



A journey of innovation with Plasson.

For decades, Plasson had been a pioneer and market leader in the field of plumbing and irrigation systems across multiple industry sectors and disciplines. The dawn of new markets and materials Industry 4.0 brought with it a new set of challenges and more importantly, opportunity.



Traditional manufacturing processes were not only time-consuming but also limited in terms of design possibilities. Plasson needed a game-changer and Asiga emerged as the perfect ally, ready to unlock new levels of creativity and precision.

Asiga came with a proven track record in the volume manufacturing of end-use medical devices in both the dental and hearing sectors. These industries have an insatiable need for precision, production reliability and surface finish. This equipped Plasson's development team with a new high-resolution capability and access to a variety of advanced materials, making them the ideal choice for their cutting-edge new product development. Asiga 3D

printers realised digital designs into physical prototypes with precision and speed that was previously unimaginable.

"Asiga's 3D printing technologies are our gateway to Industry 4.0. For us it is more than a tool, it's an innovation accelerator. It empowers us to think beyond limits, experiment with new materials, and turn ideas into reality faster than ever". Raviv Meydan, R&D Engineer, Plasson

As Plasson integrated Asiga printers into their product development process, they experienced immediate benefits. Their design team, once bound by the constraints of limited material options and print inconsistency, now had the freedom to explore innovative concepts without the fear of excessive costs or lead times. They could iterate designs quickly, making it easier to refine their products and respond to market demands in real-time.



One of the first projects to benefit from was the development of a new line of precision-molded connectors. Plasson's engineers used additive technologies to create prototypes that were not only functional but also visually realistic for customer testing. These prototypes allowed the team to perform rigorous testing, ensuring that the connectors could withstand the harshest conditions without compromising performance.

The integration of the Asiga PRO 4K XL transformed Plasson's approach to customization. In the past, producing custom components for specific projects was time-consuming and expensive. Now, with the Asiga PRO 4K XL, Plasson quickly adapt their designs to meet the unique needs of the market. This newfound flexibility gave Plasson a significant competitive advantage.

Plasson's journey with additive manufacturing has been transformative from a traditional manufacturing company to a forward-thinking, technology-driven industry leader. Their products are synonymous with quality, innovation, and adaptability.

In the end, Plasson's decision to embrace Asiga 3D printing technologies proved that in the age of digital innovation, adaptability and a commitment to embracing cutting-edge technology were the keys to thriving in a rapidly evolving landscape.

About Plasson

PLASSON is a global leader in the development, manufacturing and marketing of high-quality technical products: Flow Solutions (fittings & valves), livestock equipment, products for the bathroom and kitchen, and in other activities. The Company maintains a tradition of over 60 years of excellence and innovation. www.plasson.com

About Asiga

Asiga, a 3D printer manufacturer located in Sydney, Australia manufacture 3D printers for direct additive manufacturing in industries including dentistry, hearing, medical modelling, jewellery and more. Having the ability to output predictable and accurate 3D printed parts is essential for these industries, ensuring production continuity. Asiga 3D printers offer an open material architecture providing compatibility with more than 500 materials from many industry leading 3D printing polymer manufacturers. www.asiga.com

About Mafil

Mafil, a leader in Israel's 3D printing industry, excels in Sales and implementing advanced 3D printing technologies.

Our holistic service model encompasses the entire 3D printing ecosystem, followed by the customization of technology solutions, thorough service training, and ongoing support. This approach solidifies our position as a key player in integrating advanced 3D printing solutions in the Israeli market.

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