

Outlaw Designs Limited - Proposal

The laser research diary summary (describe your project briefly)

I am a new start-up company (Outlaw Designs Limited) which began in November of 2018 in the UK. I have been expanding into the world of 3D printing, sheet metal fabrication and design work. I have 12 years of fully-documented training in all aspects of fabrication, robotic welding, CNC laser cutting, engraving, CNC press brake and CNC punch programming (2D & 3D CAD & CAM). I then went on to develop my skills and knowledge in sales and production management and have undertaken several training programs to expand my working skill set over this 12 year period.

As a full time job; for the time-being I work for a company called Trifibre LTD, where we manufacture and design custom flight cases. My role there is to manage and train my design team and implement new processes until my own business fully takes off and I can work from my own individual facility - which will certainly be in the near future based upon the amount of enquiries and orders I continue to receive in this short space of time.

Eventually, I would like to turn said facility into, not only a production environment, but also a training facility for students to come and learn; to have advanced training sessions and learn about the future of engineering.

Name of a college (enter your full college and class information)

<u>Business Address</u>	<u>Daytime Postal Address</u>
Matthew Rowe	Matthew Rowe
Managing Director	Design Manager
142b Beaumanor Road	17 Boston Road,
Leicester	Leicester
Le4 5QB	LE4 1AQ
United Kingdom	United Kingdom
Subject to change shortly	
UK Business Number: 11679354	

Research objective (what do you plan to accomplish)

I have used several laser cutters (from Amada to Trumph CNC machines) in various aspects of sheet metal fabrication, welding tooling design and general design work using a variety of programs such as Autodesk Inventor, Solidworks, Radan and Trutops CAD/CAM packages. I have also spent 4 years within this time period implementing, programming and commissioning robotic welding cells (Cloos and Fanuc).

I have documented training and a full working history for the above mentioned to verify this, if required.

My intentions are to take on the laser to add it to my current 3D printer set-up, or develop a CNC laser machine tailored to your specifications alongside the incorporation of my extensive mechanical engineering experience, so that I can train my newly appointed staff and add additional functionality to my newly-established business.

I am now looking to expand Outlaw Designs Limited exponentially into newer markets tailored to my specific skillset.

Team (full credentials of a research team)

I currently run the business side of Outlaw Designs Limited completely single-handedly, but I am actively looking for new staff from universities or colleges to train and develop, as my daytime role is presently quite demanding, but is now in the process of slowing down gradually.

I am implementing structured engineering processes; and with increasing orders through Outlaw Designs Limited, I need to be able to train and develop my staff to my personal standard so that I can rely on them to process orders through my own, self-developed production control system and then to be able to program the 3D Printer and other machines.

Hopefully, your generous offer of the 500mw laser will be able to add a new, profitable functionality to my business.

My plan is to initially train new team members in CAD and then in CAM so they can understand my desired process from start to finish.

Research report (write your research report here)

So far, I have received a lot of interest from various graduate design engineers wanting to join my team. I have interviews set up for the upcoming week, so depending on the overall outcome and their availability and enthusiasm etc. for training and development, I will be looking to take on one or two individuals over the few months, all being well.

As I'm sure you understand, finding the right candidates can be a laborious process and I am doing this unassisted through sites such as LinkedIn.

I hope the above meets your criteria; as I think, not only the development and training of new staff, but the prospect of an additional laser will work well for both parties; and as always, I am happy to share any news feeds or applicable posts created by yourselves onto my business pages.

Kind regards,

Matthew Rowe
Managing Director

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