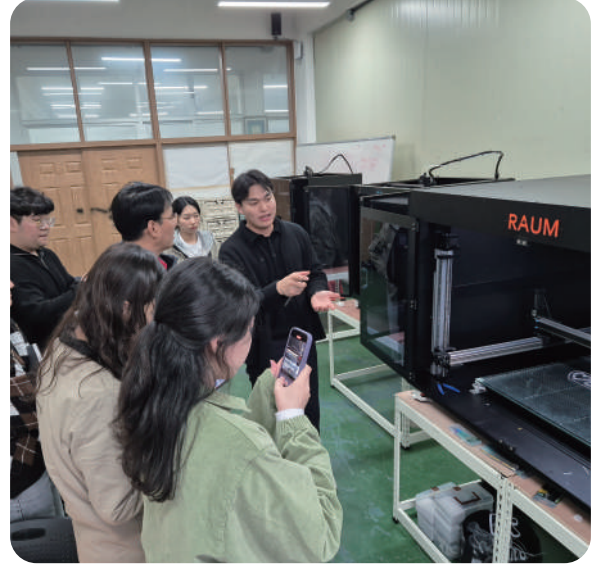
UV Acrylic

Sales Channel

A SALES CHANNEL

**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

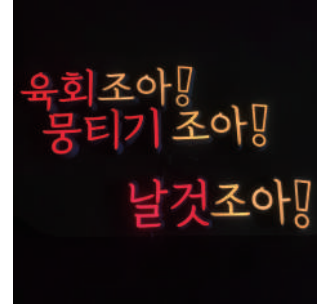
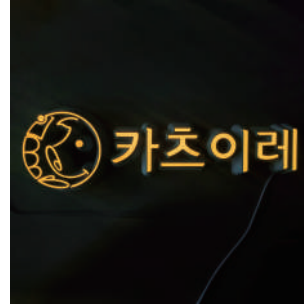
**B2C (Customer)**

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

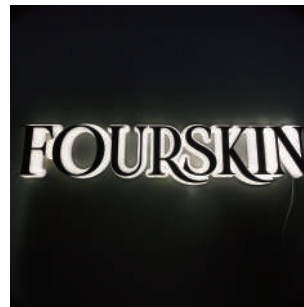
Four types of categories

3D LED SIGN MAKING CASE

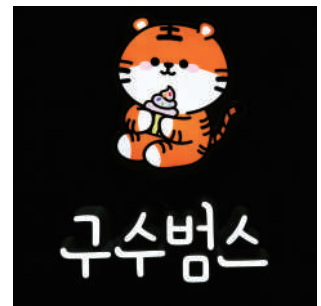
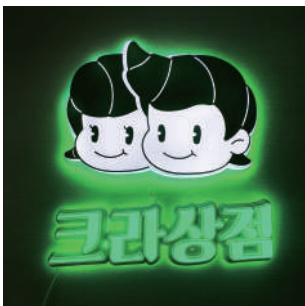
A type



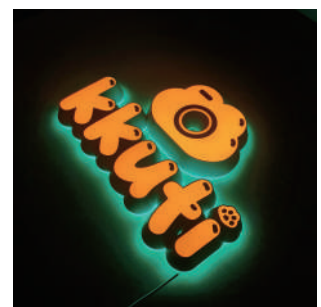
B type



C type



D type



Partnership

PARTNERSHIP

Partner

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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

 중소벤처기업부 Ministry of SMEs and Startups	 창업진흥원 KOREA START UP	 KOSME 중소벤처기업진흥공단	 고양특례시	 KTR 한국과학기술원
 한국폴리텍대학	 한양대학교 HANYANG UNIVERSITY	 DUT 두원공과대학교	 나라장터 국가종합전자조달	 조달청
 간판다이렉트	 MISO	 WOOUPS	 LUGO LABS	 FAIR PRECISION 화인프리시온

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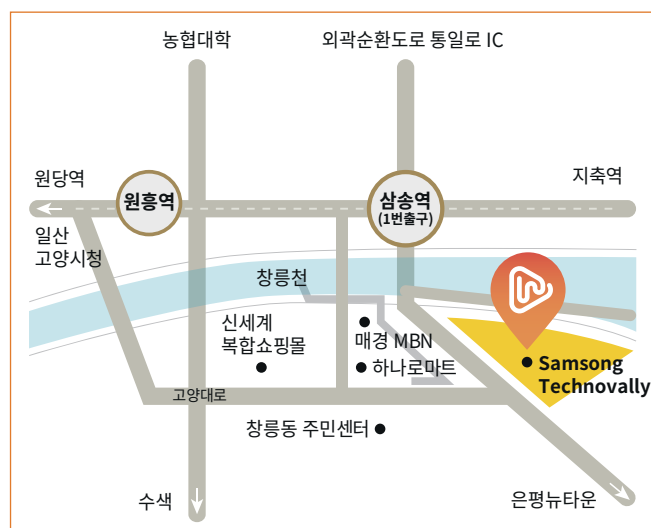
contact@chaewoora.com

Homepage

www.chaewoora.com

Location

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





3D Printer | Signboard | Education | Agency

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Homepage



Store



Cafe



Youtube