

Industry Overview

Emsi Q2 2021 Data Set

September 2021

Parameters

Industries:

237 items selected. See Appendix A for details.

Regions:

Code	Description
E06000015	Derby

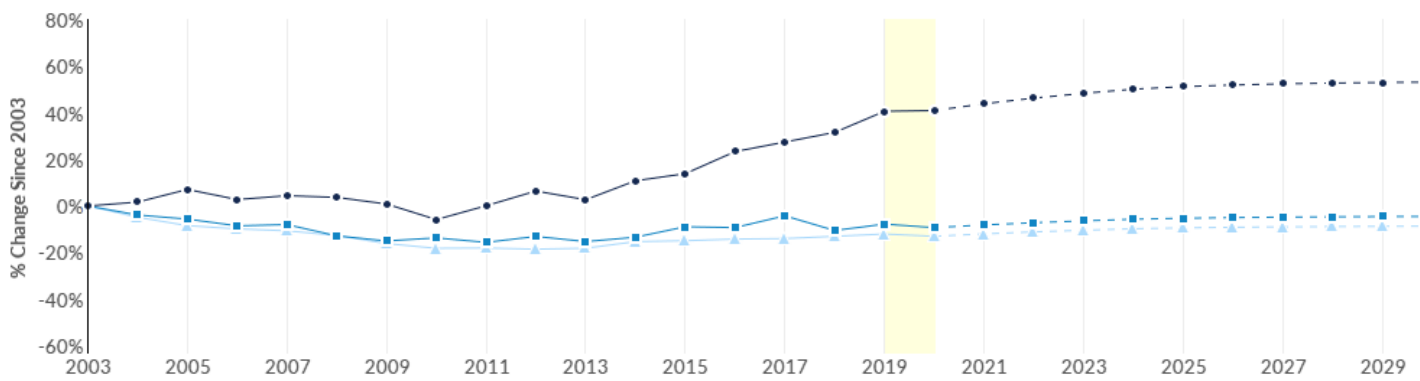
Timeframe: 2019 - 2020

Datarun: 2021.2 - Employees

Industry Summary for Engineering and Electronic Engineering Industries

<p>33,115 Jobs (2020) 136% above National average</p>	<p>+0.2% % Change (2019-2020) Nation: -1.1%</p>	<p>£44,398 Avg. Wages Per Job (2020) Nation: £35,117</p>
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Regional Trends



Region	2019 Jobs	2020 Jobs	Change	% Change
● Region	33,044	33,115	71	0.2%
■ East Midlands	309,567	304,546	-5,021	-1.6%
▲ Nation	3,044,088	3,010,101	-33,987	-1.1%

Occupations Employed by these Industries

Description	Employed in Industry Group (2020)	% of Total Jobs in Industry Group (2020)
Production Managers and Directors in Manufacturing	1,780	5.4%
Metal Working Production and Maintenance Fitters	1,430	4.3%
Engineering Technicians	1,339	4.0%
Engineering Professionals n.e.c.	1,275	3.9%
Mechanical Engineers	1,244	3.8%

National Industry Gender Breakdown



Gender	2018 Jobs
Males	74.7%
Females	25.3%

National Industry Age Breakdown



Age	2018 Jobs
16-24	9.1%
25-34	24.2%
35-44	22.4%
45-54	25.3%
55-64	16.7%
65+	2.4%

Gross Value Added (GVA)

£1.3b Earnings (2018)	£251.7m Capital Income (2018)	-£62.4m Taxes on Production less Subsidies (2018)	£1.5b Total GVA (2018)
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Industry Requirements

Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Manufacture of air and spacecraft and related machinery	£150,303,233	£6,030	£150,309,263
Other monetary intermediation	£25,189,648	£108,016,830	£133,206,478
Engineering activities and related technical consultancy	£22,402,935	£80,646,959	£103,049,893
Distribution of electricity	£68,278,477	£9,443,538	£77,722,015
Manufacture of basic iron and steel and of ferro-alloys	£131,348	£70,457,372	£70,588,720

Appendix A - Industries

Code	Description
1011	Processing and preserving of meat
1012	Processing and preserving of poultry meat
1013	Production of meat and poultry meat products
1020	Processing and preserving of fish, crustaceans and molluscs
1031	Processing and preserving of potatoes
1032	Manufacture of fruit and vegetable juice
1039	Other processing and preserving of fruit and vegetables
1041	Manufacture of oils and fats
1042	Manufacture of margarine and similar edible fats
1051	Operation of dairies and cheese making
1052	Manufacture of ice cream
1061	Manufacture of grain mill products
1062	Manufacture of starches and starch products
1071	Manufacture of bread; manufacture of fresh pastry goods and cakes
1072	Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes
1073	Manufacture of macaroni, noodles, couscous and similar farinaceous products
1081	Manufacture of sugar
1082	Manufacture of cocoa, chocolate and sugar confectionery
1083	Processing of tea and coffee
1084	Manufacture of condiments and seasonings
1085	Manufacture of prepared meals and dishes
1086	Manufacture of homogenised food preparations and dietetic food

Code	Description
2370	Cutting, shaping and finishing of stone
2391	Production of abrasive products
2399	Manufacture of other non-metallic mineral products n.e.c.
2410	Manufacture of basic iron and steel and of ferro-alloys
2420	Manufacture of tubes, pipes, hollow profiles and related fittings, of steel
2431	Cold drawing of bars
2432	Cold rolling of narrow strip
2433	Cold forming or folding
2434	Cold drawing of wire
2441	Precious metals production
2442	Aluminium production
2443	Lead, zinc and tin production
2444	Copper production
2445	Other non-ferrous metal production
2446	Processing of nuclear fuel
2451	Casting of iron
2452	Casting of steel
2453	Casting of light metals
2454	Casting of other non-ferrous metals
2511	Manufacture of metal structures and parts of structures
2512	Manufacture of doors and windows of metal
2521	Manufacture of central heating radiators and boilers
2529	Manufacture of other tanks, reservoirs and containers of metal

1089	Manufacture of other food products n.e.c.
1091	Manufacture of prepared feeds for farm animals
1092	Manufacture of prepared pet foods
1101	Distilling, rectifying and blending of spirits
1102	Manufacture of wine from grape
1103	Manufacture of cider and other fruit wines
1104	Manufacture of other non-distilled fermented beverages
1105	Manufacture of beer
1106	Manufacture of malt
1107	Manufacture of soft drinks; production of mineral waters and other bottled waters
1200	Manufacture of tobacco products
1310	Preparation and spinning of textile fibres
1320	Weaving of textiles
1330	Finishing of textiles
1391	Manufacture of knitted and crocheted fabrics
1392	Manufacture of made-up textile articles, except apparel
1393	Manufacture of carpets and rugs
1394	Manufacture of cordage, rope, twine and netting
1395	Manufacture of non-wovens and articles made from non-wovens, except apparel
1396	Manufacture of other technical and industrial textiles
1399	Manufacture of other textiles n.e.c.
1411	Manufacture of leather clothes
1412	Manufacture of workwear
1413	Manufacture of other outerwear
1414	Manufacture of underwear

2530	Manufacture of steam generators, except central heating hot water boilers
2540	Manufacture of weapons and ammunition
2550	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
2561	Treatment and coating of metals
2562	Machining
2571	Manufacture of cutlery
2572	Manufacture of locks and hinges
2573	Manufacture of tools
2591	Manufacture of steel drums and similar containers
2592	Manufacture of light metal packaging
2593	Manufacture of wire products, chain and springs
2594	Manufacture of fasteners and screw machine products
2599	Manufacture of other fabricated metal products n.e.c.
2611	Manufacture of electronic components
2612	Manufacture of loaded electronic boards
2620	Manufacture of computers and peripheral equipment
2630	Manufacture of communication equipment
2640	Manufacture of consumer electronics
2651	Manufacture of instruments and appliances for measuring, testing and navigation
2652	Manufacture of watches and clocks
2660	Manufacture of irradiation, electromedical and electrotherapeutic equipment
2670	Manufacture of optical instruments and photographic equipment
2680	Manufacture of magnetic and optical media

1419	Manufacture of other wearing apparel and accessories
1420	Manufacture of articles of fur
1431	Manufacture of knitted and crocheted hosiery
1439	Manufacture of other knitted and crocheted apparel
1511	Tanning and dressing of leather; dressing and dyeing of fur
1512	Manufacture of luggage, handbags and the like, saddlery and harness
1520	Manufacture of footwear
1610	Sawmilling and planing of wood
1621	Manufacture of veneer sheets and wood-based panels
1622	Manufacture of assembled parquet floors
1623	Manufacture of other builders' carpentry and joinery
1624	Manufacture of wooden containers
1629	Manufacture of other products of wood; manufacture of articles of cork, straw and plaiting materials
1711	Manufacture of pulp
1712	Manufacture of paper and paperboard
1721	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1722	Manufacture of household and sanitary goods and of toilet requisites
1723	Manufacture of paper stationery
1724	Manufacture of wallpaper
1729	Manufacture of other articles of paper and paperboard
1811	Printing of newspapers
1812	Other printing

2711	Manufacture of electric motors, generators and transformers
2712	Manufacture of electricity distribution and control apparatus
2720	Manufacture of batteries and accumulators
2731	Manufacture of fibre optic cables
2732	Manufacture of other electronic and electric wires and cables
2733	Manufacture of wiring devices
2740	Manufacture of electric lighting equipment
2751	Manufacture of electric domestic appliances
2752	Manufacture of non-electric domestic appliances
2790	Manufacture of other electrical equipment
2811	Manufacture of engines and turbines, except aircraft, vehicle and cycle engines
2812	Manufacture of fluid power equipment
2813	Manufacture of other pumps and compressors
2814	Manufacture of other taps and valves
2815	Manufacture of bearings, gears, gearing and driving elements
2821	Manufacture of ovens, furnaces and furnace burners
2822	Manufacture of lifting and handling equipment
2823	Manufacture of office machinery and equipment (except computers and peripheral equipment)
2824	Manufacture of power-driven hand tools
2825	Manufacture of non-domestic cooling and ventilation equipment
2829	Manufacture of other general-purpose machinery n.e.c.

1813	Pre-press and pre-media services
1814	Binding and related services
1820	Reproduction of recorded media
1910	Manufacture of coke oven products
1920	Manufacture of refined petroleum products
2011	Manufacture of industrial gases
2012	Manufacture of dyes and pigments
2013	Manufacture of other inorganic basic chemicals
2014	Manufacture of other organic basic chemicals
2015	Manufacture of fertilisers and nitrogen compounds
2016	Manufacture of plastics in primary forms
2017	Manufacture of synthetic rubber in primary forms
2020	Manufacture of pesticides and other agrochemical products
2030	Manufacture of paints, varnishes and similar coatings, printing ink and mastics
2041	Manufacture of soap and detergents, cleaning and polishing preparations
2042	Manufacture of perfumes and toilet preparations
2051	Manufacture of explosives
2052	Manufacture of glues
2053	Manufacture of essential oils
2059	Manufacture of other chemical products n.e.c.
2060	Manufacture of man-made fibres
2110	Manufacture of basic pharmaceutical products
2120	Manufacture of pharmaceutical preparations

2830	Manufacture of agricultural and forestry machinery
2841	Manufacture of metal forming machinery
2849	Manufacture of other machine tools
2891	Manufacture of machinery for metallurgy
2892	Manufacture of machinery for mining, quarrying and construction
2893	Manufacture of machinery for food, beverage and tobacco processing
2894	Manufacture of machinery for textile, apparel and leather production
2895	Manufacture of machinery for paper and paperboard production
2896	Manufacture of plastics and rubber machinery
2899	Manufacture of other special-purpose machinery n.e.c.
2910	Manufacture of motor vehicles
2920	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
2931	Manufacture of electrical and electronic equipment for motor vehicles
2932	Manufacture of other parts and accessories for motor vehicles
3011	Building of ships and floating structures
3012	Building of pleasure and sporting boats
3020	Manufacture of railway locomotives and rolling stock
3030	Manufacture of air and spacecraft and related machinery
3040	Manufacture of military fighting vehicles
3091	Manufacture of motorcycles
3092	Manufacture of bicycles and invalid carriages

2211	Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres	3099	Manufacture of other transport equipment n.e.c.
2219	Manufacture of other rubber products	3101	Manufacture of office and shop furniture
2221	Manufacture of plastic plates, sheets, tubes and profiles	3102	Manufacture of kitchen furniture
2222	Manufacture of plastic packing goods	3103	Manufacture of mattresses
2223	Manufacture of builders' ware of plastic	3109	Manufacture of other furniture
2229	Manufacture of other plastic products	3211	Striking of coins
2311	Manufacture of flat glass	3212	Manufacture of jewellery and related articles
2312	Shaping and processing of flat glass	3213	Manufacture of imitation jewellery and related articles
2313	Manufacture of hollow glass	3220	Manufacture of musical instruments
2314	Manufacture of glass fibres	3230	Manufacture of sports goods
2319	Manufacture and processing of other glass, including technical glassware	3240	Manufacture of games and toys
2320	Manufacture of refractory products	3250	Manufacture of medical and dental instruments and supplies
2331	Manufacture of ceramic tiles and flags	3291	Manufacture of brooms and brushes
2332	Manufacture of bricks, tiles and construction products, in baked clay	3299	Other manufacturing n.e.c.
2341	Manufacture of ceramic household and ornamental articles	3311	Repair of fabricated metal products
2342	Manufacture of ceramic sanitary fixtures	3312	Repair of machinery
2343	Manufacture of ceramic insulators and insulating fittings	3313	Repair of electronic and optical equipment
2344	Manufacture of other technical ceramic products	3314	Repair of electrical equipment
2349	Manufacture of other ceramic products	3315	Repair and maintenance of ships and boats
2351	Manufacture of cement	3316	Repair and maintenance of aircraft and spacecraft
2352	Manufacture of lime and plaster	3317	Repair and maintenance of other transport equipment
2361	Manufacture of concrete products for construction purposes	3319	Repair of other equipment
2362	Manufacture of plaster products for construction purposes	3320	Installation of industrial machinery and equipment
2363	Manufacture of ready-mixed concrete	3512	Transmission of electricity
		3513	Distribution of electricity

2364	Manufacture of mortars
2365	Manufacture of fibre cement
2369	Manufacture of other articles of concrete, plaster and cement

3521	Manufacture of gas
3522	Distribution of gaseous fuels through mains
3530	Steam and air conditioning supply
7112	Engineering activities and related technical consultancy
7120	Technical testing and analysis

Appendix B

Engineering and Electronic Engineering Industries in Derby

Appendix C - Data Sources and Calculations

Input-Output Data

This report contains data from Emsi's Input-Output model. It is based on data from Office for National Statistics's Input-Output supply and use tables, Census flows data, UK Business Counts from BRES, and several Emsi in-house data sets.