

FLASH newsletter content

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Review of case studies: system Specifications

Consortium projects require the detailed examination of all partner's end-use cases and identification of common areas where a similar laser process can be used to address multiple areas. To achieve this as well as to foster skills development among the consortium two highlights have been achieved:

The Manufacturing Technology Centre (MTC) has produced and delivered an introductory laser processing training course, offered to all members of the FLASH Consortium. This took place on April 22nd 2024. The short course introduced the fundamentals of the various laser-based manufacturing processes that will form part of the FLASH end product. In addition to the rapid up-skilling of consortium partners, this training enables all end-users to better identify the benefits of how laser processing can be implemented in their production environment. It enabled specialists in other areas of machine development, artificial intelligence, and advanced metrology to better understand what data they may receive and how best to integrate their unique technologies to maximise the impact of the future Flash system.



Figure 1 - Synova WJGL in process

DePuy Synthes (DPS) visited the MTC on May the 2nd 2024 for a day of demonstration of laser technologies for their specific use cases. This involved demonstration work on some samples, using the Water Jet Guided Laser, shown in Figure 1, among other laser-based systems. Extended discussions gave a better understanding of the unique





advantages of laser processing and how they can enhance DPS manufacturing processes in the orthopaedic medical sector.