

# FUTURE MAKERS

**M**anufacturing doesn't start on the assembly line  
The minds of few, spark the hands of many, but first  
Fires light the minds, one solution at a time. Challenges  
Not problems, progress through production. Apprenticeship  
Was the start of a journey for **Henry Ford**, who's thoughts  
Made a Ford the first car that most people could afford.

**A**pprenticeships are just another form of production though  
Not mass or bespoke, but in some ways both, evolving  
And changing with those they serve, growing like **Ross Brawn**  
From apprentice to leader. This is where we move through  
Gears, where someone who steers with kindness can guide  
Us to our own pole position, to our own podium finish.

**K**now yourself, grow yourself, strive like **Beatrice Shilling**  
For more than they expect of you. She fought against  
The force of stereotypes, before overcoming G-Force  
Working magic on merlin engines, she soared like  
The planes she enhanced, showed that given a chance  
Those that we often count out can count the most.

**E**asy is never in the job description, to rise like the Shard  
Is meant to be hard but we dream. What can you see from  
the top floor of one of Europe's tallest buildings. Can you see  
it's engineer **Roma Agrawal** showing why 10% of engineers  
being female isn't enough. Can we design for a society we  
don't represent. No modular construction without all parts.

**U**nimaginable things are achieved with the space to think  
We can break beyond barriers, bore through boredom  
If we believe. In a world where **Elon Musk** has been told  
That he can't, only to prove that he can, who is to say  
That your future can't be out of this world. Space to think  
Time to grow, what is the product of these resources.

**K**nowledge of our goals and our environment are born  
Here, where **Makers Meet** with theory and practice  
Where manufacturing matters. Develop engineering  
Expertise, learn lean manufacturing, make a move,  
Make a choice make a difference, and remember  
Most people who make history, actually make the future.

by **Casey Bailey, 2020**



# TECHNOLOGY HUB - ASTON

Manufacturing and engineering training facility



**1700**

apprentices since 2013

**£14MILLION**

invested in the facility

**200**

manufacturing companies

**9**

WorldSkills  
medals since  
2017

**48**

school visits to our  
STEM facility since  
March 2019

**10**

people on our pilot  
pre-apprenticeship scheme  
with Erdington Academy

**29,000**

visitors to the  
Technology Hub  
during 2018 & 2019

**52**

young people attended  
our two holiday clubs  
during 2019

**914**

delegates completed  
Technical Training upskilling  
programmes since 2017

[makeuk.org](http://makeuk.org)

**MAKEuk**  
The Manufacturers' Organisation