# HYPERSPACE

## Covestro CMF Design Trends 2025+ Edition

## Healthcare

At Covestro, we co-create Color Material Finish (CMF) with designers, blending aesthetics and functionality into material-based experiences that can surprise and delight consumers. Collaboration is at the heart of our business model – we value our partners and work closely with them to develop customized, finely-tuned solutions. We add value through aesthetic, functional and circular design.

We have a team of in-house designers and colorists who will help you better engage consumers through world class CMF design by leveraging the optical, tactile, haptic, mechanical, aesthetic and functional properties of polycarbonate.

We're ready to help you make your designs a reality, from concept to mass-production.

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**Global Color & Design (CMF)** **CMF-Design@covestro.com**

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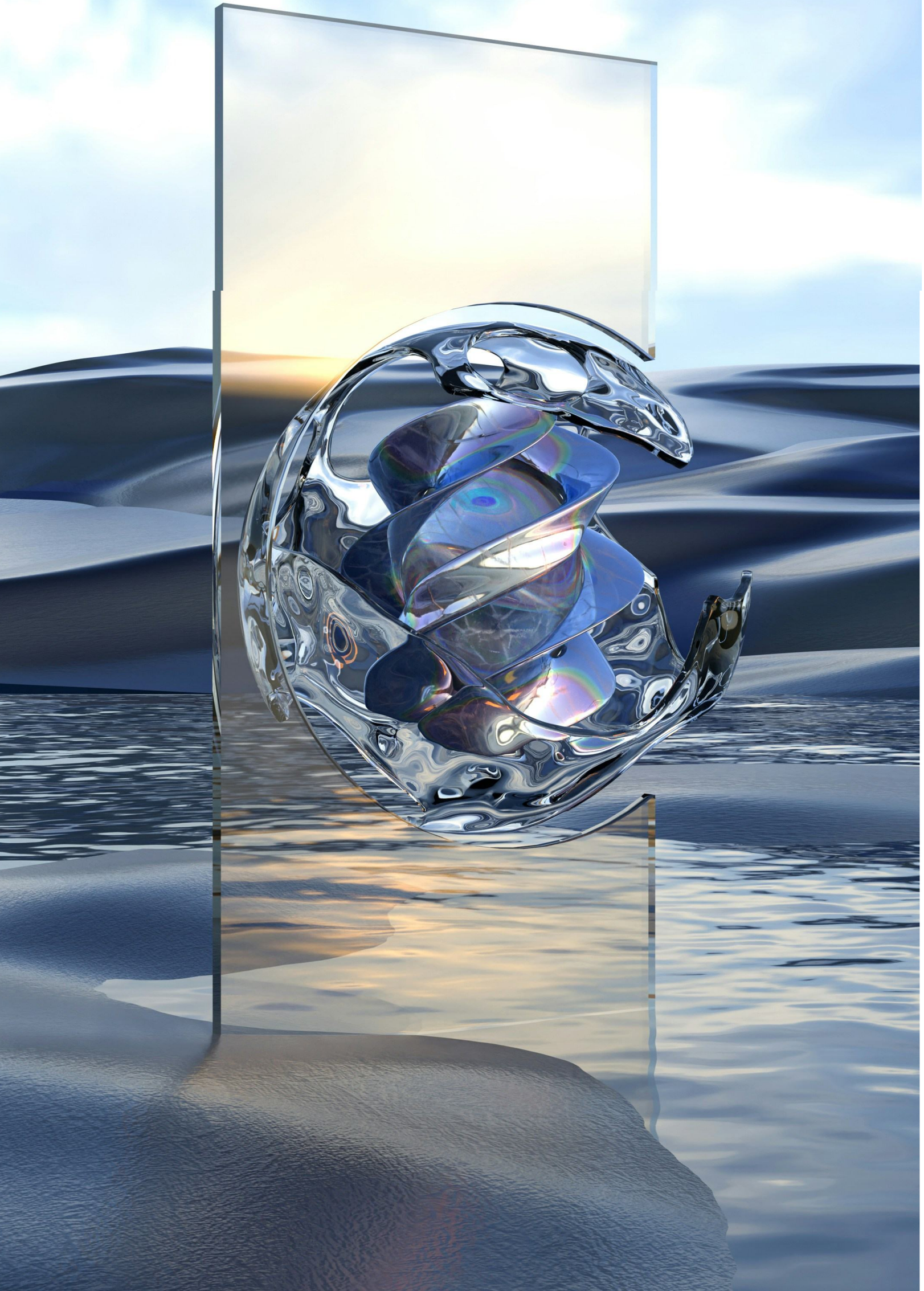

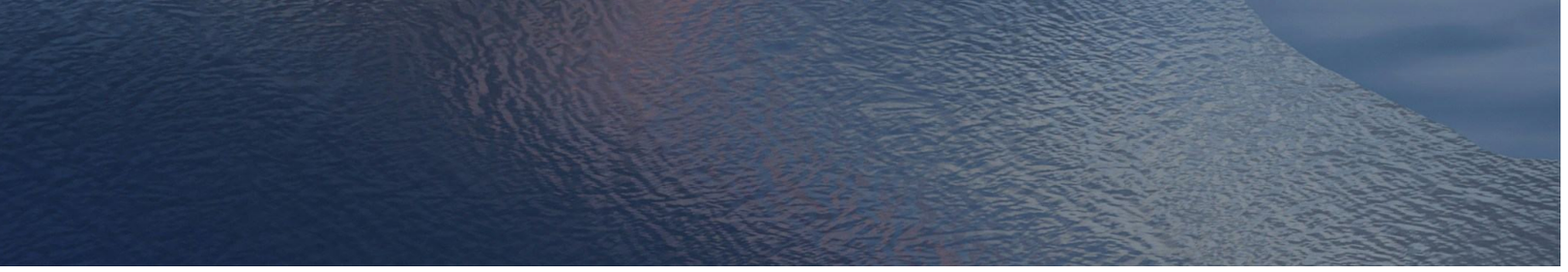

Humanity's never-ending exploration of the physical world is mirrored by an inward journey of contemplation of the meaning of life.

How can we ease the burden on our ailing bodies to reinvigorate our exhausted inner selves? Today, individuals are weary in body and mind and in need of a remedy – technology – capable of providing spiritual nourishment and physical well-being.

Access to public health facilities and telemedicine provide new opportunities for expanding healthcare scenarios and allocating medical resources. Consequently, the demand for convenient healthcare products that can be used in daily life has surged.

Technological empowerment and ethical regulation are expanding the realm of treatment possibilities, continuing the human metamorphosis as we adapt to new environments and the need to achieve sustainable health and joy.

# 1

# Cozy Groove

We live in a society obsessed with efficiency, with bodies so busy there's hardly a second left for the soul. The result of this new life is a numbness that leaves us unable to empathize with others, incapable of self-awareness, overloaded emotionally, and increasingly isolated. And finally, freedom and tolerance have become new themes of thought, prompting people to reconsider alternative lifestyles beyond mainstream values.

The new generation, represented by Generation Z , tends to follow their inner preferences and freely express their personal style in life: whether it's adding their own touch to home decor through handmade projects, or finding relaxation and comfort amidst hand-planted greenery. Their focus on the personal life exceeds that of previous generations, as does their pursuit of value for money. Young people are embracing practical products to satisfy genuine needs and a "minimalist" lifestyle of rational consumption, though minimal might not mean boring – it is about what is truly interesting and meaningful.

By confronting the material desires more rationally, we gain a better understanding of our true needs and become better equipped to care for our own health and well-being. Choose your community, hobbies and a meaningful lifestyle, and draw energy from these things for a healthier, happier life.

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[1] Generation Z refers to individuals born between 1995 and 2009 and is also known as the Internet generation or the digital generation.



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And finally, freedom and tolerance have become new themes of thought, prompting people to reconsider alternative lifestyles beyond mainstream values.

CMF

The bright chartreuse is soft and fresh like tender shoots, soothing the soul. The breathable texture in soothing yellow conveys warmth and inspires trust. Makroblend® M525 is a skin-friendly polycarbonate - polyester blend resistant to household chemicals that meets ISO 10993-5 requirements for in vitro cytotoxicity and ISO 10995-10 tests for irritation and delayed hypersensitivity. Medical-grade Makrolon® M6011FR PC meets ISO 10993-5 requirements for in vitro cytotoxicity and ISO 10993-10 tests for irritation and delayed hypersensitivity. It is UL94 V-0 (1.5mm) flame retardant, resistant to household chemicals and disinfectants, and UV and impact resistant at medium viscosity. From our CQ portfolio of more sustainable options, RE materials are attributed with a proportion of recycled raw materials derived from bio-circular feedstock, reducing environmental impact and improving social responsibility with ISCC+ certification.

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## Tender Shoot

25HC11 (Base)

Solid
Gloss Front / Matt Back
RAL 110 85 50

## Seed

25HC12 (Insert)

Solid
Gloss Back
RAL 095 70 50

# 2

# Transmitted Health

As technology develops, "treatment" gradually expands to take on a broader meaning. The modern healthcare system expands from formal medical settings to everyday life. Patients receive treatment at home and on the go. Healthcare products and experiences become more pleasant and convenient. Connected devices are essential to this process, by allowing patients to access, share, and analyze medical data and doctors to monitor the health of their patients and plan treatment remotely.

New treatment models, however, do not come without new challenges and risks. Medical devices must be safe and reliable and patient data secure. Devices must be easy to use and identify, and medical assistance must be readily accessible to patients when needed.

Portable drug delivery systems such as injectors and wearables give patients unprecedented autonomy and control of their treatment and save time and money. In addition, treatment of this kind can be more accessible for patients and cause less disruption to their daily lives.



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Treatment can be more accessible for some patients and cause less disruption to their daily lives.

CMF

The diversity of possible medical scenarios means products must focus on both functionality and emotion. The purity of blue draws attention to the professional, safe, reliable nature of the product, while the vibrancy of orange adds a sense of vitality. (PC+ABS) blend Bayblend® M850 XF is a high-flow medical grade that is ISO 10993-1 biocompatible. The renewable equivalent material, denoted by “RE,” is offered as part of our CQ portfolio.  RE materials are attributed with a proportion of recycled raw materials derived from bio-circular feedstock, reducing environmental impact and improving social responsibility with ISCC+ certification.

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## Hummingbird

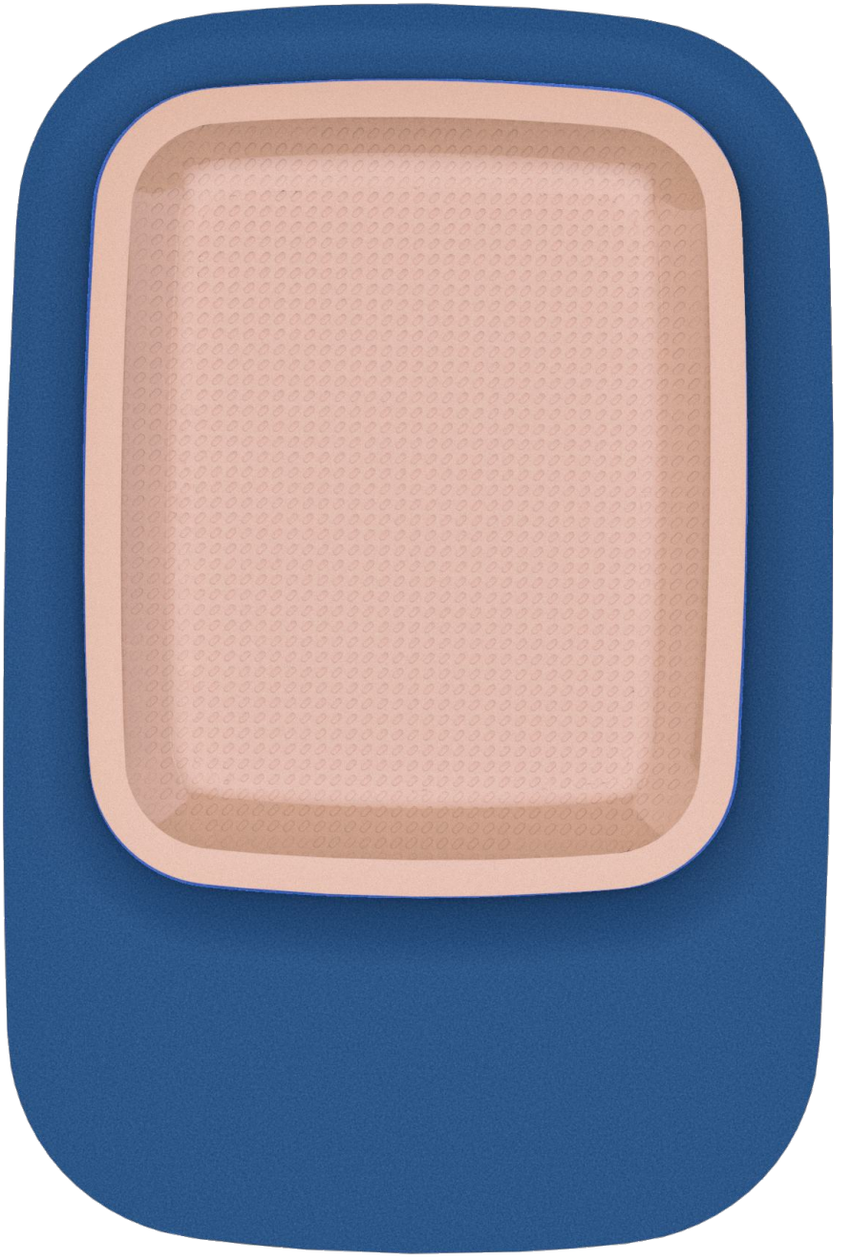
25HCB21 (Base)

Solid
Matt Front / Gloss Back
RAL 260 50 35
Bayblend® M850 XF RE

## Powder

25HC22 (Insert)

Solid
Gloss Back
RAL 050 85 10
Bayblend® M850 XF RE



# 3

# X-DNA

Human nature itself drives generation after generation to overcome its own limitations and push the boundaries of longevity. In this new era, the struggle against aging has transcended the stereotypes and physiological constraints of age to achieve greater equality. As lifestyles become more diverse, people no longer fear the decline of physical abilities that comes with aging or the loss of enjoyment in life. Instead, they tend to adopt a positive mindset when facing the aging process. We are living longer and discovering the meaning of a fulfilling life through continuous learning.

Technology has armed humanity to fight against the limitations imposed upon it by time. As the concept of delaying aging gradually becomes a reality with the help of technology, our perceptions of life and death will change.

Recent studies  estimate the global anti-aging market will grow by 6.5% annually between 2023 and 2028, and will reach USD 98.6 billion as people seek more rational, professional, and targeted technology-driven anti-aging solutions against the passage of time. Proponents of transhumanism aim past life expectancy to a healthy lifestyle, employing anti-aging skincare products and medical aesthetics to maintain appearance and health monitoring devices, exercise, and fitness to benefit physiological functions. Cryogenic technology shows us what might be possible under extreme conditions, allowing individuals to transcend the barriers of time in cryogenic sleep and saving genetic information in cryopreservation.

Technological support and ethical standards raise our thoughts and behavior to new levels for deeper social connections and emotional exchanges and better understanding of the meaning of human existence as a collective. A new Tower, constructed by seekers of knowledge, reaches out endlessly, challenging eternity and fighting for every second.

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[1] Tmall: 2023 High-Tech Luxury Skincare Trend Report



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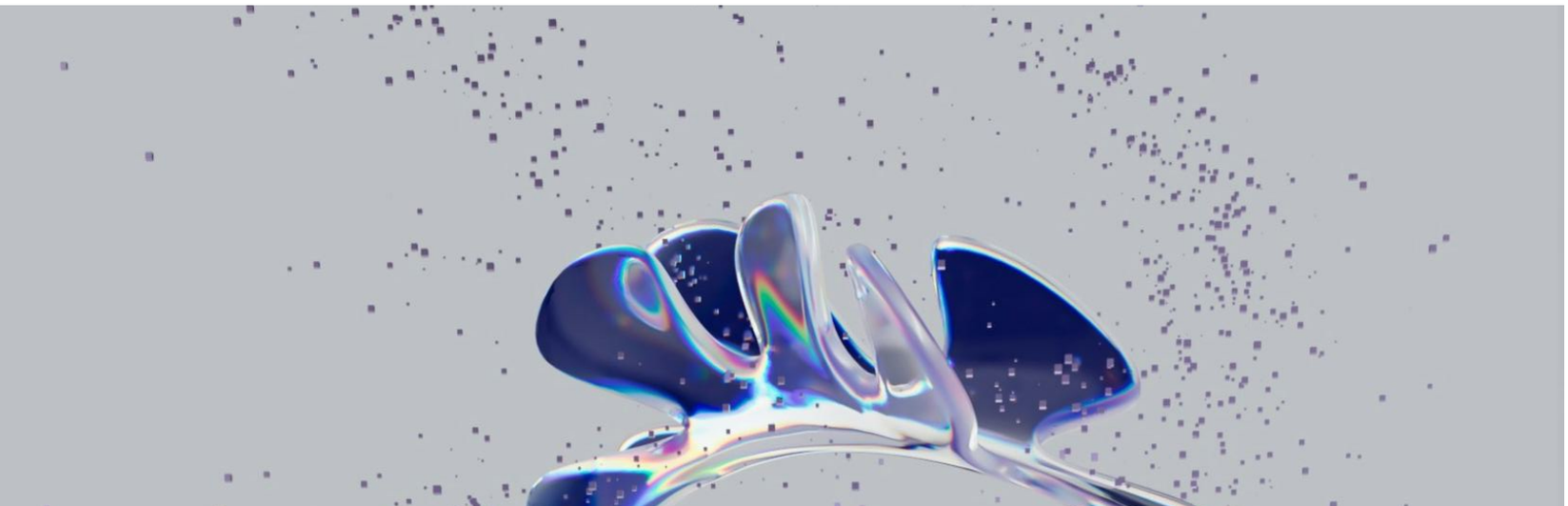
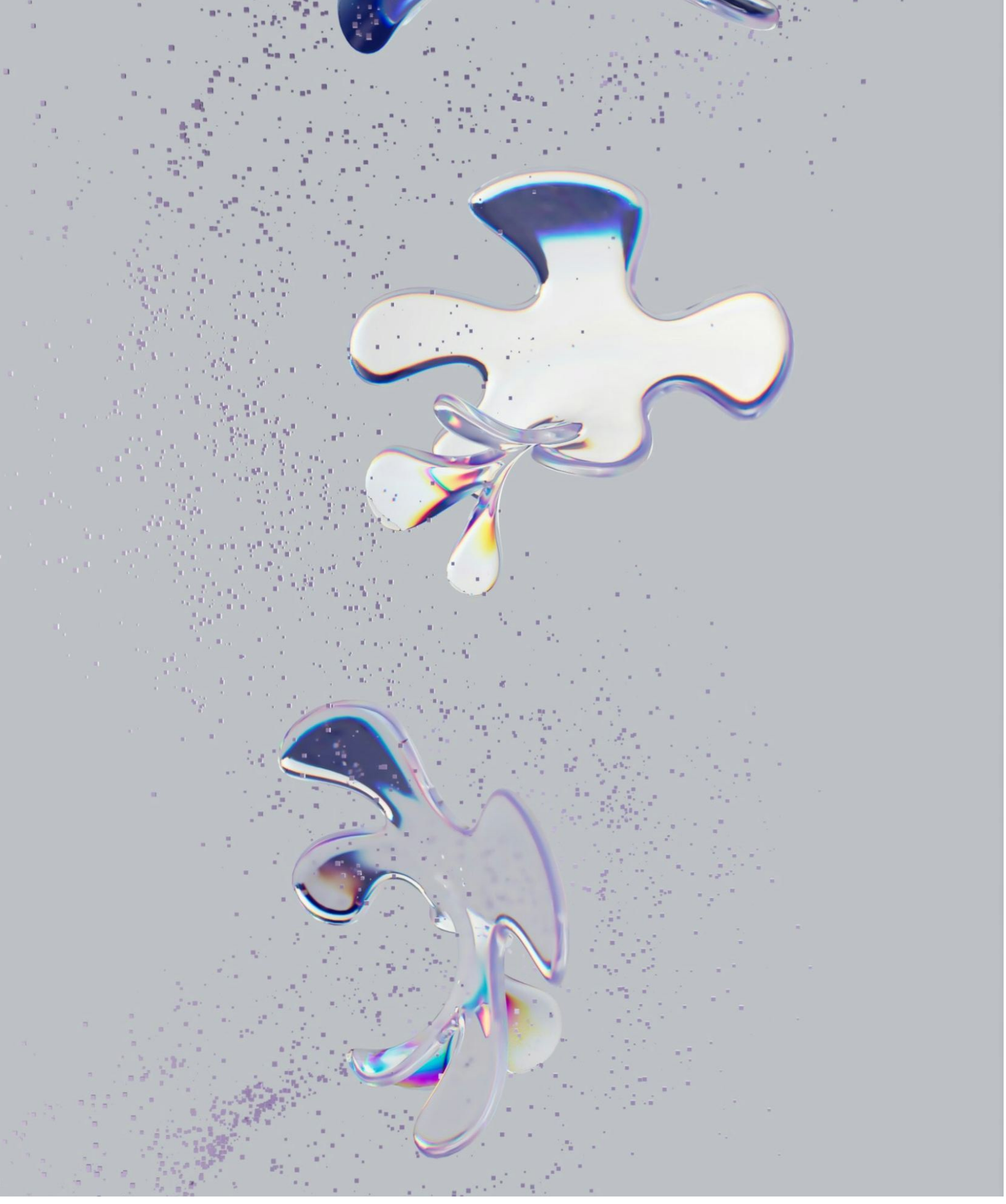
A new Tower, constructed by seekers of knowledge, reaches out endlessly, challenging eternity and fighting for every second.





CMF

Translucid purple embodies mystery and the spirit of exploration driving humanity to overcome its own limitations. Paired with a cool white reminiscent of moonlight, it showcases the power of technology working together with endless imagination.
Makrolon® Rx1805 is a medical-grade polycarbonate that is ISO 10993-1 biocompatible. It is suitable for sterilization with high-energy radiation, ethylene oxide, or steam, and offers chemical/lipid resistance and high strength. From our CQ portfolio,  RE materials are attributed with a certain proportion of recycled raw materials derived from bio-circular feedstock, reducing environmental impact and improving social responsibility with ISCC+ certification.

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## Moonlight

25HC31 (Base)

Solid
Matt Front / Gloss Back
RAL 9003
Makrolon® Rx1805 RE

## Illusion

25HC32 (Insert)

Translucid
Matt Back
RAL 300 80 10
Makrolon® Rx1805 RE

# 4

# Meta Med

In the information age, artificial intelligence (AI) technology is impacting every human endeavor in unprecedented ways at unprecedented speeds, and the healthcare industry is no exception. The global population is aging, affecting many industries, and attracting attention to AI-powered healthcare.

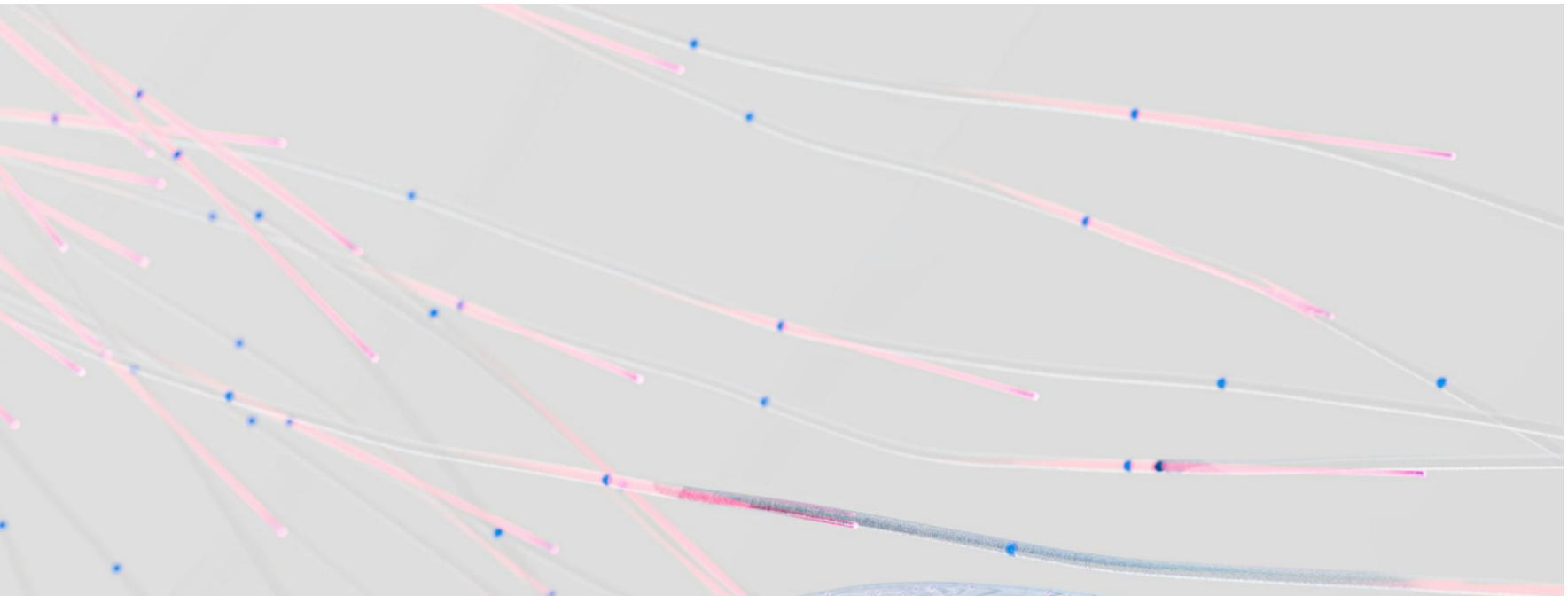
AI applications for healthcare can detect early symptoms and reduce treatment times, saving institutions money and improving the efficiency of medical professionals. According to BCG Consulting, "the Meta-Hospital platform is the enterprise guarantee for a variety of clinical applications and the core platform upon which patient data will be integrated in the future." From computer vision technology to upgraded cloud computing power, "meta medicine" is more precise than a human doctor in early disease detection and diagnosis. This demonstrates the unique value of AI technology in drug development, genetic engineering, and digital therapy, among others. Trained algorithms can more efficiently identify rare diseases, decode human genes, and promote medical research in the real world.

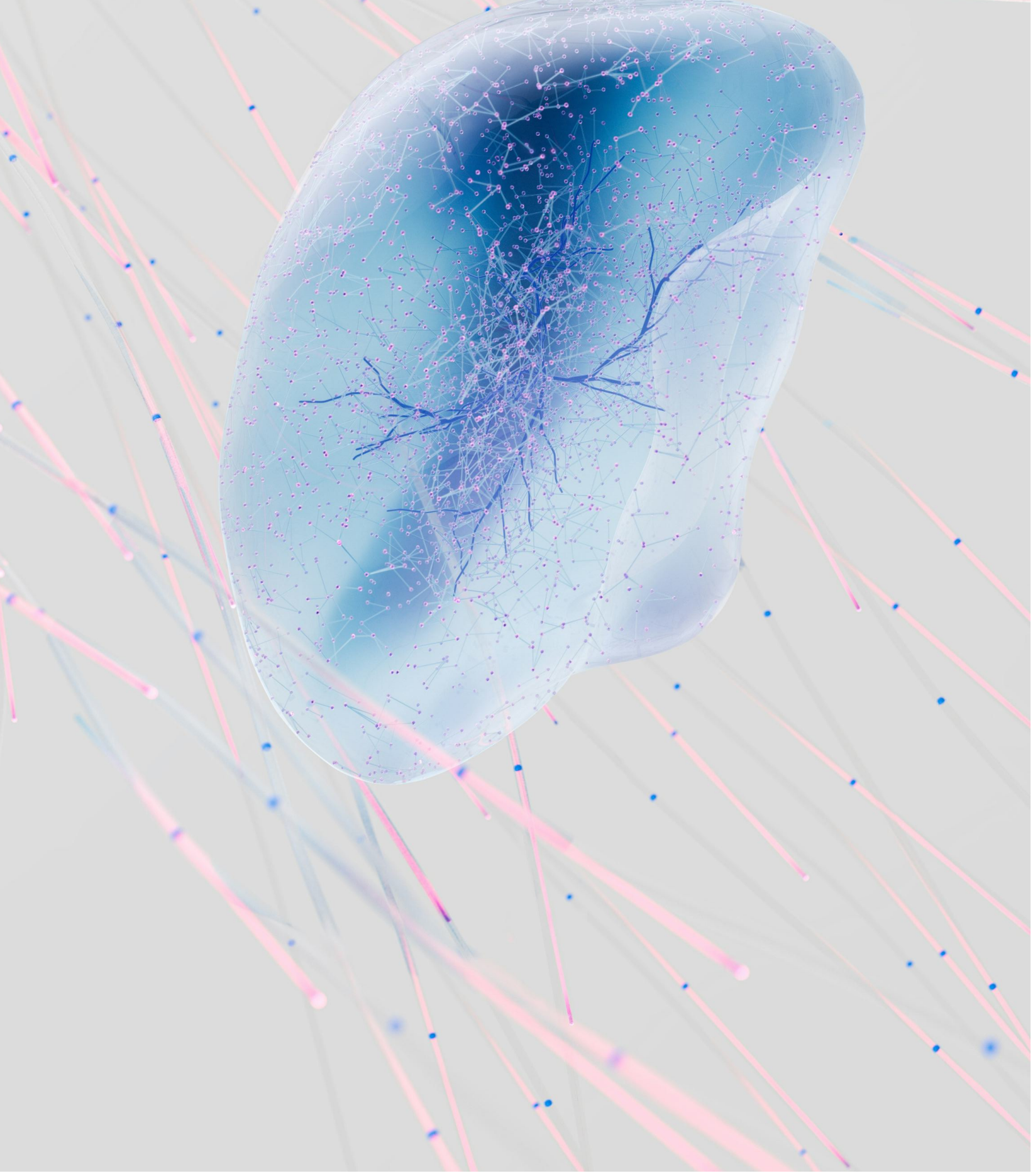
The development of AI technology has made healthcare services more accessible in an uncertain world, where more and more people are seeking a sense of control over their health. The AI-powered future of healthcare lowers barriers to patient care, providing ubiquitous, personalized, and empathetic diagnosis and treatment experiences. Remote diagnosis and treatment technologies alleviate the problem of unequal access to medical resources, enabling more people to receive treatment from AI doctors or human doctors from the comfort of their own homes. The retrieval of cloud data empowers individuals with a more equitable and proactive approach to health management.

[1] This refers to providing immersive, interactive healthcare services to patients and medical providers, supported by metaverse technologies like virtual reality and augmented reality.



The AI-powered future of healthcare lowers barriers to patient care, providing ubiquitous, personalized, and empathetic diagnosis and treatment experiences.





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The cold matte gray reflects the reliability of the product and sets off the transparent blue of the embedded chips. The gray of the back panel conveys trust and contrasts aesthetically with the blue, which represents intelligence, continually guiding user interaction and enhancing the product's clarity and sense of control. Makrolon® 2458 is a medical-grade polycarbonate that is ISO 10993-1 biocompatible. It is suitable for ethylene oxide or steam sterilization, with low viscosity for easy demolding. From our CQ portfolio, RE materials are attributed with a certain proportion of recycled raw materials derived from bio-circular feedstock, reducing environmental impact and improving social responsibility with ISCC+ certification.

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## Outer Space

25HC41 (Base)

Solid
Matt Front / Gloss Back
RAL 260 40 05
Makrolon® 2458 RE

## Glacier

25HC42 (Insert)

Translucid
Gloss Back
RAL 230 70 30
Makrolon® 2458 RE

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25HC11 Tender Shoot (Base)

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25HC21 Hummingbird (Base)

Solid
Gloss Front / Matt Back
Makroblend® M525

## 25HC12 Seed (Insert)

Solid
Gloss Back
Makrolon® M6011 FR RE

P.8

## 25HC31 Moonlight (Base)

Solid
Matt Front / Gloss Back
RAL 9003
Makrolon® Rx1805 RE

## 25HC42 Illusion (Insert)

Translucid
Matt Back
RAL 300 80 10
Makrolon® Rx1805 RE

Solid
Matt Front / Gloss Back
Bayblend® M850 XF RE

## 25HC22 Powder (Insert)

Solid
Gloss Back
Bayblend® M850 XF RE

P.11

## 25HC41 Outer Space (Base)

Solid
Matt Front / Gloss Back
RAL 260 40 05
Makrolon® 2458 RE

## 25HC42 Glacier (Insert)

Translucid
Gloss Back
RAL 230 70 30
Makrolon® 2458 RE

# Covestro Global Color & Design (CMF)


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