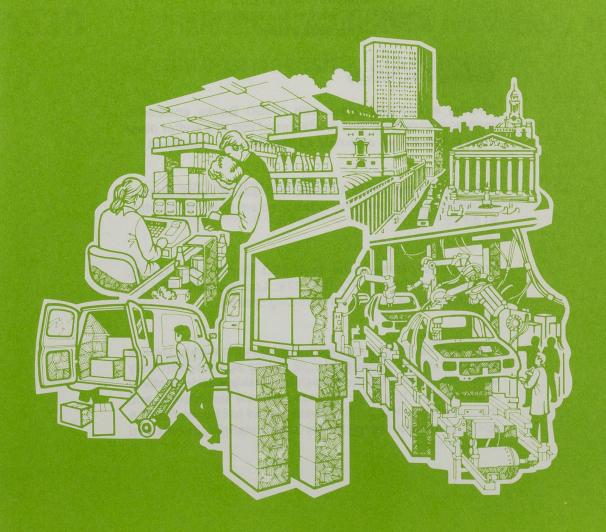


Business Monitor

1992 Report on the Census of Production

PA330

Manufacture of office machinery and data processing equipment



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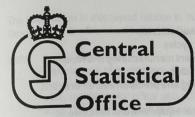
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Report on the Census of Production 1992

PA330

Manufacture of office machinery and data processing equipment

BUSINESS MONITOR

A publication of the Government Statistical Service

Presented by the Chancellor of the Exchequer to Parliament in pursuance of the Statistics of Trade Act 1947 (10 & 11 Geo.6 Cha.39 sec 7)

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PA361	Shipbuilding and repairing		

PA330 MANUFACTURE OF OFFICE MACHINERY AND DATA PROCESSING EQUIPMENT

PA330

The information in this report relates to businesses classified to the Manufacture of office machinery and data processing equipment industry, Group 330 in the Standard Industrial Classification Revised 1980. The industry Group covers the following Activity Headings:-

3301 Office machinery

Manufacture of typewriters, duplicating machines, adding machines, calculating machines, cash registers, electronic desk calculators, non-electronic data processing and handling equipment, book-keeping machines, mail handling machines, ticket issuing machines and other machines for office use. Dictating machines are classified to Group 345. Offset litho duplicating machines are classified to Group 327. Document copiers and microfilms equipment are classified to Group 373. Facsimile transmission machines are classified to Group 344.

3302 Electronic data processing equipment

Manufacture of digital, analogue and hybrid electronic computer equipment and systems (except those which are not separable from industrial process control systems, which are classified to Group 344). This heading includes the manufacture of computer sub-assemblies and peripheral equipment.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which commence on page 4.

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EXPLANATORY NOTES AND DEFINITIONS THE REGISTER INTRODUCTION

- These notes give basic information to help with the interpretation of tables in this Industry Report. More general information about the Census is given in a separate Business Monitor - Report on the Census of Production, Introductory Notes (PA1001).
- Since 1980, Censuses have been conducted on the Standard Industrial Classification Revised 1980 SIC(80). The Standard Industrial Classification exists to promote uniformity and comparability in the official statistics of the United Kingdom. SIC(80) is the result of an attempt to align the United Kingdom classification with the General Industrial Classification of Economic Activities within the European Communities (NACE). It is based on activity rather than commodities produced. A full description of SIC(80) is given in Standard Industrial Classification Revised 1980, obtainable from HMSO, price £4.25.
- In 1990, however, the first revision of NACE was made by EC regulation. This regulation makes it necessary for the UK to introduce a new Standard Industrial Classification, SIC(92), based on NACE Rev 1. The regulation guarantees comparability between national and Community classifications and therefore between national and Community statistics. Full details of SIC(92) are given in 'Standard Industrial Classification 1992, obtainable from HMSO, price £17.50, reference ISBN 0 11 620551 2.

The first Census to be conducted on the basis of SIC(92) will be that for 1993. Business monitors published in respect of 1993 will contain data for that year only. However, a limited range of 1991 and 1992 data reworked to SIC(92) Section and Sub-Section level will be published as a supplement to the Census Summary Volume (PA1002).

REPORTING UNIT

- From the earliest censuses of production until that for 1986 the reporting unit to the census was the establishment. This was defined as the smallest unit which could provide the full range of data required for an economic census. Establishments were asked where possible to exclude from their returns to the census any non-production activity.
- In 1987, for a number of administrative and statistical reasons, a new system of company-based reporting was introduced. Under the new system the reporting unit to the census is, generally, the company, but there are some exceptions. These arise, for example, for large mixed activity companies which are asked to make separate returns to the census for each of their production activities on an establishment basis. Throughout this monitor this mixture of reporting units are referred to as "businesses". These businesses are no longer asked to exclude non-production activities.
- In practice, since most businesses, both before and after the change, reported for the company as a whole, little difference to the main economic series has resulted from the change.
- For most businesses, the returned data are appropriate to a single activity heading of SIC(80) and fall within a single geographical region. Where information covers a mixture of activities, the business is classified according to the main activity. Where the business operates at a number of different addresses then, in order to enable regional data to be compiled, separate information on employment and capital expenditure is sought for each address.

- A register of businesses throughout the United Kingdom is held on the CSO computer and provides the basis for CSO inquiries. For each business the register contains identification particulars and information about its eligibility for inclusion in an inquiry, its relationship with other businesses in common ownership, its industrial classification, the nationality of its parent and location indicators for regional analyses. Regional and size analyses of manufacturing units are published in Business Monitor PA1003 - Size analyses of United Kingdom businesses.
- The Annual Census and other CSO inquiries provide a major source of information for checking the register and updating employment data. Where businesses do not make returns to these inquiries, estimates of employment are imputed from VAT turnover. For businesses which have an imputed employment of 11 or more, the estimates are checked by means of register proving forms. For businesses on the register making returns to the Quarterly or Annual Sales Inquiries, industrial classification is reviewed annually and is derived from an analysis of their commodity sales. For other businesses the classification is obtained either from VAT sources or from the register proving forms. Estimates of employment made by the CSO and the Department of Employment differ because they are derived from two separate inquiries and use different procedures and employment definitions.

- The Census covers United Kingdom businesses engaged in industrial production, ie mining and quarrying, manufacturing, construction, and gas, electricity and water supply industries (Divisions 1 to 5 of SIC(80)). Businesses in the Channel Islands and the Isle of Man are excluded.
- Under the sampling arrangements agreed for the 1992 Census, forms were despatched to all businesses with 100 or more employed and, for most production industries, samples of 1 in 4 and 1 in 2 respectively being taken for businesses in the 20 to 49 and 50 to 99 employment size bands. It was necessary to increase the sample in those industries where there were few businesses in the sample size band or where response in earlier years was poor. About 15,700 forms were despatched in the United Kingdom for the 1992 Census.

PERIOD COVERED

Businesses were asked to make returns for the calendar year 1992 but, where this was not possible, returns for business years ending between 6 April 1992 and 5 April 1993 were accepted. Returns covering fewer than twelve months were accepted for businesses which had started or ceased trading during the year.

FSTIMATION

- All published Census results include estimates for non-responders, unsatisfactory returns and businesses not selected for the Census. Estimates are also made for items not covered in the shorter form sent to smaller businesses.
- Within employment size groups in each industry, the "average per head" is calculated for each census variable by dividing the total returned value for each variable by the total returned employment. This value is multiplied by the employment thought to exist in each non-responding or non-selected business to yield an estimated value for

that business. Estimates for items not collected on the shorter form are made in a similar way using returned employment.

- The accuracy of the totals produced by adding together estimates and returned data is mainly dependent on the level of response. The extent to which businesses making satisfactory returns account for the total employment of any industry is shown as a percentage in footnote (a) to table 1. Thus the accuracy of the data published in an Industry Report where 95 per cent of the employment in the industry is covered by the returns made will, in general, be better than that in an Industry Report where the coverage is only 70 per cent.
- Additionally, the extent to which individual headings in an Industry Report are related to employment should be taken into account in assessing the accuracy of estimated data. Thus an estimate of total earnings which bears a close relationship to total employment is likely to be more accurate than an estimate of capital expenditure where the relationship to employment is not so clearly marked.

SUPPRESSION OF INFORMATION RELATING TO INDIVIDUAL

Sub-section 9(5)(b) of the Statistics of Trade Act 1947 states that:

"The following provisions shall have effect with respect to any report, summary or other communication to the public of information obtained under the foregoing provisions of this Act -

> in compiling any such report, summary or communication the competent authority shall so arrange it as to prevent any particulars published therein from being identified as being particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying on that undertaking, as the case may be; but this provision shall not prevent the disclosure of the total quantity or value of any articles produced, sold or delivered; so, however, that before disclosing any such total the competent authority shall have regard to any representations made to them by any person who alleges that the disclosure thereof would enable particulars relating to him or to an undertaking carried on by him to be deducted from the total

Figures which would be likely to disclose particulars relating to an individual undertaking are not published unless the contributor has given written consent for their publication.

CHANGES MADE FOR 1992

The 1992 census like that for 1991 was a slimline one. An additional question identifying those businesses with employees engaged in Research and Development work was included and the break down on capital and current costs associated with pollution prevention and solid waste management, introduced for the 1991 census, was retained. As part of the CSO's efforts to reduce the form filling burden on industry, the breakdown of questions on capital expenditure and stocks were excluded. Data for these variables in the 1992 results have been estimated from information collected in the CSO Quarterly Capital Expenditure and Stocks Inquiries.

SYMBOLS USED

- The following symbols are used throughout the PA series of Business Monitors:
 - .. not available
 - nil or less than half the final digit
 - information suppressed to avoid disclosure
 - R revised

ROUNDING OF FIGURES

Figures in the tables have been rounded to the nearest final digit where necessary and, in these instances, the sum of the constituent items may not always agree exactly with the total shown.

EXPLANATION OF TERMS USED IN THE CENSUS REPORT

The notes and definitions given in this section are based on the instructions given to respondents as to the way in which returns were to be

CAPITAL EXPENDITURE

This represents the value charged to capital account together with any other amounts which ranked as capital items for taxation purposes during the year to which each return related. From 1988 contributors were asked to include the value of assets acquired as lessees under finance leasing arrangements. The value is inclusive of any amounts received or expected to be received in grants and/or allowances from government sources, statutory bodies or local authorities. Capital expenditure during the vear in respect of production units where production had not started before the end of the year and the value of CAPITAL GOODS PRODUCED FOR USE WITHIN THE BUSINESS by its own staff are included. The value of any assets acquired in taking over an existing business is excluded. The figures include nondeductible VAT but exclude deductible VAT. No allowance is made for depreciation, amortisation or obsolescence.

on LAND AND EXISTING BUILDINGS

This represents the value of freeholds and the value or premium payable or receivable for leaseholds acquired or disposed of. The figures for acquisitions include architects' and surveyors' fees, legal fees, stamp duties, agents' commissions and Land Registry fees. The figures for disposals are net of any such professional fees payable.

on NEW BUILDING WORK

This represents the value of new building and other constructional work such as the extension and reconstruction of old buildings, and the value of any newly constructed buildings acquired. The figures include architects' and surveyors' fees, legal fees, stamp duties, agents' commissions and Land Registry fees.

on PLANT AND MACHINERY, VEHICLES

This represents the value of new and secondhand plant and machinery and vehicles acquired or disposed of. The figures for acquisitions are net of any discounts received but include the cost of transport and installation and Customs and Excise car tax. The figures for disposals exclude amounts written off for capital assets which are scrapped.

CAPITAL GOODS PRODUCED FOR USE WITHIN THE BUSINESS

27. This represents the value of all work of a capital nature carried out during the year by the staff of, and for use in, the businesses covered by the returns.

COST OF INDUSTRIAL SERVICES RECEIVED

28. This includes amounts payable to other organisations for work done on materials supplied by the business completing the return, for repairs and maintenance including those in respect of rented buildings, and for contracts which have been sublet. Direct payments to outworkers and amounts charged to capital account are excluded.

COST OF NON-INDUSTRIAL SERVICES RECEIVED

Up to 1987 contributors were asked to include annual payments for assets acquired on a finance leasing basis. From 1988 they were asked to include the total value of such assets as capital expenditure during the year in which they were acquired. The cost of non-industrial services received includes commercial insurance premiums, bank charges and amounts payable to other organisations for the hire of vehicles, plant and machinery, for the rent of industrial and commercial buildings, for the services of accountants, auditors, agents, solicitors and surveyors other than in connection with the acquisition or disposal of capital assets, for postal and telecommunications services, for carriage by all forms of transport within the United Kingdom, for advertising, market research etc, for the right to use patents, trade marks, copyrights etc, for manufacturing and quarrying rights and technical knowledge. Interest payments and amounts payable for sea and air freight on goods exported and on materials and fuel imported are excluded.

EMPLOYERS' NATIONAL INSURANCE CONTRIBUTIONS ETC

30. This includes employers' national insurance contributions under the Social Security Pensions Act 1975, commercial insurance premiums for policies providing pensions, superannuation or other retirement benefits, sickness benefits, personal accident benefits, disability benefits or death benefits for employees, including former employees, or their dependants. Also included are contributions to canteens, social centres, children's and holiday homes etc and the cost of supplying luncheon vouchers.

EMPLOYMENT

31. This is the average number of ADMINISTRATIVE, TECHNICAL AND CLERICAL EMPLOYEES AND OPERATIVES on the payroll and the number of WORKING PROPRIETORS employed during the year of return. Full-time and part-time employees are included but outworkers (ie people who worked in their own homes on materials supplied by the business) and casual employees such as jobbers are excluded. The average number of employees returned by individual businesses may have been calculated by, for example, the average of the number of employees on the payroll for the last week of each calendar month.

a. ADMINISTRATIVE, TECHNICAL AND CLERICAL EMPLOYEES

32. This includes directors who received a definite wage, salary or commission, managers, foremen, draughtsmen, editorial and advertising staff, travellers, all office employees and research and design employees except operatives.

b. OPERATIVES

33. This includes all manual wage earners including operatives in power stations, operatives engaged in outside work of erecting, fitting etc, inspectors, maintenance workers and cleaners. Staff engaged in transport (including roundsmen) and employed in warehouses, stores, shops and canteens are included.

c. WORKING PROPRIETORS

34. These are people who are regarded as selfemployed for national insurance purposes, members of their families who worked in the business without receiving a definite wage or salary for at least half the normal working hours and directors who worked in the business but did not receive a definite wage, salary or commission. Part-time Directors paid by fee only and directors who received a definite wage, salary or commission are excluded.

ENTERPRISE

35. This is defined as one or more businesses under common ownership or control.

GROSS OUTPUT

36. This is calculated by adjusting the value of TOTAL SALES AND WORK DONE by the changes during the year of WORKING PROGRESS and GOODS ON HAND FOR SALE.

GROSS VALUE ADDED AT FACTOR COST

37. This is calculated by deducting from NET OUTPUT the COST OF NON-INDUSTRIAL SERVICES RECEIVED, RATES and the cost of LICENSING OF MOTOR VEHICLES. This estimate of gross value added approaches more closely than NET OUTPUT the definition of net output or value added in national accounts statistics.

GROSS VALUE ADDED AT FACTOR COST PER HEAD

38. This is calculated by dividing GROSS VALUE ADDED AT FACTOR COST by total EMPLOYMENT.

NET CAPITAL EXPENDITURE

39. This is calculated by adding to the value of NEW BUILDING WORK acquisitions less disposals of LAND AND EXISTING BUILDINGS, VEHICLES and PLANT AND MACHINERY.

NET OUTPUT

40. This is calculated by deducting from GROSS OUTPUT the cost of PURCHASES OF MATERIALS FOR USE IN PRODUCTION AND PACKAGING AND FUEL and PURCHASES OF GOODS FOR MERCHANTING OR FACTORING, the COST OF INDUSTRIAL SERVICES RECEIVED and is adjusted for net duties and levies etc where applicable. Purchases are adjusted for changes during the year of STOCKS OF MATERIALS, STORES AND FUEL.

NET OUTPUT PER HEAD

41. This is calculated by dividing NET OUTPUT by total $\ensuremath{\mathsf{EMPLOYMENT}}.$

NON-INDUSTRIAL SERVICES RENDERED

42. This includes amounts charged for the hire of vehicles, plant and machinery, for the rent of industrial and commercial buildings, for the right to use patents, trade marks, copyrights etc, for manufacturing and quarrying rights, for technical know-how and for the provision of transport to other organisations. It also includes revenue from staff facilities such as canteens.

OPERATING RATIOS

43. These ratios are calculated using industry totals, ie including the estimates for businesses not responding to or not selected for the Census. Respondents are able to compare the ratios for their own businesses with those for the industry as a whole.

PURCHASES OF MATERIALS FOR USE IN PRODUCTION, AND PACKAGING AND FUEL. PURCHASES OF GOODS FOR MERCHANTING OR FACTORING

These include the cost of raw materials, components, semi-manufactured goods and workshop materials, replacement parts and consumable tools not charged to capital account, packaging materials of all types, stationery and printed matter, fuel, electricity and water, materials of all types used by the business or given out to others, for the production of machinery or other capital items used in the business, and materials used when working on goods supplied by customers. The figures exclude VAT, purchases of machinery and plant, which are included in CAPITAL EXPENDITURE, and amounts payable to transport firms or credited to the business's own transport departments for delivery of materials. The figures are net of the value of goods or packaging materials returned to suppliers and trade discounts receivable. Materials purchased duty-paid are included at their duty-paid value less drawbacks, rebates etc. Imported goods are included at their full delivered cost. If the transport from docks or airport of imported goods is not included in the cost of goods purchased, the cost is entered at cif plus duty, if applicable. Transfers of goods from other departments of the business not covered by the return are included at the estimated selling value recorded by the other departments.

REMUNERATION PAID TO OUTWORKERS

45. This represents amounts paid to outworkers, ie people who do work in their own homes generally on a piece-work basis, whose names appear on the payroll. Amounts paid to outworkers by subcontractors are included in the COST OF INDUSTRIAL SERVICES RECEIVED. Estimates are not made for remuneration of outworkers for businesses not completing Census returns.

SALES OF GOODS PRODUCED

This represents sales of goods during the year, whether or not they were produced in the year of the return. It also includes sales of goods made from materials given out to other firms or to outworkers and sales of waste products and residues. The value of sales is the 'net selling value', ie the amount charged to customers whether valued 'ex-works' or 'delivered' less VAT, trade discounts, agents' commissions etc and allowances on returned goods. Where products attract Excise duty, the value includes duty if the goods are sold 'duty-paid', but excludes it if they are sold in bond or exported. The cost of packaging materials less allowances for returnable containers is included. Sales of fixed assets and exceptional receipts are excluded. Transfers of goods produced by a business to departments not covered by the return (including other businesses in the same enterprise group) are treated as sales, valued as if sold to an independent purchaser.

STOCKS

47. This represents the value of goods on hand for sale, including goods for merchanting or factoring and of materials, stores and fuel held by businesses, whether held in the United Kingdom or

abroad. Values include any duty payable but exclude VAT.

WAGES AND SALARIES

48. This represents amounts paid during the year to ADMINISTRATIVE, TECHNICAL AND CLERICAL EMPLOYEES and to OPERATIVES. All overtime payments, bonuses, commissions, holiday pay and redundancy payments, less any amounts reimbursed for this purpose from government sources, are included. No deduction is made for income tax or employees' national insurance contributions etc. Payments to WORKING PROPRIETORS, payments in kind, travelling expenses, lodging allowances etc and EMPLOYERS' NATIONAL INSURANCE CONTRIBUTIONS ETC are excluded.

WORK DONE AND INDUSTRIAL SERVICES RENDERED

This includes amounts charged for work carried out including that done by sub-contractors on customers' materials and amounts charged for materials supplied in the course of such work. Industrial services such as repairs and maintenance, installation work and technical research and studies rendered to other organisations is also included. For certain industries this heading covers a wide variety of activities, for example, butter packed on commission in the food industries, making up of garments, fur dressing and textile finishing in the textile industries, and preparatory work on typesetting, block making and binding in the printing and publishing industries. Work done is an important part of the activities of the electrical machinery and heavy engineering industries, and includes erection, installation and repair and jobbing work.

WORK IN PROGRESS

50. This represents materials which have been partially processed and are awaiting further processing before being sold or transferred. Progress payments made to sub-contractors are excluded and progress payments received from other organisations are not deducted.

Output and costs, 1988-1992 All United Kingdom businesses classified to the industry (a)

The second of th	Unit	1988	1989	1990	1991(b)	1992
Enterprise groups	Number	1, 275	1, 262	1, 158	1, 131	1, 330
Businesses		1, 321	1, 296	1, 190	1, 155	1, 354
Sales of goods produced	£ million	5, 159. 8	5, 694. 6	6, 010. 2	5, 863. 7	5, 910. 9
Work done and industrial services rendered		879. 4	1, 008. 3	1, 114. 1	1, 448. 2	1, 716. 5
Capital goods produced for use within the business	1878 STS ST	3. 0	1. 9	0. 6	1.3	11.1
Non-industrial services rendered		79. 0	104. 4	134. 2	74. 1	80. 7
Goods merchanted or factored	rabulant e	628. 6	988. 7	904. 8	961. 0	979. 7
Total sales and work done	2180-9326	6, 749. 9	7, 797. 9	8, 163. 7	8, 348. 2	8, 699. 0
Increase during the year, work in progress and goods on hand for sale		20. 8	34. 2	145. 9	-58. 6	36. 7
Gross output	near an mental	6, 770. 7	7, 832. 0	8, 309. 6	8, 289. 6	8, 735. 6
Purchases of materials for use in pro- duction, packaging and fuel	197	3, 324. 4	3, 838. 1	4, 258. 2	4, 132. 6	4, 982. 7
Purchases of goods for merchanting or factoring	"	479. 9	799. 6	682. 0	598. 8	654. 4
ncrease during the year, stocks of materials, stores and fuel	12 1	50. 6	50. 3	41. 3	13. 2	44. 1
Cost of industrial services received	no de Cladao Maria	158. 0	181. 2	220. 0	584. 2	435. 3
Net output	11	2, 858. 9	3, 063. 4	3, 190. 8	2, 987. 2	2, 707. 3
Total employment	Thousand	55. 2	55. 8	55. 5	64. 4	64. 3
Net output per head	£	51, 835	54, 937	57, 486	46, 384	42, 126
Cost of non-industrial services received						
Hire of vehicles, plant and machinery	£ million	37. 3	39. 5	56. 8	107. 2	87. 6
Rents of industrial and commercial buildings		30. 0	33. 5	51. 7	75. 2	99. 6
Commercial insurance premiums	"	10. 7	12. 0	14. 0	18. 4	18. 1
Bank charges		1. 5	1.8	2. 2	3.3	3. 5
Other non-industrial services	"	300. 1	411.1	462. 6	465. 5	746. 3
icensing of motor vehicles		0. 6	0. 6	0. 9	1.1	1.4
Rates, excluding water rates		19. 0	22. 2	24. 3	32. 2	30. 6
Gross value added at factor cost		2, 459. 6	2, 542. 7	2, 578. 3	2, 284. 4	1, 720. 2
Gross value added at factor cost per head	£	44, 594	45, 599	46, 451	35, 470	26, 767

⁽a) Satisfactory returns accounted for 85 per cent of employment within the industry in 1992.

TABLE 2

Capital expenditure, 1988-1992

All United Kingdom businesses classified to the industry

and relative to Caross	1988	1989	1990	1991	1992(a)	
			arios acid		(d)	
and and buildings						
New building work	48. 5	98. 3	68. 3	36. 3	24. 1	
Land and existing building	gs					
Acquisitions	14. 3	14. 1	13. 3	10. 6	•	
Disposals	7. 1	9. 6	0. 9	0. 5		
Net	55. 8	102. 7	80. 7	46. 5	25. 9	
Plant and machinery						
Acquisitions	178. 6	175. 1	159. 1	176. 8	176. 6	
Disposals	9. 4	13. 1	9. 2	9. 0	32. 1	
Net Branch	169. 2	162. 0	149. 9	167. 8	144. 5	
/ehicles						
Acquisitions	18. 3	14. 1	13. 8	11.4	6. 2	
Disposals	550 77170 02 5.3	4. 3	6. 4	4. 2	22. 2	
Net a serior o	333 7 7 7 3 3 3 13. 0	9. 8	7. 5	7. 2	-16. 0	
Total net capital expend	liture 238. 0	274. 5	238. 1	220. 6	154. 4	

⁽a) See paragraph 19 of explanatory notes for changes in method introduced for the 1992 census.

TABLE 3

Stocks and work in progress, 1988-1992
All United Kingdom businesses classified to the industry

						£ million
	1988	1989	1990	1991	1992 (a)	Value at end of 1992
		In	crease during	year		
Materials, stores and fuel	50. 6	50. 3	41.3	13. 2	44. 1	682. 1
Work in progress	-3. 8	14. 4	43. 7	-42. 6	49. 7	236. 2
Goods on hand for sale	24. 5	19. 7	102, 2	-16. 0	-13. 0	443. 1
Total	71. 4	84. 5	187. 3	-45. 4	80.8	1, 361. 4

⁽a) See paragraph 19 of explanatory notes for changes in method introduced for the 1992 census.

⁽b) Year on year comparisons may be affected by changes in the industrial classification of some contributors - See paragraph 8 of the explanatory notes.

TABLE 4

Employment, labour costs, output, net capital expenditure and stocks and work in progress by size of total employment, 1992

All United Kingdom businesses classified to the industry (a)

Size group	Busin- esses	Enterprise groups (b)	Employ	yment	1989		d salaries (c)		
		(5)							
			Total includir working proprie	g	Administr- ative,tech- nical and clerical	Operatives	3	Administ technical clerical	
						Total	per head	Total	per head
	same for the day								285
	Number	Number	Thousa	nd Thousand	Thousand	£ million	£	£ million	for formal
1-9	975	971	2. 8)	1.52/1-1					
10-19	147	146	2. 1)	\$ -8 -00 5					
20-49	107	106	3. 3)	4.6	6. 7	52. 4	11, 392	126. 0	18, 786
50-99	49	49	3. 5)						
100-199	27	27	3. 6	1.7	2. 0	17. 9	10, 822	38. 9	19, 690
200-299	13	13	3.0	1.0	2. 0	11.5	11, 022	36. 7	18, 571
300-399	9	9	3.0	1.0	2. 0	11.4	11, 565	38. 5	18, 812
400-499	4	4	1.8	1.8831.1	0. 7	11. 4	10, 274	12. 6	17, 411
500-749	10	10	6. 3	3. 1	3. 2	34. 6	11, 052	53. 5	16, 867
750-1, 499	7	7	7. 7	4. 9	2. 8	67. 9	13, 746	66. 6	23, 886
1, 500-1, 999	3	3	5. 2	1. 0	4. 2	15. 5	15, 228	98. 2	23, 317
2, 000-Plus	3	3	21. 9	4. 3	17. 6	67. 8	15, 888	495. 8	28, 190

Total	1, 354	1, 330	64. 3	22. 8	41. 2	290. 5	12, 765	966. 8	23, 473
									100

⁽a) Businesses employing fewer than 20 persons are not required to complete census returns. Because of this, data for these businesses should be regarded merely as the best estimates available and used with caution.

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o	А	•		n
•		•	3	u
		-	_	-

	ision to ensines	Per	2.0	nuter istol to ageth	Parcel		counting year andec
Total sales and work done	Gross output	Net output		Gross value added at factor cost		Net capital expenditure	Total stocks and work in progress at end of year
							end of year
		Total	per head	Total	per head		
£ million	£ million	£ million	£	£ million	£	£ million	£ million
762. 5	750. 5	355. 8	30, 573	(d)	(d)	28. 4	99. 6
281. 4	282. 0	117. 4	32, 350	327. 0(d)	21, 373(d)	10. 2	43. 6
229. 4	231. 8	114. 8	38, 037	85. 9	28, 476	12. 1	38. 8
486. 9	410. 0	76. 5	25, 202	26. 1	8, 578	16. 3	68. 6
188. 8	188. 2	49. 6	27, 056	33. 1	18, 042	3. 8	16. 0
541. 1	545. 2	185. 0	29, 361	124. 5	19, 748	15. 4	90. 5
1, 193. 6	1, 206. 4	343. 6	44, 468	257. 4	33, 318	12. 1	131. 2
851. 1	849. 9	326. 4	62, 443	221. 8	42, 432	11. 1	89. 3
4, 164. 2	4, 271. 6	1, 138. 1	52, 075	644. 5	29, 490	45. 0	783. 9
8, 699. 0	8, 735. 6	2, 707. 3	42, 126	1, 720. 2	26, 767	154. 4	1, 361. 4

⁽b) The count of enterprise groups shown in each row represents the number of enterprise groups, irrespective of size, owning the businesses shown in each size group. Because an enterprise group may own businesses in more than one size group, the sum of individual enterprise group counts may exceed the total for the industry.

⁽c) The cost of employers' contributions to the national insurance, pensions and welfare schemes and the running costs of canteens are excluded from the table but were estimated for the industry at £178.5 million.

The remuneration of outworkers on returns received - also excluded from the table - was £4.6 million.

⁽d) Gross value added data relate to businesses employing 1-199.

TABLE 7

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Percentage analysis of twelve-month periods covered by returns received for the 1992 Census by number of returns and total employment

Accoun	ting year ended	Percentage of total re received		centage of total	
1992	April 6-30	3. 2 92 10/26	andha	0. 5	YOU D
	May	2. 4		1. 0	
	June	7. 2		6. 3	
	July	_		o <u>d</u> aren	
	August	1. 6		0. 1	
	September	7. 2		4. 8	
	October	0. 8		0. 1	
	November	3. 2		3. 9	
	December	41. 6		65. 9	
1993	January	4. 8		3. 5	
	February	0.8		0. 7	
	1 March - 5 April	27. 2		13. 4	

TABLE 6

Operating ratios, 1988-1992

All United Kingdom businesses classified to the industry

	Unit	1988	1989	1990	1991	1992
Gross output per head	£	122, 757	140, 455	149, 707	128, 717	135, 925
Net output per head	£	51, 835	54, 937	57, 486	46, 384	42, 126
Gross value added per head	£	44, 594	45, 599	46, 451	35, 470	26, 767
Gross value added as a percentage of gross output	%	36	33	31	28	20
Ratio of gross output to stocks		7.8	8. 0	7.3	6. 6	6. 4
Wages and salaries as a percentage of gross value added	%	31	33	35	53	73
Ratio of operatives to administrative, technical and clerical employees		0. 5	0. 6	0. 6	0. 5	0. 6
Wages and salaries per operative	£	9, 479	11, 634	12, 048	12, 958	12, 765
Wages and salaries per administrative, technical and clerical employee	£	16, 029	17, 090	19, 113	21, 567	23, 473
Net capital expenditure per head	£	4, 316	4, 924	4, 290	3, 425	2, 403
Net capital expenditure as a percentage of gross value added	%	10	11	9	10	9

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1992 All United Kingdom businesses classified to the industry

Area		Total employm (a)	ent PSI	Net cap expendi (b)		Net outp (c)	put	Gross v added a factor c (c)	t saingrain
Lord and raviding buildings	9588	Thousand	per cent	£ million	per cent	£	per cent	£	per cent
			United Kingdom	mmon	United Kingdom	minor	United Kingdom	hamilana a	United Kingdom
Standard regions of England									
North		0. 4	0. 6	1. 0	0. 6	12. 7	0. 5	8. 7	0. 5
Yorkshire and Humberside		8 1.7	2. 6	2. 2	1. 4	79. 5	2. 9	53. 4	3. 1
East Midlands		1. 2	1. 9	3. 1	2. 0	38. 0	1.4	27. 7	1.6
East Anglia		0. 9	1. 4	3. 1	2. 0	42. 0	1. 6	26. 7	1. 6
South East		29. 0	45. 1	36. 0	23. 3	1, 240. 0	45. 8	741. 4	43. 1
South West		1.9	2. 9	3. 3	2. 1	80. 9	3. 0	54. 2	3. 1
West Midlands		7. 3	11.4	50. 7	32. 9	397. 8	14. 7	262. 0	15. 2
North West		4. 9	7. 7	4. 8	3. 1	325. 4	12. 0	217. 3	12. 6
England		47. 4	73. 7	104. 3	67. 5	2, 216. 4	81.9	1, 391. 3	80. 9
Wales		4. 0	6. 2	5. 3	3. 5	94. 4	3. 5	75. 5	4. 4
Scotland	-81388 F 98	12. 6	19. 6	43. 7	28. 3	387. 2	14. 3	247. 5	14. 4
Great Britain		63. 9	99. 5	153. 2	99. 2	2, 698. 0	99. 7	1, 714. 3	99. 7
Northern Ireland		0. 3	0. 5	1. 2	0. 8	9. 4	0. 3	6. 0	0.3
United Kingdom	F.\$8	64. 3	100. 0	154. 4	100. 0	2, 707. 3	100. 0	1, 720. 2	100. 0

- (a) Average number employed during the year, including full and part-time employees and working proprietors.
- (b) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
- (c) Where a census return covered addresses in two or more regions, an estimate of the net output attributable to each address was made by assuming that net output was proportionate to employment. An estimate for each region was obtained by aggregating estimates of net output for addresses located in that region. Gross value added at factor cost was treated similarly.

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Output and costs, 1992 All United Kingdom businesses classified to each Activity Heading within the industry

		Unit		3301	3302	
Enterprise groups(a)		Number	Net cap	129	1, 203	
Businesses				130	1, 224	
Sales of goods produced		£ million		248. 2	5, 662. 8	
Work done and industrial services rendered		percent of Notice		29. 4	1, 687. 2	
Capital goods produced for use within the business	1	Kingdom		Kingdom		
Non-industrial services rendered		n a				to soonge house of
Goods merchanted or factored				36. 9	942. 8	
Total sales and work done				340. 9	8, 358. 1	
Increase during the year, work in					3 .1	
progress and goods on hand for sale		"		-2. 1	38. 8	
Gross output		" The San		338. 7	8, 396. 9	
Purchases of materials for use in pro- duction, packaging and fuel				143. 1	4, 839. 6	
Purchases of goods for merchanting o	r				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
factoring		H 5 3-5		17. 9	636. 5	
Increase during the year, stocks of materials, stores and fuel				-2. 9	47. 0	
Cost of industrial services		a 7a		73.9	47. 9	
received				3. 0	432. 3	
Net output		e 80		171. 9	2, 535. 5	
Total employment		Thousand		5. 9	58. 3	
Net output per head		£\$,88		28, 983	43, 462	
Cost of non-industrial services received						
Hire of vehicles, plant and machinery		£ million		5. 4	82. 1	
Rents of industrial and commercial		0.1008		1041 90901	6.15.6	
buildings		п		4. 1	95. 4	
Commercial insurance premiums		olgans amita		1. 8	16. 2	
Bank charges		distinct building		0. 4	3.1	
Other non-industrial services		п		27. 5	718. 8	
icensing of motor vehicles		densité la		0. 1	1.4	
Rates, excluding water rates		001 20220106		2. 3	28. 3	
Gross value added at factor cost		· ·		130. 2	1, 590. 0	
Gross value added at factor cost per head		£		21, 955	27, 256	

⁽a) The count of enterprise groups shown in each column represents the number of enterprise groups owning the businesses shown for each activity heading. Because an enterprise group may own businesses in more than one activity heading, the sum of the enterprise group counts may exceed the total for the industry.

TABLE 9 Capital expenditure, 1992(a)
All United Kingdom businesses classified to each Activity Heading within the industry

				£ million
		3301	3302	3L 08/02/24/3 = 822/8/03/06/03/03/03/14/14/14/
Land and buildings		-		
New building work		0. 5	23. 6	
Land and existing buildings				
Acquisitions		67, 121	3.	
Disposals		28, 983	3	
		21, 955	3	
Net		0. 5	25. 4	
Plant and machinery				
Acquisitions		9. 7	166. 9	
Disposals		0. 1	32. 0	
Net		9. 6	134. 9	
Vehicles				
Acquisitions		10, 616		
Disposals		•	*	
Net		0. 1	-16. 0	
Total net capital expendit	ture	10. 2	144. 3	

(a) See paragraph 19 of explanatory notes for changes in method introduced for the 1992 census.

TABLE 10

Stocks and work in progress, 1992(a)
All United Kingdom businesses classified to each Activity Heading within the industry

			£ million
	3301	3302	
10a Increase during year			
Materials, stores and fuel	-2. 9	47. 0	
Work in progress	-1. 0	50. 7	
Goods on hand for sale	-1. 1	-11. 9	
Total	-5. 0	85. 8	
10b Value at end of year			
Materials, stores and fuel	20. 6	661. 5	
Work in progress	9. 2	226. 9	
Goods on hand for sale	18. 5	424. 6	
Total	48. 3	1, 313. 0	

⁽a) See paragraph 19 of explanatory notes for changes in method introduced for the 1992 census.

TABLE 11

PA330

Operating ratios, 1992

All United Kingdom businesses classified to each Activity Heading within the industry

of gross value added	%	8	9	
Net capital expenditure as a percentage				
Net capital expenditure per head	£	1, 715	2, 473	
Wages and salaries per administrative, technical and clerical employee	0 87 £	17, 832	23, 962	
Wages and salaries per operative	£	10, 616	13, 041	
Wagas and calarias nor an arctive			1 200 6	
Ratio of operatives to administrative, technical and clerical employees		0. 8	0. 5	
gross value added	%	66	74	
Wages and salaries as a percentage of				
Ratio of gross output to stocks		7. 0	6. 4	
Gross value added as a percentage of gross output	%	38	19	vientiand machinery
Gross value added per head	£	21, 955	27, 256	
Net output per head	£	28, 983	43, 462	
Gross output per head	£	57, 121	143, 936	
	1. 100 <u></u>		8 <u>0.0 0</u>	
	Unit	3301	3302	New politica work



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Printed in the United Kingdom by HMSO at Cardiff from CRC supplied Dd. 0296947 C3 Cdf 107992 4/94

