

Personal Qualities and skills

- careful and methodical.
- Observe health and safety rules
- Good with your hands and able to follow written and spoken instructions.
- Basic number skills to make accurate measurements.
- Work can be tiring, so you must be physically fit.
- Be able to concentrate for long periods; some of the tasks can be repetitive.
- Able to work on their own, as well as being able to co-operate with others in the team.
- Good computer skills.

There are a number of major industrial estates in Clare/Limerick in which can be found some large manufacturing operations. These estates include Shannon , Gort Road Ennis, Raheen Limerick.

Application for recruitment can be made directly to the company which usually involves completion of an application form and /or CV. The process usually involves an interview and maybe an aptitude test.



Clare Adult Guidance and Information Service

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Manufacturing

Today, the manufacturing sector in Ireland employs 205,700 people directly and 400,000 people across all skills levels when indirect employment is taken into account. It is an integral part of Ireland's economic fabric, is a key driver of innovation, is a crucial player in Ireland's return to export-led growth and contributes to employment across all skills levels and in all regions throughout the country.

There is considerable promise for the sector in Ireland, with Forfás estimating the potential to create 43,000 direct new jobs by 2020. We know that this is not a given – and that an alternative scenario could see a continued loss in jobs in manufacturing.

However, it is clear that Ireland has a number of strengths on which to build. Ireland has strengths in a range of sectors including Food, Medical Devices, Pharma/BioPharma, ICT, Engineering and Green Technologies. Irish people are problem solvers, we are innovative, we are flexible and adaptable to change, and we can work in multi-disciplinary teams and with different cultures.

Manufacturing contributes significantly to Ireland's exports (at €78.5 billion in 2012) however a continued decline in employment over the past decade is a cause for concern, particularly in light of the high unemployment levels currently experienced in Ireland. Today there are 205,700 people directly employed in manufacturing.

The Action Plan for Jobs 2012 set out the overall ambition *to have 100,000 more people in work by 2016 and 2 million in work by 2020*. Within this ambitious context it is envisaged that 43,000 more people could be directly employed in manufacturing between 2011 and 2020⁴

Employment in Manufacturing by Occupation

<u>Occupation</u>	<u>Numbers Em- ployed 2012</u>	<u>%</u>
Managers, Directors	16, 900	8.2
Professional Occupations	20, 800	10.1
Associate Professionals, technical	29, 900	14.5
Administration, Secretarial	15, 700	7.6
Skilled Trades	44, 800	21.8
Sales, Customer Service related	4, 000	1.9
Machine Operatives	55, 100	26.8
Elementary Service and Admin	18, 600	9
Total	205, 800	100

Key Skills and Competencies Identified

Operatives, Technicians, crafts & supervisors

- Tool making, machinists, polymer technicians, skilled trade/technicians in mechanical, electrical & IT fields

Skills for Manufacturing Excellence

- Lean, automation & data analytics to support mfg. processes & R&D
- Engineering skills – validation, quality, automation & supply chain engineering specialisms; knowledge of polymers

Skills for enterprise & innovation

- Researcher innovation skills for product development
- Key person with industry-leading skills to drive business performance improvements

Manufacturing Related Courses – Further Education

Course Title	Provider	Qualification	Duration
Welding (Various)	Shannon Training Centre	Certificate in Welding	10 Weeks
Good Manufacturing Paractice	Shannon Training Centre	Level 5 (Minor)	10 Weeks
Metal and Wood Work	BTEI—LCETB	Level 4 in Enhanced General learning	6 Months
Milling and Turning	Limerick Training Centre	Level 4 Minor Award	10 weeks
Life Sciences Manufacturing	Contracted Training (course runs in Ennis)	Level 5 Minor Award	41 weeks
Welding, CAD	St Josephs Spanish Point	Level 4	10 weeks
Apprenticeships esp Electrical, fabrication, Toolmaking, and Fitter	FAS / Solas	Craft Certificate / Advanced Certificate	4 years (on and off the job training)

Manufacturing Related Courses – Higher Education

Course Title	Provider	Qualification	Duration
Engineering— Manufacturing	Griffith College, limerick	Level 6	2 years.
Mechanical Engineering	LIT and UL	Level 7 and 8	3 and 4 years

Other useful part time courses for manufacturing include, Health & Safety, Manual Handling, Safe Pass, Fork Lift, Lean and Sigma Six and Quality Control certification.