Craft Health

Your Health.
Simply Crafted.

3D Printing Technology for Pharmaceuticals & Nutraceuticals

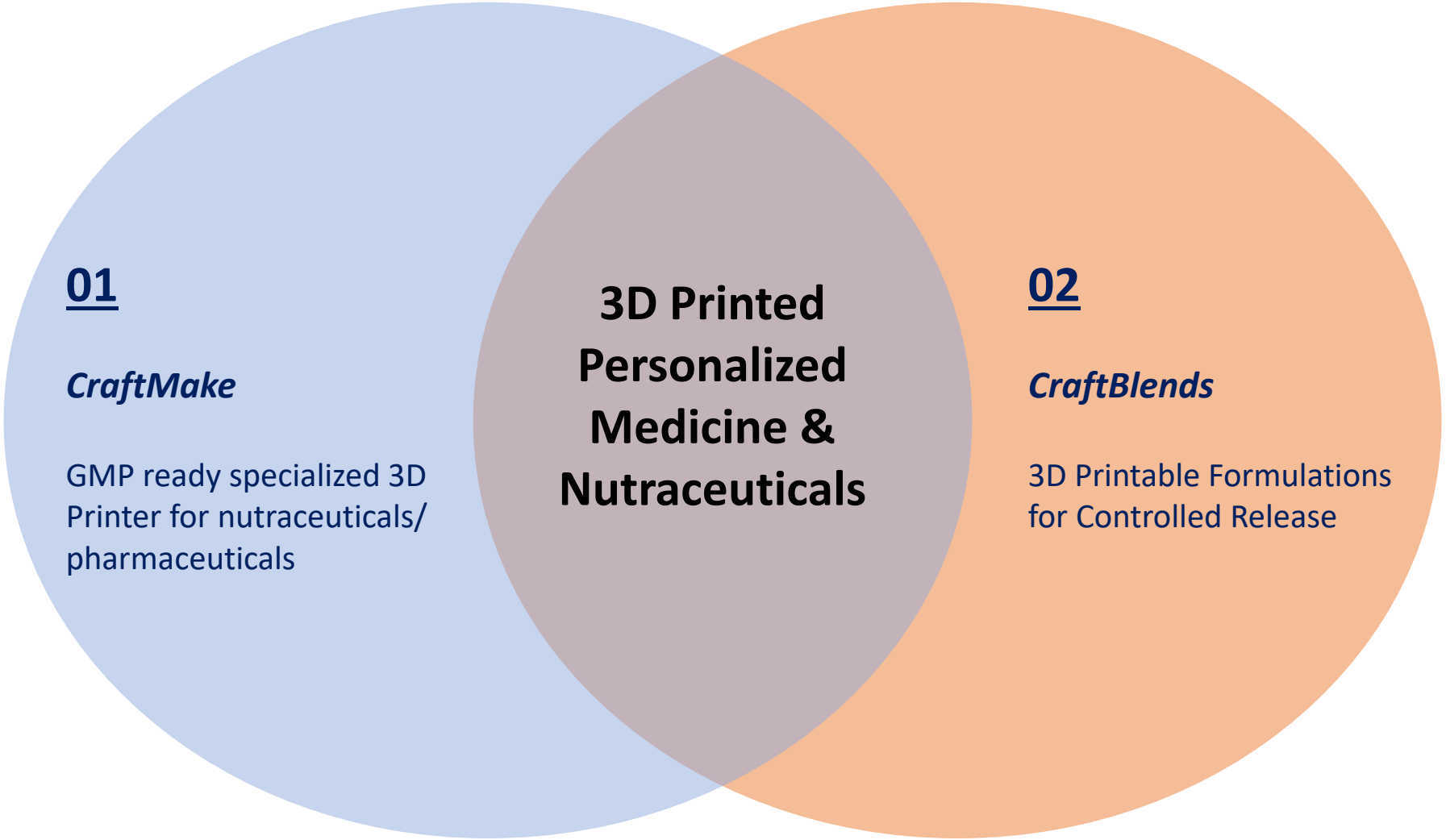
Craft Health

Craft Health is a healthcare company, leveraging 3D printing technologies to simplify the process of pill taking for patients & consumers

- Privately held company
- Research & Developmental stage
- Founded in 2019
- Headquartered in Singapore
- Patent protected technologies in 3D printing of nutraceuticals and pharmaceuticals

Our Technology to reduce the number of pills

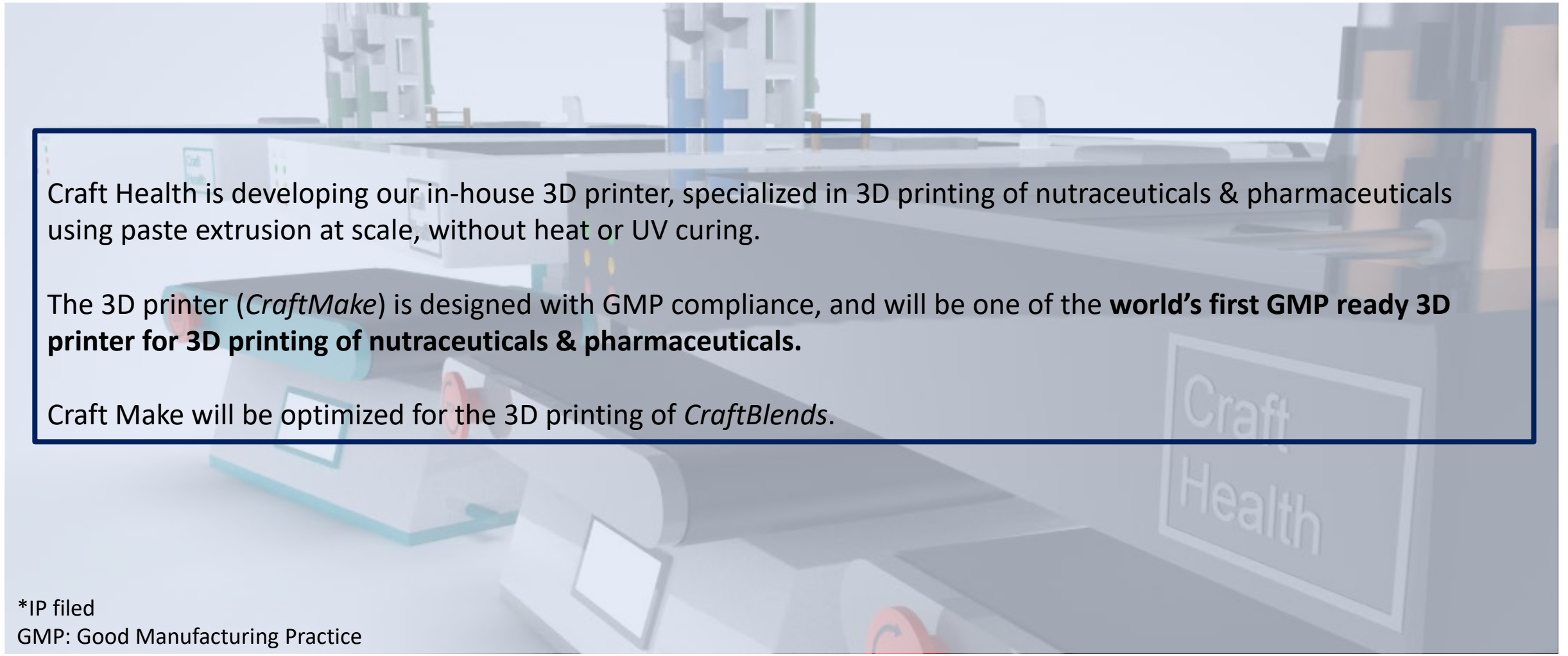
Craft Health



01 Craft Make

Specialized GMP compliant 3D Printer for Nutraceuticals/Pharmaceuticals

Craft Health



Craft Health is developing our in-house 3D printer, specialized in 3D printing of nutraceuticals & pharmaceuticals using paste extrusion at scale, without heat or UV curing.

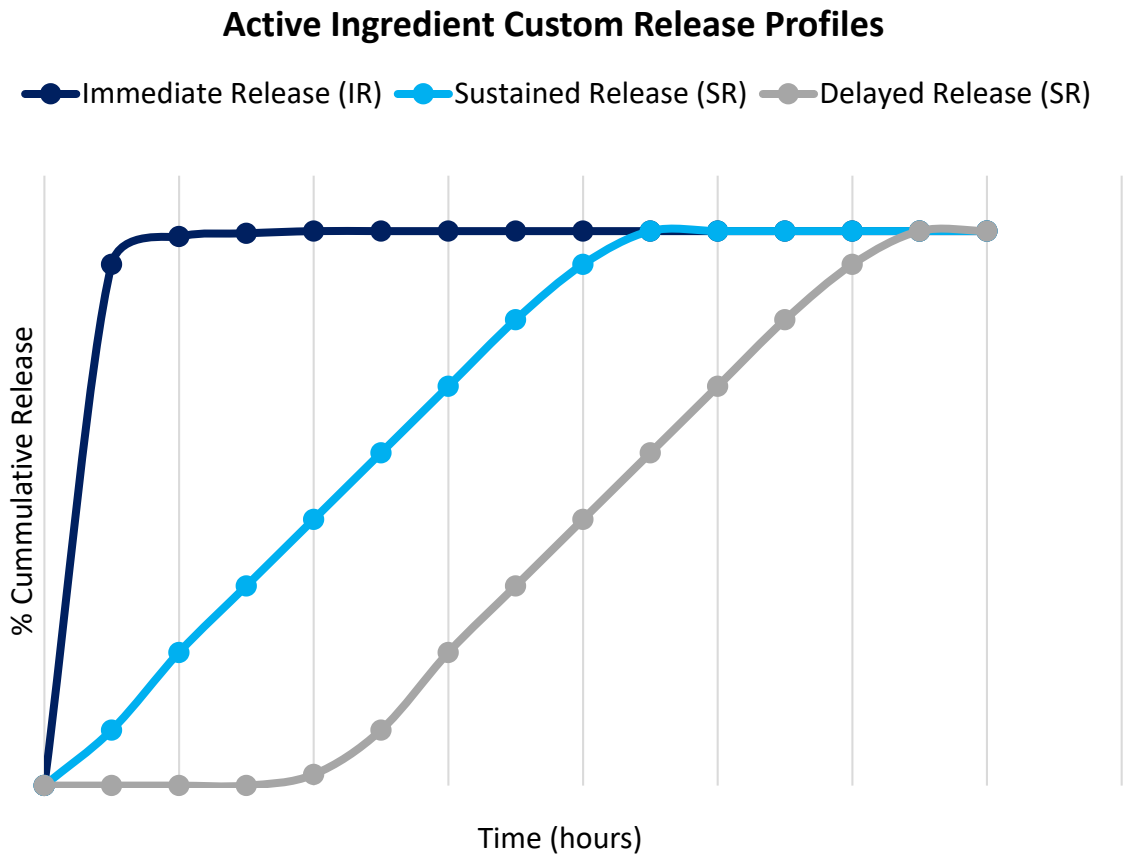
The 3D printer (*CraftMake*) is designed with GMP compliance, and will be one of the **world's first GMP ready 3D printer for 3D printing of nutraceuticals & pharmaceuticals.**

Craft Make will be optimized for the 3D printing of *CraftBlends*.

*IP filed
GMP: Good Manufacturing Practice

02 Craft Blends

3D Printable Formulations for Controlled Release



- *CraftBlends* is a proprietary formulation database of comprising of formulations for various controlled release, tested in accordance to **USP standards.**
- We are able to achieve a **high loading of 40-80% API in our formulations.**
- These formulations form a master template where the active pharmaceutical product (API) is added, and its desired release profile tested.
- *CraftBlends* is a paste, and has its physical parameters optimized for use in *CraftMake*.

USP: United States Pharmacopoeia

How it works

1

- Instructions for each API and its controlled release profile is sent from nutraceutical/ pharmaceutical partner.

2

- The API is added to our controlled release formulation.
- Our formulations consist of FDA approved excipients.

3

- The paste is added to *CraftMake* and the first layer is printed.

4

- The 3DP process does not include heat or UV curing, and is performed at room temperature and pressure.
- Different combinations and geometries may be 3D printed.

Applications

Craft Health

We supply the technology and hardware of 3D printing for nutraceuticals and pharmaceuticals.
Providing a *low volume, high mix* approach to:

Personalized Nutrition

- New product development
- Rapid testing of new formulations for market acceptance
- Combination products
- Taste masking

Clinical Trials

- Rapid prototyping of different formulations of pharmaceuticals for clinical trials
- Decentralized production in adaptive clinical trials, with reduced over-capacity

Orphan Drugs & Personalized Medicines

- Personalized medicine for niche patient populations, which may not be economically feasible for large scale manufacture

Use case:

A 3D Printed Vitamin B & Caffeine tablet

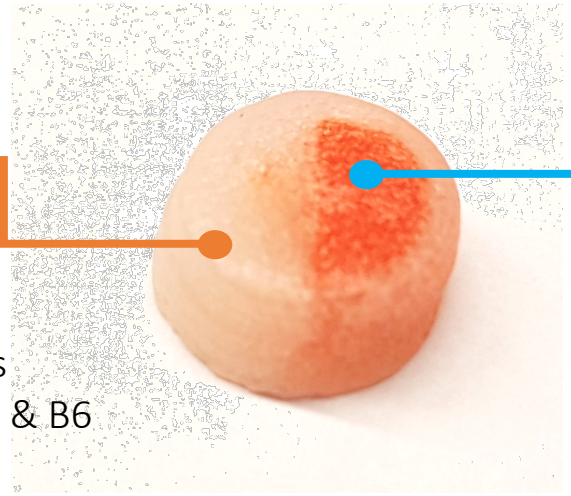
Our Platform

A sample two material 3D printed pill

Craft Health

Vitamin B

- Immediate Release formulation
- Active ingredients release within 30 minutes
- For immediate absorption of Vitamin B1, B3 & B6



Caffeine

- Sustained Release formulation
- Active ingredients release over 4 hours
- Caffeine effects over 4 hours, without caffeine “high”

Project Scope

Craft Health

We are looking for partners to use our technology platform to bring new products to market

We are open to collaboration, co-development and licensing opportunities

Craft Health

Your Health. Simply Crafted.

Contact us: info@crafthealth.me
Visit us: www.crafthealth.me