

Typical skill level requirements

Job Types	Typical employment activities undertaken	% split & qualification level
Production Operators	Material handling, machine loading, machine unloading, pack assembly, logistics, module/pack assembly, inspection	60% Level 1-3
Equipment Technicians	Machine service, machine maintenance, optimising machine performance, quality control, reviewing cost & delivery	15% Level 3-5
Engineers & Senior Staff	Facility engineers, process/production engineers, IT and data management, achievement of KPIs, legislation checks	10% Level 6 and up
Quality Technicians	In-process controls, confirmation of specifications (parts and supply), performance evaluation, assessment of defects	5% Level 4
Quality Engineers	In-process controls, confirmation of part /supply specification, performance evaluation, defect analysis	5% Level 6
Management & HQ functions	HR, finance, purchasing, IT and data management	5% Level 6 and up

Potential Apprenticeships

Who Delivers Locally

Level	Apprenticeship	IFATE Reference Number	Duration (months) + EPA	Levy Funding	North East	Midlands	Comments	Links
2	Engineering Operative	ST0537	12	£6,000.00	NE - IOT (NCD/Mid/Tyne Coast/ East Durham)		Normally linked to "craft apprentices" entry level	Engineering operative / Institute for Apprenticeships and Technical Education
2	Lean Manufacturing Operative	ST0420	12	£6,000.00	NE - IOT (Sunderland/NAC)	Qualitrain (TB)	Under Review to include electrification - Needs Production Processes in place IE stad work, 5s, ilu, station observation, operator rotation	Lean manufacturing operative / Institute for Apprenticeships and Technical Education
2	Science Manufacturing Process Operative	ST0422	18	£6,000.00	TDR / TTE (Mid)		Not come across before	Science manufacturing process operative / Institute for Apprenticeships and Technical Education
2	Supply Chain Operator	ST0258	12	£3,000.00	NE - IOT (Mid) / Derwentside		Alternative to using LMO for Material Handling	Supply chain operator / Institute for Apprenticeships and Technical Education
2	Supply Chain Warehouse Operator	ST0259	12	£3,000.00	NE - IOT (Mid) / Derwentside		Alternative to using LMO for warehouse	Supply chain warehouse operative / Institute for Apprenticeships and Technical Education
3	Battery Manufacturing Technician	NA	NA	NA			Under development Porposal to IFATE November	
3	Business Administrator	ST0070	18	£5,000.00	NE - IOT (Sunderland / NAC/ NCD)		Under Review (Level 2 has been turned off)	Business administrator / Institute for Apprenticeships and Technical Education
3	Engineering Fitter	ST0432	42	£21,000.00	NE - IOT (Sunderland)			Engineering fitter / Institute for Apprenticeships and Technical Education
3	Engineering Technician	ST0437	42	£27,000.00	NE - IOT (NCD/NAC/Mid/Tyne Coast/ East Durham)		Under Review - Typical Multi skilled technician (nissan) 9. Machinist – Advanced Manufacturing Engineering 10. Mechatronics Maintenance Technician 11. Product Design and Development Technician 12. Toolmaker and Tool and Die Maintenance Technician 13. Technical Support Technician - 11 new pathways	Engineering technician / Institute for Apprenticeships and Technical Education
3	Improvement Technician	ST0193	12	£4,000.00	NE - IOT (NAC/Sunderland?)	Qualitrain (TB)	Follow on from LMO - Needs Improvement culture - Operator / Team Leader	https://www.instituteforapprenticeships.org/apprenticeship-standards/improvement-technician-v1-0
3	Maintenance & Operations Eng Tech	ST0154	36	£26,000.00	NE - IOT (NCD/Mid/Tyne Coast/ East Durham)/ TDR		Closely linked to Power, Oil and Gas	Maintenance and operations engineering technician / Institute for Apprenticeships and Technical Education
3	Procurement & Supply Chain Assistant	ST0810	18	£6,000.00			Purchasing Program	Procurement and supply assistant / Institute for Apprenticeships and Technical Education
3	Science Industry Maintenance Technician	ST0249	36	£27,000.00	TDR / SW Durham			Science industry maintenance technician / Institute for Apprenticeships and Technical Education
3	Science Manufacturing Technician	ST0250	27	£27,000.00	TDR / SW Durham			Science manufacturing technician / Institute for Apprenticeships and Technical Education
3	Supply Chain Practitioner	ST0201	30	£15,000.00			Really aimed at consumer goods but potential	Supply chain practitioner (fast moving consumer good) (previously Operator Manager) / Institute for Apprenticeships and Technical Education
3	Team Leader or Supervisor	ST0384	12	£4,500.00	NE-IOT (Middlesbough) / Derwentside	Qualitrain (TB)	Business and Admin route	Team leader or supervisor / Institute for Apprenticeships and Technical Education
3	Metrology Technician	ST0282	36	£24,000.00	??	??	Quality Assurance - Not one ive used	Metrology technician / Institute for Apprenticeships and Technical Education
4	Engineering Manufacturing Technician	ST0841	42	£21,000.00	NE - IOT (Sunderland)		Used by Marelli, Envision	Engineering manufacturing technician / Institute for Apprenticeships and Technical Education
4	Improvement Practitioner	ST0192	12 to 14	£6,000.00	NE - IOT (NAC/Sunderland?)	Qualitrain (TB)	Follow on from LMO - Needs Improvement culture - Moving into Team Leader / Supervisor	https://www.instituteforapprenticeships.org/apprenticeship-standards/improvement-practitioner-v1-0
4	Process Leader	ST0695	24	£11,000.00	TTE (subsidiary of Mid)		Used by BMW for people in Supervisory roles	Process leader / Institute for Apprenticeships and Technical Education
4	Quality Practitioner	ST0853	14	£6,000.00	Qualitrain (onsite)	Qualitrain (TB)	Qualitrain do onsite	Quality practitioner / Institute for Apprenticeships and Technical Education
5	Improvement Specialist	ST0555	14 to 18	£9,000.00	NE - IOT (NAC/Sunderland?)	Qualitrain (TB)	Follow on from LMO - Needs Improvement culture Supervisor / Senior	https://www.instituteforapprenticeships.org/apprenticeship-standards/improvement-specialist-v1-0
5	Operations Or Dept Manager	ST0385	30	£7,000.00	NE - IOT (NCD/Mid/Tyne Coast/ East Durham)			Operations or departmental manager / Institute for Apprenticeships and Technical Education
6	Improvement Leader	ST0556	18 - 24	£15,000.00	NE - IOT (NAC/Sunderland?)	Qualitrain (TB)	Follow on from LMO - Needs Improvement culture - Specialist - one or two people across a site or one per process	https://www.instituteforapprenticeships.org/apprenticeship-standards/improvement-leader-v1-0
6	Product Design and Development Engineer	ST0027	60	£27,000.00			Graduate under review D.George (Jag) Leading	Product design and development engineer (degree) / Institute for Apprenticeships and Technical Education
6	Science Industry Process and Plant Engineer	ST0473	60	£24,000.00				Science industry process and plant engineer (degree) / Institute for Apprenticeships and Technical Education
6	Senior Procurement and Supply Chain	NA	NA	NA			Under development 14/6/22	
6	Supply Chain Leadership	ST0548	48	£21,000.00			Graduate Program	Supply chain leadership professional (integrated degree) / Institute for Apprenticeships and Technical Education

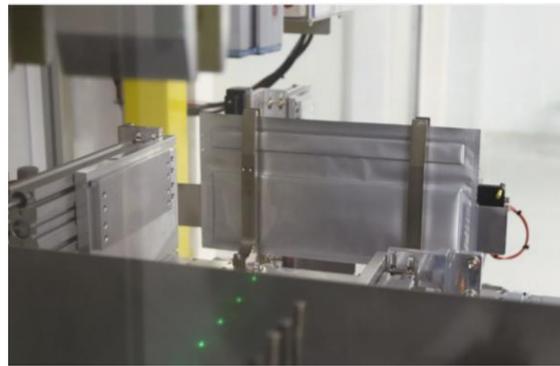
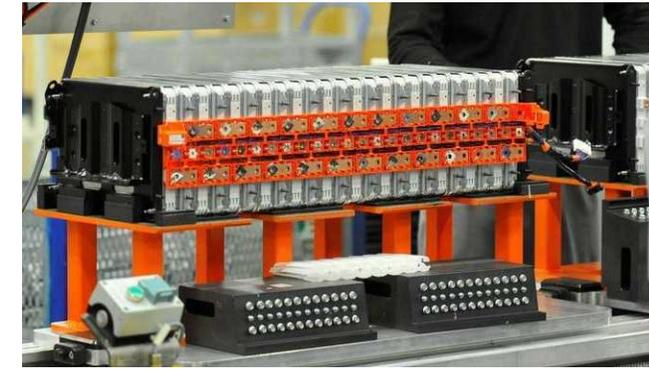
27 Standards from Level 2 – Level 6

Electrode

Cell Assembly

Formation Ageing & Testing

Pack and Module



Carbon Black /
NMP

Food / Paint
Manufacture



Clean and Dry room
Fast moving consumer goods



High temperature ageing
Condition monitoring /
Machine minding



Hazardous Voltage
Double gloved , face shield ,
insulated safety shoes

Skill Issues

- Significant investment in capitol equipment – HMI controlled, High Speed
- Skill drift – Level 2 job needing knowledge from higher levels – Level 2.2, 3.4 etc
- Dependent on where the person is working the operating regime can require people to work for extended periods with restrictive PPE
- National Electrification Skills group identified 7 Standards from Level 2 – 7 which could be amended to include electrification
 - Currently 1 completed and 1 review has started
- Traditional Skills still needed but ++
- Levels of automation and tolerances incredibly high
 - Tool and Cutter tolerances of 10 microns
 - Use of Laser welding, Ultrasonics, Bonding
- Increase in need for digital skills