



# Digital Technology Internship Placement

## Employer Information:

'Made Smarter' is a Government funded programme, matching your expertise, skills, and insight to help North West businesses implement digital tools. You will be working on a live project while gaining valuable experience for your C.V.

**Placements are open to 3<sup>rd</sup> and 4<sup>th</sup> Year Undergrads, MSc, and Postgraduate Students**

## Placement Information

<b>Role Title:</b>	<b>Project:</b> Proof of value and implementation of packaging optimisation software plus product design automation and configuration solution. <b>Reference:</b> 3362Z
<b>Business Overview</b>	The client design and deliver toolmaking and provide injection moulding services. Their portfolio of clients is broad, but their key markets include defence, automotive and other industrial blue-chip customers. In addition to their injection moulding services, through their class-leading, in house tool room they commission over 60 Injection Mould tools every year and all are covered by the companies ground-breaking 10-year warranty. They are extremely quality conscious, and system focused.
<b>Location:</b>	Royton, Oldham, OL2 6EH
<b>Number of posts:</b>	ONE
<b>Job Description:</b> <i>Please include as much information as possible including main purpose and detailed duties/responsibilities</i>	<ul style="list-style-type: none"><li>• Review the existing business processes in the two themed areas of consideration, paying close attention to any business challenges, cost to the business and workflow.</li><li>• Identify any none value-added tasks that are a drain on resource and give consideration to how these can be addressed in relation to both programmes-packaging optimisation and DriveWorks review.</li><li>• Work with the team to define an evaluation criterion to form the basis of the research work to be undertaken for both programmes.</li><li>• Evaluate commercially available packaging optimisation software against the evaluation criteria.</li><li>• Evaluate DriveWorks software options (3 tiers in their product suite) against the evaluation criteria.</li><li>• Consolidate the findings from the comprehensive evaluation projects and develop a proposal to justify the necessary investment that will meet our requirements today and those of our future growth plans in line with our strategy.</li></ul>

	<p>Investigate and recommend best practice programmes to support:</p> <ol style="list-style-type: none"> <li>1) Proactive approach to packaging design, leading to reduced costs, less errors. Whilst the choice of potential commercial software solutions is limited, at least one solution has already been identified that warrants further investigation and will form the starting point of the proof of value exercise.</li> <li>2) Automation of quotation and other processes using DriveWorks add on to Solidworks CAD system. Whilst the software extension to SolidWorks is well established (there are 3 levels of solution), the merits of each and relevance to current and future needs will form part of the evaluation process.</li> </ol> <p><b>Work Plan:</b></p> <p><b>Month 1: DriveWorks</b></p> <ul style="list-style-type: none"> <li>• Discuss project goals</li> <li>• Analyse current work practices for SolidWorks utilisation</li> <li>• Assessment of DriveWorks options</li> </ul> <p><b>Month 2: DriveWorks and Packaging Optimisation</b></p> <ul style="list-style-type: none"> <li>• DriveWorks report</li> <li>• Implementation of Driveworks (if appropriate)</li> <li>• DriveWorks Internal knowledge transfer</li> <li>• Analyse current work practices for packaging software</li> </ul> <p><b>Month 3: Packaging Optimisation</b></p> <ul style="list-style-type: none"> <li>• Review and assess packaging software</li> <li>• Packaging software report</li> <li>• Implementation of packaging software (if appropriate)</li> </ul> <p>Internal knowledge transfer for extended internship</p>
<p><b>Expected areas of knowledge:</b></p>	<p><b>Essential:</b></p> <ul style="list-style-type: none"> <li>• A solid understanding of CAD and ideally SolidWorks experience</li> <li>• Some prior knowledge in simulation software</li> <li>• Digital business processes and applications</li> <li>• Technical capability to review various existing software packages, trial and recommend</li> <li>• Support the implementation and train/handover to permanent employees</li> <li>• Good understanding of business processes, particularly in a bespoke engineering environment is desirable</li> <li>• Good communication skills, both written and verbally</li> <li>• A team player but capable of working independently or under instruction</li> <li>• A good understanding of IT business software</li> <li>• Methodical approach to fact finding and reporting</li> </ul>
<p><b>Salary:</b></p>	<p>£12.00 p/h (£5,760 per placement)</p>
<p><b>How to apply:</b></p>	<p>Via e.mail <b>quoting reference</b> to Amanda Lyons, Made Smarter DTI Placement Manager at: <a href="mailto:amanda.lyons@growthco.uk">amanda.lyons@growthco.uk</a></p>
<p><b>Placement Start Date:</b></p>	<p>As soon as possible – July/Aug 2021</p>

<b>Duration of Placement:</b>	480 Hours on a full-time, part-time, or flexible schedule
<b>Additional Info:</b>	You will be required to register your interest in a Digital Technology Internship with Made Smarter on our website at: <a href="http://www.madesmarter.uk">www.madesmarter.uk</a> C.V's can be uploaded at the point of registration. Your details will be stored to allow us to contact you for any future suitable opportunities.