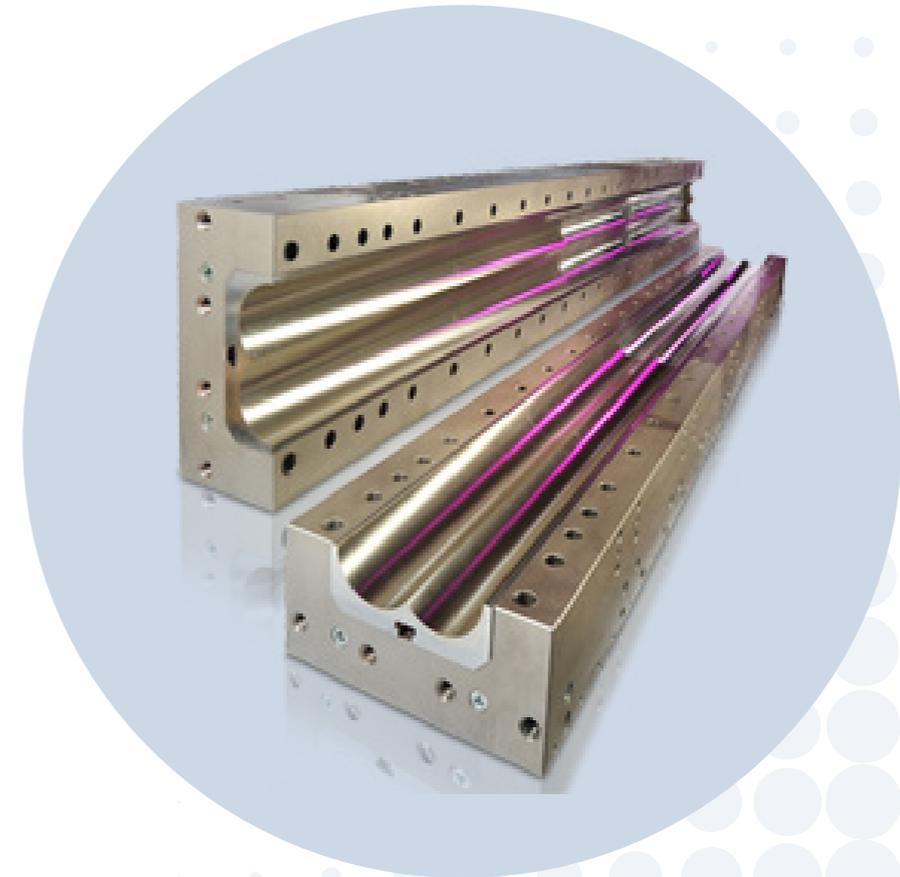


REINVENTING WEAR RESISTANCE WITH SILHOUETTE POWDER METALLURGY

AIMS Ltd, through its specialisation in advanced Powder Metallurgy processing, has pioneered the development of improved performance of wear parts for the food and plastic extrusion market. The Sagittite process pioneered and patented by AIMS, has increased operating lifetimes of extrusion equipment by an order of magnitude over established methods of production by harnessing the flexibility of Hot Isostatic Pressing (HIP) technology. Having achieved such impressive results from the application of HIP technology, our most recent activity supported by independent UK based development organisations, has been to better understand the potential for supply chain optimisation. From powder supply, to processing conditions, the spectrum of opportunity to improve both understanding and characterisation of the Sagittite Optima product range has been improved over the last 12 months. During this period of Supply Chain optimisation, both new and existing IPR has also been considered to further enhance the differentiation of AIMS processing technology. Our new programme designed to Disrupt traditional manufacturing would be to secure a reduction in manufacturing time of 50%, and a cost of manufacture saving of 40%. With a unique, UK based supply chain for ready to fit parts, we see this as a major step forward to service the global extruder market. Part of this Disruptive technology has previously been demonstrated within a different sector, and AIMS believes that opportunity now exists to transfer and scale this processing technique into the international extrusion market.

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“Sagittite Green” would provide a unique service in both the supply of new and reclaimed parts, with the potential of introducing a completely new business model to the extruder market.
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In combination with the manufacturing change envisaged by the Disruptor Project, AIMS has also recognised that it would be possible to apply the same processing technique for the rapid recovery of worn and redundant high value extrusion parts. “Sagittite Green” would provide a unique service in both the supply of new and reclaimed parts, with the potential of introducing a completely new business model to the extruder market. Manufacturing of a new part, and with subsequent re manufacturing, would offer enhanced sustainability for high value parts, and a product leasing option from a pool of readily available refurbished extruders rather than the more cost intensive outright capital purchase. As a small business, AIMS has specific resources of value to this new venture, but seeks to engage with other like minded, development and innovation led organisations who may wish to contribute appropriate resources within the phases of the project and equally, share in the potential upside benefits from this new and innovative technology. This introduction therefore sets out the broad principles for such a project and seeks interest and further discussion under appropriate NDA cover.