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Status and Font Samples of Digitized Chinese (Hanzi) Font Manufacturers in Taiwan

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【摘 要】

本專題報告係應國際字型資訊交換協會（AFII）之請，於1993年10月25～29日在大陸北京舉行的世界字型開發研討會議中發表。

報告中所列係臺灣主要的電腦字型製造廠商，所列主要項目包括：(1)產品系列的名稱，(2)字體與字型，(3)像點或字體尺寸，(4)單元字集與採用的內碼，(5)採用的技術與字型格式。中文原始資料均係各廠商自動提供，經作者以英文編譯而成。此報告所介紹的現況和數據反映了臺灣電腦字型製造廠商對中文字體工業的近期發展和成長。有些廠家也生產中文以外的其他語文文字的電腦字體，但限於本報告之主題範圍，故報告中僅提到該類產品及其字體的名稱，但不加詳細解釋。

報告中簡述臺灣電腦字體廠商順應國人對書法的重視與嚴謹的藝術修養，已融合於中國文化中的事實，進而成爲評估造字技術與品質要件的背景。

報告中並引述中國文字是東南亞、中、日、韓，文字的字源的佐證。因其使用人口衆多及地區廣泛的現狀，進而趨使臺灣電腦字體廠商的現在及未來不斷追求電腦造字技術品質的提昇，同時遵循中國正統書法的結構及其蘊涵之典、雅、逸的神貌。（報告中附件字樣樣本函索即寄）。

INTRODUCTION

At the invitation of the Association for Font Information Interchange (AFII), this contributory report was prepared, and for presentation at the AFII Second World Font Development Meeting at Beijing, China, Oct. 25–29, 1993.

The Following is the list of the major digitized Chinese (Hanzi) soft font manufacturers in Taiwan, Key items of the list covered: 1. Name of product series, 2. Fonts and Styles, 3. Pixels and or Sizes, 4. Number of characters per Set and the Code used, 5. Techniques adopted. Original information in Chinese were voluntarily provided by each manufacturer, translated and

compiled by the author. These essential facts and figures reflect the status of this newly developed and growing soft fonts industry in Taiwan. Some of the manufacturers mentioned below also produce soft fonts of the other languages beside the Chinese character (Hanzi) soft fonts, for the scope of the topic of this report concerns, only the name of the Fonts and Styles of such products are mentioned but without the details. Some font samples of part of font manufacturers are listed in the "Font Samples of Digitized Chinese (Hanzi) Font Manufacturers In Taiwan, 1993" as the Annex of this report (font samples are available upon reguest).

* PostScript is a Trademark of Adobe Systems Inc.
* TrueType is a Trademark of Apple Computer, Inc.
* For explanation of the terms used in this report, please refer to: Jack Kai-tung Huang & Timothy D. Huang, "An Introduction to Chinese, Japanese and Korean Computing", World Scientific, 1989, ISBN 9971506645.

BACKGROUND

The Chinese people are one of the few ethnic groups in the world who take calligraphy as a very serious art form. The fonts and styles of characters (Hanzi) were written and had melted into the Chinese culture and so became and integral part of it.

The written Chinese was the lingua franca of East Asia. The impact on the writing of the modern Chinese, Japanese, and Korean languages is similar to the impact of Latin on the vocabulary and syntax of languages in the West.

The Authoritative Japanese dictionary "Koujien" defines Han characters (Hanzi, Kanji and Hanja) to be "characters that originated among the Chinese to write the Chinese language. They are now used in China, Japan, and Korea……", and so do the same in Hongkong, Singapore, Taiwan, etc., and among their people in the communities of overseas which related to each of those entities.

To Chinese, Japanese and Korean, fonts are the key to good-looking documents. Either in this modern age of computer or on the data-manipulative tools used in the foreseeable future which may be developed by the technology available today, screens and printers should provide a reasonable selection of resident typefaces, plus a variety of font cartridge options and enough memory to handle down-loadable soft fonts.

STATUS

1. Manufacturer : **Dynalab Inc.**
   4th, 115, Ming Sheng E. Road, Sec. 3
   Taipei, Taiwan, ROC
   Tel. 886-2-7171518.
   Fax. 886-2-7138041.

   [1] Name of product series: Golden Butterfly, Dyna Font (TM).

   [2] Fonts and styles (both orthographic and simplified Chinese character (Hanzi) shapes, Japanese Kanji fonts and Korean Hanja fonts are available):

(1) Ming Font: Light Boldface (DLC–Ming Light), Medium Boldface (DLC–Ming Medium), Boldface (Blackface, DLC Ming Bold), Extra Boldface (DLC–Ming Extra Bold).
(2) Gothic Font: Medium Boldface (DLC–Hei Medium), Boldface (Black Boldface, DLC–Hei Bold), Extra Boldface (DLC–Hei Extra Bold).
(3) Round Gothic Font: Light Boldface (DLC–Round Gothic Light), Boldface (Blackface, DLC–Round Gothic Bold), Extra Boldface (DLC–Round Gothic Extra Bold).
(4) Kai Font (Standard writing style): Medium Boldface (DLC–Kai Medium).
(5) Lih Shu Font: DLC–Li Medium.
(6) Imitated Sung Font: Medium Boldface (DLC–Font Sung Medium).
(7) Studio Artistic Font: DLC–Art Style–1.
(8) Shyng Shu Font: Medium Boldface (DLC–Shing Shu Medium).
(9) Poster Font: DLE–PopStyle–1.
(10) Kan–Ting–Liu Font: DLC–Kanting liu.

[3] Pixels/Sizes: 16×16, 20×20, 24×24, 64×64, 16×16–4,096×4,096.
[4] No. of characters (Hanzi)/Set and Internal Code: 6,662, 11,151, 13,051 (Big–5 Code), 17,266 (CNS Code), 16,242 (Taiwan Telegraph Code).
[5] Techniques adopted: Dot Matrix, Vector, PostScript, TrueType.

2. Manufacturer : **Eastern Graphics Technology, Ltd.**
11 F, 168, Yung Chi Street
Taipei, Taiwn, ROC
Tel. 886–2–7607976.
Fax. 886–2–7673474.

[1] Name of product series: SINOFONT.
[2] Fonts and styles (both orthographic and simplified Chinese character (Hanzi) shapes, Japanese Kanji fonts and Korean Hanja fonts are available):
(1) Ming Font: Light Boldface, Medium Boldface, Boldface (Blackface), Heavy Boldface, Extra Boldface.
(2) Round Gothic Font: Light Boldface, Medium Boldface, Boldface (Blackface), Heavy Boldface, Extra Boldface, Ultra Boldface.
(3) Gothic Font: Light Boldface, Medium Boldface, Boldface (Blackface), Heavy Boldface, Extra Boldface.
(4) New Gothic Font: Light Boldface, Medium Boldface, Boldface (Blackface), Heavy Boldface, Extra Boldface.
(5) Nansung Font (Imitated Suing Font): Light Boldface, Medium Boldface, Boldface (Blackface).
(6) Kai Font (Standard writing style): Light Boldface, Medium Boldface, Boldface (Blackface).
(7) Lei Font (Lih Shu Font): Light Boldface, Medium Boldface, Boldface (Blackface).

(8) Sin Font (Shyng Shu Font): Medium Boldface.

[3] Pixels/Sizes: 16×16-2,047×2,047.

[4] No. of characters (Hanzi)/Set and Internal Code: 13,060 (Big-5 Code).

[5] Techniques adopted: Dot Matrix, Vector, PostScript, Truetype.

3. Manufacturer : **ETEN Information System Co., Ltd.**
59, Mei-Ning Street
Tai-Shan Hsiang
Taipei Hsien, Taiwan, ROC
Tel. 886-2-2962900.
Fax. 886-2-9097984.

[1] Name of product series: TLFONT(Tou-Lung Font).

[2] Font and styles (both orthographic and simplified Chinese character (Hanzi) shapes, Japanese Kanji fonts and Korean Hanja fonts are available).

(1) Ming Font: Single-Stroke Lettering (Skeleton), Light Boldface, Medium Boldface.

(2) Round Gothic: Single-Stroke Lettering (Skeleton), Light Boldface, Medium Boldface, Boldface (Blackface).

[3] Pixels/Sizes: 1-4,096 dots/in.

[4] No. of characters (Hanzi)/Set and Internal Code: 13,827 (Big-5 Code).

[5] Techniques adopted: Dot Matrix, PostScript.

4. Manufacturer : **Indeed Information Computer Co., Ltd.**
217, Food Road
Hsin Chu City, Taiwan, ROC
Tel. 886-2-035-245579.
Fax. 886-2-035-249958.

[1] Name of product series: Beaut-Font.

[2] Font and styles (both orthographic and simplified Chinese character (Hanzi) shapes are available):

(1) POP (Poster Font).

(2) CHMI (Super Boldface Ming Font).

(3) CHHA (Super Gothic Font).

(4) JOER (Studio Artistic Font).

(5) SISU (Shyng Shu Font).

(6) KNTI (Kan-Ting Liu Style Font).

(7) LISU (Lih Shu Font).

(8) TAKU (Light Ancient Style Font).

(9) DAYA (Overlap Round Gothic Font).

(10) MOKA (Kai Font, Chinese paint brush standard writing style).

[3] Pixels/Sizes: 24×24 to 4,096×4,096; 24×24 to 50,000×50,000 for professional typesetting.

[4] No. of characters (Hanzi)/Set and Internal Code: 7,000, 13,051 (Big-5 Code).

[5] Techniques adopted: Vector, 4D Bezier Curves.

5. Manufacturer: **NTK-NewTek Inc.**

B1, 129, Sec, 2, Chien Kow N. Rd.
Taipei, Taiwan, ROC
Tel. 886-2-5165875.
Fax. 886-2-5015274.

[1] Name of product series: NewEPS, NewType, NewFont.

[2] Font and styles (both orthographic and simplified Chinese character (Hanzi) shapes are available):

(1) Ming Font: Light Boldface, Medium Boldface, Heavy Boldface, Super Boldface.
(2) Kai Font (Standard writing style): Medium Boldface, Heavy Boldface, Extra Boldface.
(3) Lih Shu Font: Kern-ended Boldface, Medium Boldface, Heavy Boldface, Extra Boldface.
(4) Imitated Sung Font: Medium Boldface.
(5) Shyng Shu Font: Medium Boldface, Heavy Boldface.
(6) Black Font: Light Boldface, Medium Boldface, Heavy Boldface, Extra Boldface, Super Boldface, Overlap Boldface.
(7) Gothic Font: Light Boldface, Medium Boldface, Heavy Boldface, Extra Boldface, Overlap Boldface.
(8) Juann Font: Medium Boldface.
(9) Biann Font: Medium Boldface, Heavy Boldface.
(10) Artistic Font:
A. Studio Artistic Font.
B. Light Ancient Style Font.
C. Kan-Ting Liu Style Font.
D. New Style Font.

[3] Pixels/Sizes: 24×24 and up.

[4] No. of characters (Hanzi)/Set and Internal Code: 5,809, 13,053 (Big-5 Code).

[5] Techniques adopted: PostScript, TrueType, Far-East TrueType, EPS-Encapsulated PostScript.

6. Manufacturer: **JOIN Computer Co., Ltd.**

2nd F., 620 Chung Hsiao East Road, Sec. 7
Taipei, Taiwan, ROC
Tel. 886-2-7826862.
Fax. 886-2-7859136.

[1] Name of product series: Ta-Han Character (CJIK) Set (CCCII/CCDB, EACC Character Set and Code).

[2] Fonts and styles (both orthographic and simplified Chinese character (Hanzi) shapes, Japanese Kanji fonts and Korean Hanja fonts are available):
(1) Ming Font: Single-Stroke Lettering (Skeleton), Light Boldface, Medium Boldface.
(2) Imitated Sung Font: Single-Stroke Lettering (Skeleton), Light Boldface, Medium Boldface.
(3) Kai Shu Font: Light Boldface, Medium Boldface, Boldface (Blackface).

[3] Pixels/Sizes: 16×16, 24×24, 64×64

[4] No. of characters (Hanzi)/Set and Internal Code: 22,000, 33,000, 54,000 (Big-5, IBM 5550, Taiwan Telegraph Code, CCCII/CCDB, ANSI/NISO Z39.64 East Asian Character Code-EACC, CJK).

[5] Techniques adopted: Dot Matrix.

7. Manufacturer : **Huei Lian Computer Technology Co., Ltd.**
1st F., 11, Lane 140 Ming Sheng E. Road, Sec. 3
Taipei, Taiwan, ROC
Tel. 886-2-5455105.
Fax. 886-2-7125916.

[1] Name of product series: Top-Fonts.

[2] Fonts and styles (both orthographic and simplified Chinese character (Hanzi) shapes, Japanese Kanji Fonts and Korean Hanja Fonts are available):
(1) Hsin Lih Font (Refined and Graceful Font, Medium Boldface): Sung Font, Traditional Sung Font.
(2) Kai Font (Standard writing style): Medium Boldface.
(3) Gothic Font: Boldface (Blackface): Medium Boldface, Heavy Boldface, Extra Boldface.
(4) Ming Font: Light Boldface, Medium Boldface, Boldface, Super Boldface.
(5) Round Gothic Font: Light Boldface, Medium Boldface, Heavy Boldface, Extra Boldface, Super Boldface, Round-Top Boldface, Overlap Boldface.
(6) Studio Artistic Font.
(7) Simplified Sung Font.
(8) Simplified Kai Font (Standard writing style).
(9) Simplified Imitated Sung Font.

[3] Pixels/Sizes: PostScript Type one adopted.

[4] No. of characters (Hanzi)/Set and Internal Code: 3,760, 5,400, 6,700, 7,000, 8,000, 13,000, (Big-5 Code).

[5] Techniques adopted: Vector, PostScript, TrueType.

8. Manufacturer : **New Fairland Associates, Ltd.**
192, Chien Kuo N. Road, Sec. 2
Taipei, Taiwan, R.O.C.
Tel. 886-2-5162345.
Fax. 886-2-5053339.

[1] Name of product series: JETFONT.

[2] Fonts and styles (both orthographic and simplified Chinese character (Hanzi) shapes are available):
(1) Ming Font: Single-Stroke Lettering (Skeleton), Light Boldface, Medium Boldface, Heavy Boldface, Extra Boldface.
(2) Pin-Point Pen Style Font.
(3) Gothic Font: Light Boldface, Medium Boldface, Heavy Boldface.
(4) New Light Boldface Font.
(5) Round Gothic: Light Boldface, Medium Boldface, Heavy Boldface.
(6) Kai Font (Standard writing style): Light Boldface, Heavy Boldface.

[3] Pixels/Sizes: 1-6,400 dots.

[4] No. of characters (Hanzi)/Set and Internal Code: 13,947 (Big-5 Code), 20,000 (Taiwan Telegraph Code).

[5] Techniques adopted: Outline Font (Bezier curve).

9. Manufacturer : **UZN Inc.**
5th F., 309 Fu-Hsing N. Rd.
Taipei, Taiwan, ROC
Tel. 886-2-7188000
Fax. 886-2-7184523

[1] Name of product series: Super Chinese Font SCF.

[2] Font and Styles (both orthographic and simplified Chinese character (Hanzi) shapes, Japanese Kanji fonts and Korean Hanja fonts are available):
(1) Kai Font: Light Boldface, Medium Boldface, Wei Style (a popular writing font in Wei Dynasty) Boldface.
(2) Ming Font: Light Boldface, Medium Light Boldface, Heavy Boldface, Heavy Boldface, Extra Boldface, Super Boldface, Square Boldface.
(3) Imitated Sung Font: Light Boldface, Medium Boldface, Heavy Boldface, Extra Boldface, Super Boldface.
(4) Round Gothic: Light Boldface, Medium Boldface, Heavy Boldface, Extra Boldface, Super Boldface, Outline Boldface, Super Outling Boldface.
(5) Studio Artistic Font.
(6) Lih Shu Font: New Style Boldface, Han Style Boldface, Standard Style Boldface.
(7) Wei Bei (A popular writing font of epitaph engraved on a monument in Wei Dynasty) Writing Style Font.

(8) Juan Font (Both Dah Juan and Shiau Juan writing font of Chin Dynasty engraved on jade, stone, bones and shells).
(9) Shyng Shu Font.
(10) Shih Ku Wen Font (a popular writing font engraved on flattened metal and stone in Yin and Shang Dynasties).

[3] Pixels/Sizes: 24×24 to 50,000×50,000 for professional typesetting and printing.
[4] No. of characters (Hanzi)/Set and Internal Code: 11,000 (Big-5, for titles and headings), 14,000 (Big-5), 9,600 (GB Code), and 18,000 (Big-5 Code).
[5] Techniques adopted: Dot Matrix, Outline, PostScript TrueType and 3-D Drawings of CAD.

10. Manufacturer : **LeadTrust Information Inc.**
8th, 465, Sec. 6,
Chung Hsiao E. Rd.,
Taipei, Taiwan, ROC
Tel. 886-2-7888266
Fax. 886-2-7859936

[1] Name of product series: LeadTrust Font.
[2] Fonts and styles: (Only orthographic Chinese character (Hanzi) is available).
(1) Sung Font: Light, Medium, Boldface, Extra Boldface, Super Boldface.
(2) Gothic Font: Light, Medium, Boldface, Extra Boldface, Super Boldface.
(3) Round Font: Light, Medium, Boldface, Extra Boldface, Super Boldface.
(4) Shyng Shu Font: Medium Boldface.
(5) Fang Sung (Imitated Sung) Font: Medium Boldface.
(6) Kai Font (Standard writing style): Standard Medium, Medium Boldface.
(7) Kan Ting (Kan-Ting Liu Style) Font: Super Boldface.
(8) Lih Shu Font: Light, Medium Boldface.
(9) New Gothic Font: Medium Boldface.
(10) New Round Font: Medium Boldface.
(11) Studio Artistic Font: Super Boldface.
(12) New Sung Font: Light, Medium Boldface.
(13) Ancient Style Font: Medium Boldface.
(14) Yen (Yen Chen-ching Style) Kai Font: Boldface.
(15) Overlapped Gothic Font: Super Boldface.
[3] Pixels/Sizes: Outline.
[4] No. of characters (Hanzi)/Set and Internal Code: 14,500 (Big-5 Code).
[5] Techniques adopted: Dot Matrix, Vector, PostScript, Trutype.

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