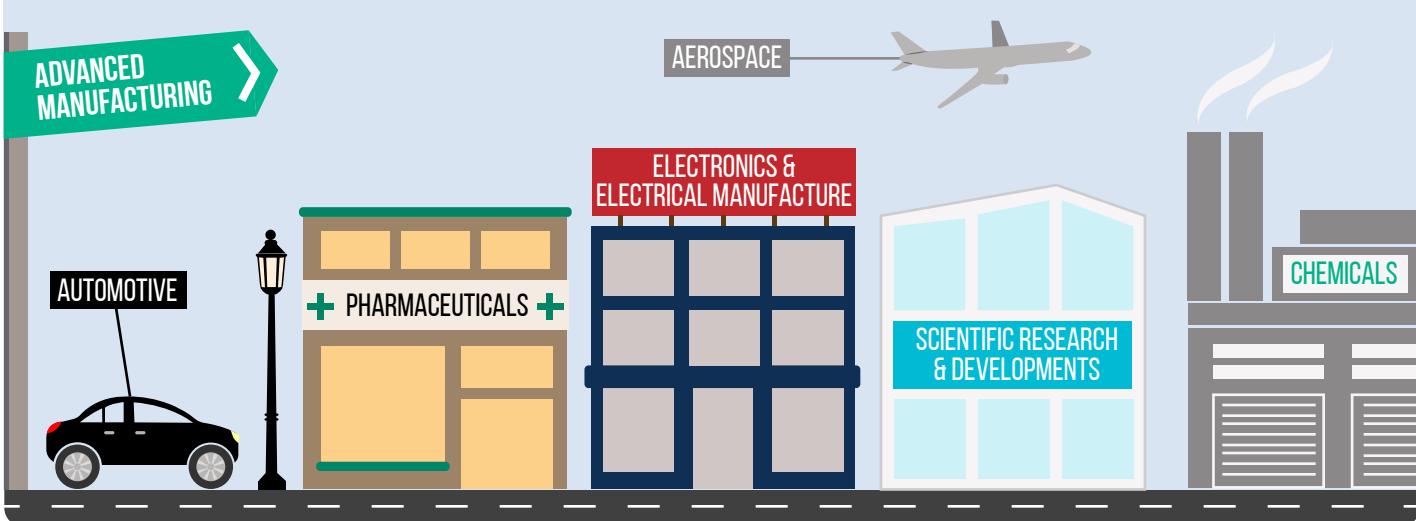


## WHAT IS ADVANCED MANUFACTURING?

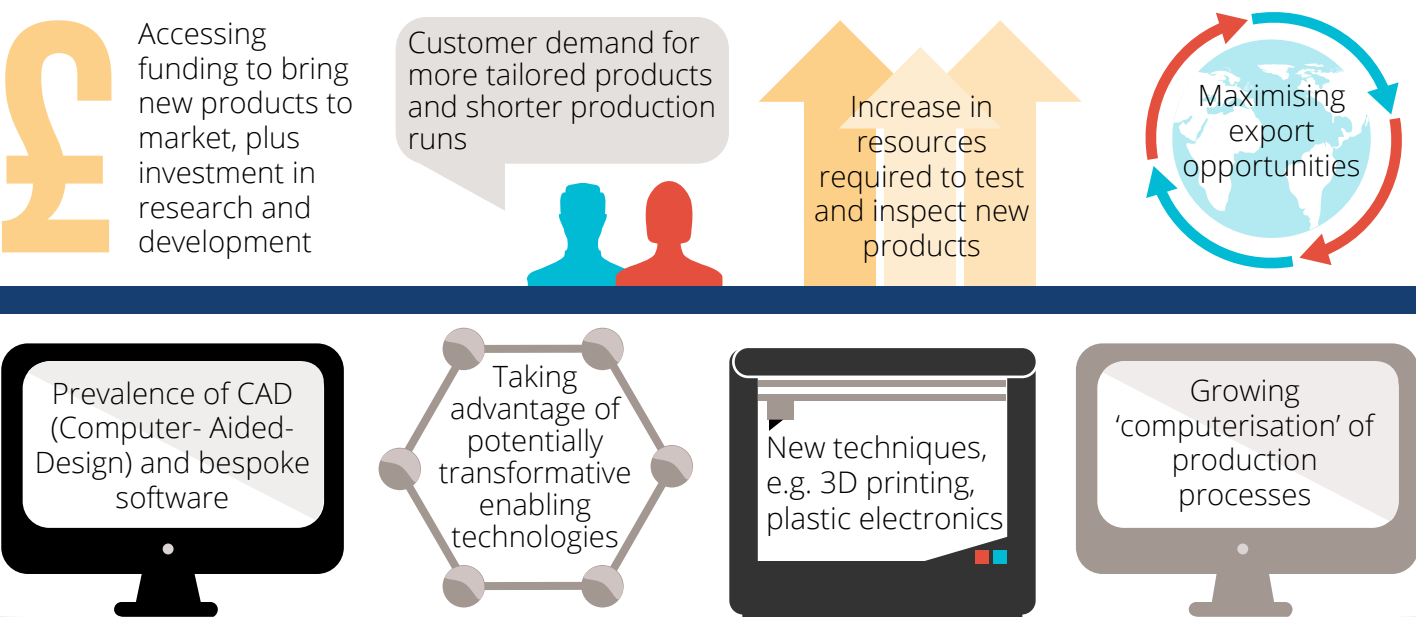
CUTTING EDGE, TECHNOLOGY INTENSIVE MANUFACTURING THAT UTILISES RESEARCH & DEVELOPMENT



## WHY IS ADVANCED MANUFACTURING IMPORTANT?

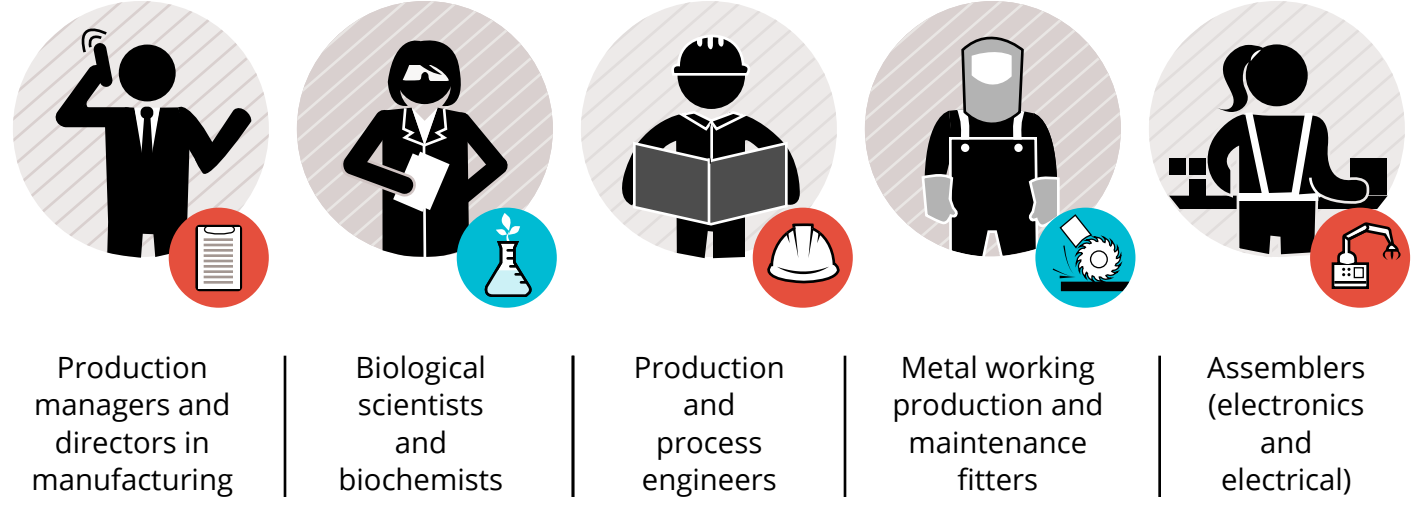


## CURRENT CHALLENGES



## OCCUPATIONS IN THE REPORT

THE REPORT FOCUSES ON FIVE KEY OCCUPATIONS:



## FUTURE SKILLS ISSUES

### PRODUCTION MANAGERS, OR DIRECTORS IN MANUFACTURING



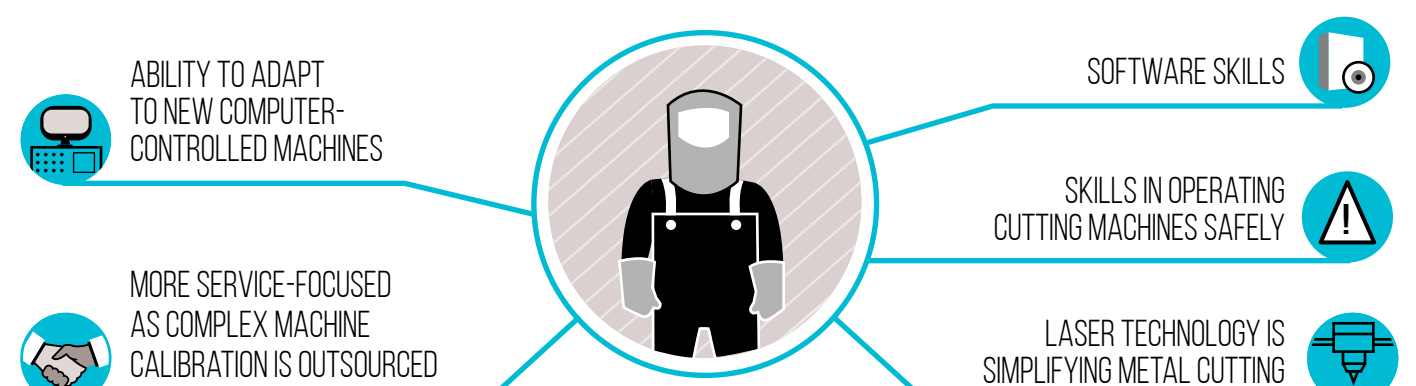
### BIOLOGICAL SCIENTISTS AND BIOCHEMISTS



### PRODUCTION AND PROCESS ENGINEERS



### METAL WORKING PRODUCTION AND MAINTENANCE FITTERS



### ASSEMBLERS



## CONCLUSIONS

### IN PURSUIT OF INNOVATION:

- Collaboration between HE and industry can help mitigate risk
- It is important to identify and disseminate good practice in engaging SMEs in research and development

### STEM EDUCATION AND TRAINING NEEDS TO BALANCE:

- Technological skills
- Practical skills
- Leadership, management and supply chain management skills

### THE SECTOR NEEDS TO:

- Support development of transferable skills and technologies
- Upskill and develop existing workforce to take advantage of new technologies
- Assess the benefits of offering apprenticeships
- Establish clear pathways to enable progression to higher-level roles