

表 2 2 工業及服務業企業單位無形投入及專業技術交易概況－按中行業別分

單位：千元

民國 1 0 5 年

	無形投入概況 Outline of intangible investments						
	研究發展 Research and development			員工訓練 Training		市場行銷 Marketing	
	企業單位數	費用性支出	資本性支出	費用性支出	資本性支出	費用性支出	資本性支出
	Number of enterprise units	Amount of expense-typed expenditures	Amount of capital-typed expenditures	Amount of expense-typed expenditures	Amount of capital-typed expenditures	Amount of expense-typed expenditures	Amount of capital-typed expenditures
總計	22 850	642 328 752	54 315 927	30 122 604	806 846	759 682 858	4 224 166
礦業及土石採取業	3	962	-	5 775	18	9 248	-
石油及天然氣礦業	(D)	(D)	(D)	(D)	(D)	(D)	(D)
砂、石採取及其他礦業	(D)	(D)	(D)	(D)	(D)	(D)	(D)
製造業	12 362	526 191 675	41 121 127	8 377 953	301 225	375 209 157	2 486 111
食品及飼品製造業	559	3 497 885	340 808	459 154	40 491	27 067 199	161 920
飲料、菸草製造業	63	673 906	32 905	56 561	-	8 549 068	75 903
紡織業	309	2 300 376	131 509	183 052	159	7 089 705	312
成衣及服飾品製造業	149	1 096 072	28 633	73 038	-	6 294 897	58 204
皮革、毛皮及其製品製造業	105	1 952 761	108 285	33 847	1 791	547 130	170
木竹製品製造業	47	72 112	9 530	15 047	1 124	305 625	751
紙漿、紙及紙製品製造業	130	397 768	124 392	89 454	6 165	7 080 346	23 498
印刷及資料儲存媒體複製業	200	472 531	32 113	57 593	-	1 044 016	6 137
石油及煤製品製造業	17	2 431 669	220 658	304 526	10 938	22 071 907	1 496 477
化學原材料、肥料、氮化合物、塑橡膠原料 及人造纖維製造業	291	13 488 084	543 175	255 210	234	24 137 647	11 831
其他化學製品製造業	476	6 226 276	560 771	237 554	1 221	13 500 674	66 131
藥品及醫用化學製品製造業	244	9 401 153	2 112 583	110 571	7 861	9 309 555	45 393
橡膠製品製造業	149	2 252 506	103 301	93 378	2 131	4 956 729	81 950
塑膠製品製造業	667	4 404 891	557 958	358 454	1 500	5 236 075	16 458
非金屬礦物製品製造業	222	1 086 498	58 725	125 757	304	5 309 664	1 610
基本金屬製造業	331	4 171 717	449 610	307 069	3 458	13 540 492	1 137
金屬製品製造業	1 612	5 421 629	245 167	613 314	9 737	9 477 037	22 874
電子零組件製造業	1 531	261 429 386	29 047 058	2 448 945	76 546	79 508 242	54 812
電腦、電子產品及光學製品製造業	1 121	151 134 837	4 144 752	591 346	82 639	74 989 203	137 227
電力設備及配備製造業	807	13 266 796	316 460	331 228	6 810	15 295 931	77 078
機械設備製造業	1 868	16 671 424	727 361	719 723	41 009	18 076 878	97 804
汽車及其零件製造業	378	9 792 849	213 932	268 963	2 071	7 657 998	12 862
其他運輸工具及其零件製造業	350	7 176 428	654 064	210 875	314	6 267 568	12 776
家具製造業	151	175 558	10 643	53 580	-	558 212	993
其他製造業	458	5 927 336	326 152	190 115	2 572	6 853 242	21 803
產業用機械設備維修及安裝業	127	1 269 227	20 582	189 599	2 150	484 117	-
電力及燃氣供應業	24	3 966 525	364 224	760 602	189	6 825 261	-
用水供應及污染整治業	80	207 077	21 347	74 821	930	361 426	1 822
用水供應業	5	100 158	-	53 181	704	43 762	-
廢水及污水處理業	11	17 510	-	1 122	-	13 881	-
廢棄物清除、處理及資源回收處理業	53	64 926	17 920	18 851	-	298 198	-
污染整治業	11	24 483	3 427	1 667	226	5 585	1 822
營建工程業	471	1 061 370	41 964	353 912	23 074	4 095 412	10 882
建築工程業	116	289 049	7 515	90 320	2 320	1 524 134	-
土木工程業	104	101 733	9 199	88 709	3 210	550 762	136
專門營造業	251	670 588	25 250	174 883	17 544	2 020 516	10 746
批發及零售業	4 248	24 734 016	1 376 406	3 857 694	118 618	145 866 473	358 329
批發業	3 844	23 450 865	1 216 600	2 558 844	38 376	101 653 234	167 799
零售業	404	1 283 151	159 806	1 298 850	80 242	44 213 239	190 530
運輸及倉儲業	192	328 014	589 763	1 569 153	91 049	6 087 646	6 267
陸上運輸業	110	96 199	286 767	408 046	1 154	2 583 647	707
水上運輸業	5	61 215	187 870	23 940	-	269 207	-
航空運輸業	4	70 807	91 000	945 684	89 695	1 621 774	-
運輸輔助業	59	98 257	13 561	84 665	-	1 174 596	5 560
倉儲業	10	-	9 827	11 096	-	119 105	-
郵政及快遞業	4	1 536	738	95 722	200	319 317	-

註：企業單位係指一個場所或多個場所結合而成的事業單位，可自行決定經營方針並自負盈虧。

TABLE 22 Intangible Investments, Professional Technique Trades of Enterprise Units of All Industries, by Subsector

2016

Unit:NT\$1,000

		專業技術交易概況 Transactions of professional techniques				
購買電腦軟體、資料庫 Purchasing softwares or databases		專業技術銷售金額 Amount of selling		專業技術購入金額 Amount of purchasing		
費用性支出 金額 Amount of expense-typed expenditures	資本性支出 金額 Amount of capital-typed expenditures	國內 Domestic	國外 Overseas	國內 Domestic	國外 Overseas	
38 839 259	29 409 199	15 734 497	78 060 982	20 791 241	175 667 278	Grand Total
5 306	203	-	351	-	-	Mining and Quarrying
(D)	(D)	(D)	(D)	(D)	(D)	Extraction of Crude Petroleum and Natural Gas
(D)	(D)	(D)	(D)	(D)	(D)	Quarrying of Stone, Sand, Clay and Other Mining
12 585 335	12 886 623	5 762 781	74 545 349	11 310 899	167 411 796	Manufacturing
257 535	84 980	79 354	80 993	129 351	206 201	Manufacture of Food Products and Prepared Animal Feeds
80 794	22 334	125 421	1 734	15 336	516 606	Manufacture of Beverages & Tobacco Products
97 356	180 212	746	4 468	72 603	71 053	Manufacture of Textiles
33 916	50 845	9 623	128 126	53 424	57 872	Manufacture of Wearing Apparel and Clothing Accessories
8 876	67 130	1 135	3 393 859	1 061	-	Manufacture of Leather, Fur and Related Products
3 564	657	-	-	22	34 522	Manufacture of Wood and of Products of Wood and Bamboo
157 996	19 327	2 180	-	29 514	153 865	Manufacture of Paper and Paper Products
45 750	17 689	241	9 571	211	-	Printing and Reproduction of Recorded Media
37 797	104 807	34	251	8 285	155 853	Manufacture of Petroleum and Coal Products
890 101	919 733	127 844	2 228 065	1 751 880	1 929 065	Manufacture of Chemical Material, Fertilizers and Nitrogen Compounds, Plastic and Rubber Materials, Man-made Fibres
132 960	75 040	8 601	459 754	110 879	2 602 434	Manufacture of Other Chemical Products
59 017	99 625	208 971	523 902	232 447	1 546 616	Manufacture of Pharmaceuticals and Medicinal Chemical Products
126 213	58 664	-	958 243	335	188 044	Manufacture of Rubber Products
138 955	47 928	3 116	1 838 959	98 575	498 514	Manufacture of Plastics Products
66 145	35 718	45 217	31 248	80 483	10 828 547	Manufacture of Other Non-metallic Mineral Products
58 108	67 475	178 942	1 614 399	22 369	454 182	Manufacture of Basic Metals
298 320	193 300	9 433	43 487	75 340	182 202	Manufacture of Fabricated Metal Products
7 495 434	7 685 065	1 787 447	5 823 183	3 554 454	25 034 431	Manufacture of Electronic Parts and Components
1 234 012	1 845 915	1 153 056	46 589 615	2 713 604	114 694 150	Manufacture of Computers, Electronic and Optical Products
227 510	209 714	1 147 658	9 067 646	1 991 155	945 107	Manufacture of Electrical Equipment
453 185	333 709	74 579	124 358	200 645	638 780	Manufacture of Machinery and Equipment
158 500	230 315	702 432	169 615	66 152	1 465 457	Manufacture of Motor Vehicles and Parts
225 522	284 690	8 000	306 560	25 557	3 008 079	Manufacture of Other Transport Equipment and Parts
21 635	4 982	326	4 238	2 652	1 315	Manufacture of Furniture
192 642	222 259	70 022	1 046 611	30 425	479 571	Other Manufacturing
83 492	24 510	18 403	96 464	44 140	1 719 330	Repair and Installation of Industrial Machinery and Equipment
185 380	35 810	-	-	90 827	76 684	Electricity and Gas Supply
88 636	19 465	1 889	-	16 328	-	Water Supply and Remediation Activities
74 447	14 288	-	-	-	-	Water Supply
893	2 276	-	-	-	-	Wastewater and Sewage Treatment
13 019	2 785	-	-	-	-	Waste Collection, Treatment and Disposal Activities; Materials Recovery
277	116	1 889	-	16 328	-	Remediation Activities and Other Waste Management Services
264 384	252 976	58 663	9 108	789 529	469 648	Construction
45 239	51 599	26 436	2 001	320 380	8 103	Construction of Buildings
76 028	148 517	2 063	-	137 427	286 397	Civil Engineering
143 117	52 860	30 164	7 107	331 722	175 148	Specialized Construction Activities
4 591 730	1 575 638	1 332 799	488 198	3 026 015	5 637 851	Wholesale and Retail Trade
3 225 496	859 595	678 247	474 484	2 077 640	2 942 532	Wholesale Trade
1 366 234	716 043	654 552	13 714	948 375	2 695 319	Retail Trade
1 717 811	1 110 386	56 258	-	21 048	185 278	Transportation and Storage
321 694	53 299	56 258	-	18 915	-	Land Transportation
180 590	87 476	-	-	-	-	Water Transportation
628 515	598 752	-	-	-	67 666	Air Transport
280 368	234 445	-	-	605	7 495	Support Activities for Transportation
27 610	13 920	-	-	1 528	848	Warehousing and Storage
279 034	122 494	-	-	-	109 269	Postal and Courier Activities

Note: Enterprise unit refers to a unit that combines one establishment or multiple establishments; it can decide its own business policy and be responsible for its own profits and losses.

表 2 2 工業及服務業企業單位無形投入及專業技術交易概況－按中行業別分（續）

單位：千元

民國 1 0 5 年

	無形投入概況 Outline of intangible investments						
	研究發展 Research and development			員工訓練 Training		市場行銷 Marketing	
	企業單位數	費用性支出	資本性支出	費用性支出	資本性支出	費用性支出	資本性支出
	Number of enterprise units	Amount of expense-typed expenditures	Amount of capital-typed expenditures	Amount of expense-typed expenditures	Amount of capital-typed expenditures	Amount of expense-typed expenditures	Amount of capital-typed expenditures
住宿及餐飲業	304	312 909	68 514	394 732	44 117	5 639 202	35 112
住宿業	66	43 512	50 478	132 425	7 295	1 744 744	3 442
餐飲業	238	269 397	18 036	262 307	36 822	3 894 458	31 670
出版、影音製作、傳播及資訊服務業	1 633	21 911 092	2 927 902	945 725	71 250	91 433 949	335 858
出版業	167	3 010 560	24 808	351 263	4 772	9 313 105	10 633
影片及電視節目業、聲音錄製及音樂發行業	129	84 905	28 478	18 193	5 674	2 230 609	8 798
廣播、電視節目編排及傳播業	31	482 914	68 530	24 419	11 489	2 125 858	35 131
電信業	27	4 065 669	2 335 601	167 887	19 329	65 431 245	256 785
電腦程式設計、諮詢及相關服務業	988	11 691 363	427 989	283 796	4 933	8 794 481	19 579
資訊服務業	291	2 575 681	42 496	100 167	25 053	3 538 651	4 932
金融及保險業、強制性社會安全	249	4 138 776	149 393	3 483 823	29 300	71 848 526	457 071
金融服務業	148	2 751 103	101 568	1 292 487	15 281	28 085 255	262 804
保險業、強制性社會安全	29	480 198	87	1 749 684	14 019	38 220 329	49 907
證券期貨及金融輔助業	72	907 475	47 738	441 652	-	5 542 942	144 360
不動產業	214	168 194	31	399 094	613	31 575 958	253 940
不動產開發業	121	153 937	24	244 123	63	25 807 950	13 426
不動產經營及相關服務業	93	14 257	7	154 971	550	5 768 008	240 514
專業、科學及技術服務業	1 547	49 228 707	7 236 028	1 079 025	37 961	8 778 815	133 425
法律及會計服務業	38	8 486	-	214 329	-	1 241 890	-
企業總管理機構及管理顧問業	163	55 394	33 702	233 813	9 273	934 060	95 149
建築、工程服務及技術檢測、分析服務業	382	3 886 686	616 393	198 406	13 175	1 676 655	4 772
研究發展服務業	207	39 383 051	5 931 142	234 520	9 441	1 681 884	7 788
廣告業及市場研究業	206	377 411	9 174	105 290	4 661	1 904 852	25 578
專門設計業	374	2 382 320	249 188	60 883	-	533 858	138
獸醫業	4	68	21	685	1 411	1 074	-
其他專業、科學及技術服務業	173	3 135 291	396 408	31 099	-	804 542	-
支援服務業	184	423 756	119 758	292 430	2 037	6 238 732	3 432
租賃業	36	92 133	6 552	40 044	153	604 519	153
人力仲介及供應業	24	54 408	819	51 595	-	503 736	-
旅行及相關服務業	34	46 195	2 167	72 927	930	2 786 475	791
保全及偵探業	19	106 887	46	62 077	16	1 466 055	69
建築物及綠化服務業	40	23 008	687	36 951	571	464 559	810
行政支援服務業	31	101 125	109 487	28 836	367	413 388	1 609
教育業(註)	220	157 307	8 129	174 128	11 473	905 828	35 166
醫療保健及社會工作服務業	619	9 244 088	227 273	8 127 682	64 775	1 053 128	40 761
醫療保健業	587	9 241 247	227 112	8 073 870	58 830	1 026 857	40 635
居住型照顧服務業	26	2 590	161	34 432	2 027	18 141	126
其他社會工作服務業	6	251	-	19 380	3 918	8 130	-
藝術、娛樂及休閒服務業	137	221 492	30 723	97 428	3 020	1 849 742	7 884
創作及藝術表演業	90	54 671	6 360	14 238	-	473 952	6 332
博物館及類似機構	10	125 542	2 729	4 386	-	164 394	-
博弈業	1	20 000	-	387	-	150 097	-
運動、娛樂及休閒服務業	36	21 279	21 634	78 417	3 020	1 061 299	1 552
其他服務業	363	32 792	33 345	128 627	7 197	1 904 355	58 106
個人及家庭用品維修業	147	8 518	-	27 063	-	399 625	912
未分類其他服務業	216	24 274	33 345	101 564	7 197	1 504 730	57 194

註：本表教育業僅涵蓋學前教育之幼兒園(不含小學(含)以上之各級學校)、教育輔助業及其他教育業，如代辦留(遊)學服務、各類補習班、才藝班及汽車駕訓班等。

TABLE 22 Intangible Investments, Professional Technique Trades of Enterprise Units of All Industries, by Subsector(Cont.)

2016

Unit:NT\$1,000

		專業技術交易概況 Transactions of professional techniques				
購買電腦軟體、資料庫 Purchasing softwares or databases		專業技術銷售金額 Amount of selling		專業技術購入金額 Amount of purchasing		
費用性支出 金額 Amount of expense-typed expenditures	資本性支出 金額 Amount of capital-typed expenditures	國內 Domestic	國外 Overseas	國內 Domestic	國外 Overseas	
499 222	157 759	86 815	5 780	162 445	244 916	Accommodation and Food Service Activities
235 297	104 992	52 134	-	61 188	130 088	Accommodation
263 925	52 767	34 681	5 780	101 257	114 828	Food and Beverage Service Activities
3 125 089	1 619 181	2 879 871	484 579	1 308 532	381 208	Information and Communication
191 349	155 247	122 035	38 475	128 333	193 756	Publishing Activities
98 883	19 872	377 732	-	24 249	9 496	Motion Picture, Video and Television Programme Production, Sound Recording and Music Publishing Activities
118 027	122 904	45 185	-	25 532	-	Programming and Broadcasting Activities
1 942 465	991 339	73 766	1 061	721 531	196	Telecommunications
531 081	252 950	2 058 122	410 167	386 829	172 217	Computer Programming, Consultancy and Related Activities
243 284	76 869	203 031	34 876	22 058	5 543	Information Service Activities
10 717 467	9 861 459	-	-	1 317 873	145 182	Financial and Insurance Activities ; Compulsory Social Security
7 127 241	5 406 563	-	-	1 306 821	36 197	Financial Service Activities
1 423 331	2 954 891	-	-	7 494	41 160	Insurance ; Compulsory Social Security
2 166 895	1 500 005	-	-	3 558	67 825	Security, Commodity Contracts, and Activities Auxiliary to Financial Service Activities
379 277	176 020	-	-	1 531	-	Real Estate Activities
178 682	37 397	-	-	-	-	Real Estate Development Activities
200 595	138 623	-	-	1 531	-	Real Estate Operation and Related Activities
2 545 927	597 151	5 493 319	2 507 685	2 547 957	840 902	Professional, Scientific and Technical Activities
404 504	55 393	-	-	1 836	1 496	Legal and Accounting Activities
201 102	75 236	84 185	3 378	76 696	10 924	Activities of Head Offices; Management Consultancy Activities
295 387	126 990	49 886	-	122 570	645 897	Architecture and Engineering Activities; Technical Testing and Analysis
1 260 160	271 540	5 084 587	2 132 527	2 307 343	103 596	Scientific Research and Development
90 867	22 657	-	-	1 035	13 200	Advertising and Market Research
136 720	20 713	98 105	215 022	18 161	33 485	Specialized Design Activities
48	-	-	-	-	-	Veterinary Activities
157 139	24 622	176 556	156 758	20 316	32 304	Other Professional, Scientific and Technical Activities
320 763	218 859	22 140	2 624	30 829	141 185	Support Service Activities
92 200	74 898	21 351	2 624	14 273	92 598	Rental and Leasing Activities
63 610	2 443	-	-	-	-	Employment Activities
61 944	25 077	789	-	15 225	-	Travel Agency, Tour Operator, Reservation Service and Related Activities
53 312	83 283	-	-	199	48 286	Security and Investigation Activities
29 660	369	-	-	1 132	301	Services to Buildings and Landscape Activities
20 037	32 789	-	-	-	-	Office Administrative and Support Activities
160 042	76 910	-	-	-	-	Education(Note)
1 446 963	716 602	5 582	17 308	26 731	450	Human Health and Social Work Activities
1 421 207	706 713	5 582	17 308	26 731	450	Human Health Activities
13 097	6 015	-	-	-	-	Residential Care Activities
12 659	3 874	-	-	-	-	Social Work Activities without Accommodation
129 547	71 889	34 380	-	139 000	132 178	Arts, Entertainment and Recreation
24 049	16 148	-	-	121 714	-	Creative, Arts and Entertainment Activities
22 631	16 362	9 424	-	-	-	Museums and Other Cultural Activities
-	22 399	-	-	-	132 178	Gambling and Betting Activities
82 867	16 980	24 956	-	17 286	-	Sports Activities and Amusement and Recreation Activities
76 380	32 268	-	-	1 697	-	Other Service Activities
24 095	9 154	-	-	-	-	Maintenance and Repair of Personal and Household Goods
52 285	23 114	-	-	1 697	-	Other Personal Service Activities

Note: Education in the 2016 Industry and Service Census only covers preschools for Pre-primary Education (exclude primary school (inclusive) and above schools at all levels), Educational Support Activities and Other Education, such as overseas study and study tour services agencies, all kinds of cram schools, talent classes and car driving classes, etc.