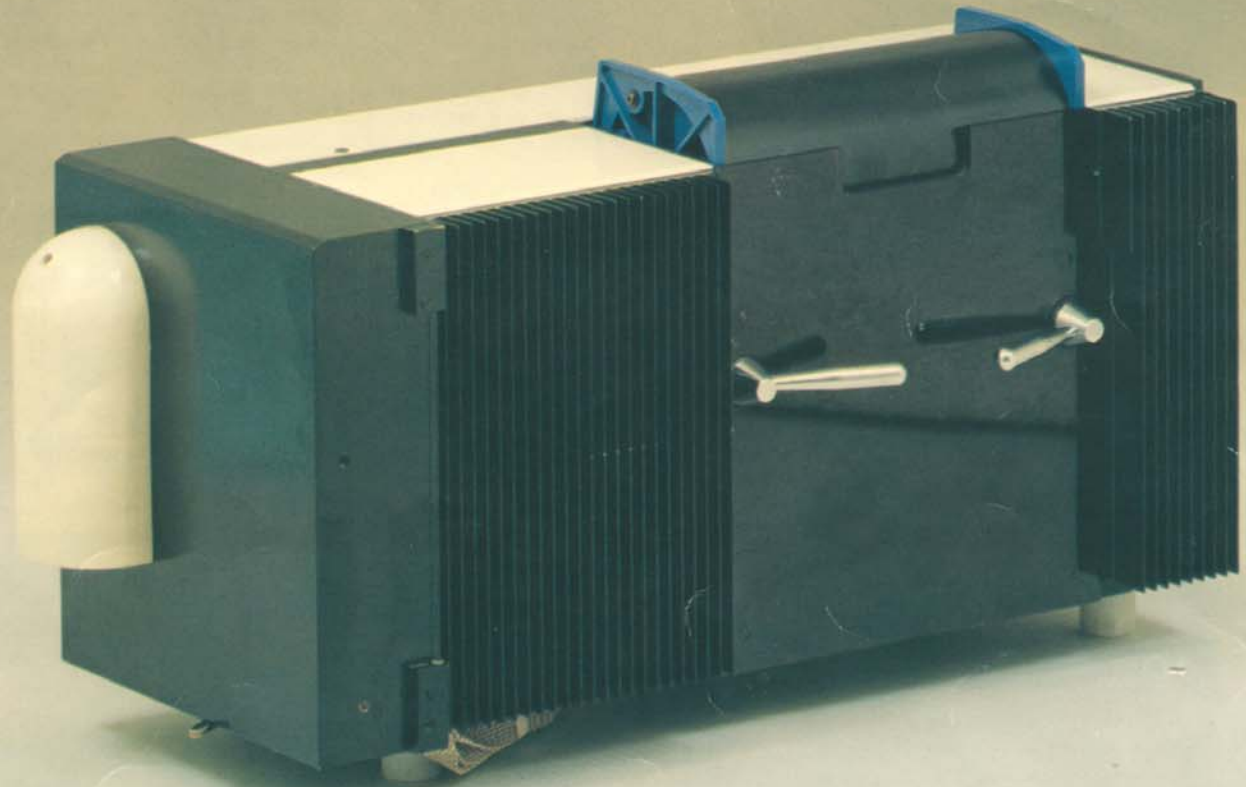


BABYSET



NANOTRONICS





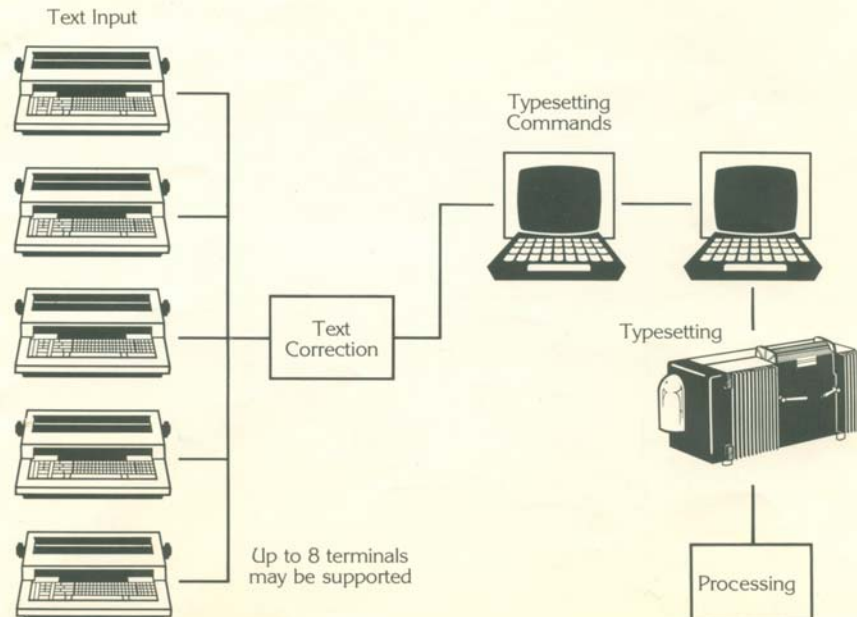
An evolutionary design in phototypesetting systems

BABYSET is a complete phototypesetting system designed and built to international standards and specifications for the needs of today's electronic phototypesetting installations.

The heart of the system is the BABYSET phototypesetting unit, the smallest of its kind in the world. Such dimensions permit the whole system to be actually put on a table, something thought unbelievable only a few years ago. This has now been accomplished by the use of highly advanced micro-electronics and micro-mechanics. The BABYSET does not however, merely offer a compact design but also a high technical performance: Eight fonts (max.) are directly accessible with point size selection from 5.5 to 36 pt. Each font contains 112 characters, making a total of 896 different sizes! Speeds of 120,000 characters per hour are double the speed of some second generation typesetters and compare very favorably with the remainder.

The BABYSET is the basis for future expansion and enhancement. Our advanced technology provides the capability for software and hardware developments. Software packages are continuously being upgraded and made available on floppy discs for easy updating.

The BABYSET gives great operational flexibility. It has a very favourable price/performance ratio and will provide a successful future for any company in the typesetting field.



System design aimed at minimizing running costs

The system's components are selected so that the overall running costs are minimum without sacrificing system performance. The diagram on the opposite page illustrates the basic structure and capabilities of the system. As it can be seen one typesetter can support up to eight operators. The individual components are:

Babyterm Terminal: The Babyterm is easy to operate with a clear and conveniently laid out keyboard. The glare-free visual display is used for the control of text input and operator conversation with the Babysset typesetting program. Job instructions are set out at the top: point size, line length, leading, font type and so on. Then comes the actual text. The Babysset typesetting program gives you total flexibility and the possibility of composing everything from footnotes to headlines, intermix the type styles and sizes, vary the spacing and edit the text as you go. In addition automatic hyphenation programs permit the typesetting of a job with no operator intervention. The floppy discette unit lets you simultaneously record whatever you're typing on the keyboard. All the characters and functions are stored on a floppy discette. You can revise and update the job as well as replay the discette for additional printouts. Storage capacity is a total of 288,000 characters, the equivalent of over 200 average pages.

Supertype Terminal: A low cost alternative terminal for the input of raw text. Some of its advantages are: can be operated by a typist and not by a trained operator; proofreading may be done from the typewriters's copy and the text then transferred by a patented system to the Babyterm discette unit where from it can be typeset. This results in considerable savings in photographic paper. Typographic commands may also be given from the typewriter if required. Storage capacity is 8,000 characters.

Babyprint printer: A high quality dot matrix character printer may be connected to a Babyterm terminal, printing at speeds of 80 cps. The resulting proof shows all hyphenation points, line endings and if desired typographic commands. Output via a Babyprint provides a fast and low cost alternative, in cases where large amounts of text are processed. A daisy wheel printer, giving better character quality, but at less speed may be optionally connected.

All in all a sophisticated, economical system, easy to install and operate without sacrifice of quality.



BABYSET

SPECIFICATIONS

Configuration: Stand-alone phototypesetting system: keyboard, video display, 64 K all-RAM memory, magnetic disk storage/retrieval, photo unit (dual floppy optional)

Keyboard: 49 typewriter-oriented keys; 29 additional keys for editing and typographic control.

VIDEO DISPLAY

Screen size: 28x20 cm distortion-free CRT; displays characters equivalent to 22-pt. type with space for accents above upper and lower case characters; green characters on black background (yellow chars. optional).

Screen text capacity: Up to 512 characters in counting mode; up to 704 characters in edit/scroll mode.

Function field: 2-line display of job status.

Character set: Up to 256 upper and lower case alphanumeric characters, functions, and diagnostic symbols.

Cursor: Character-size rectangle; movement left or right, line-to-line wrap; single or continuous stepping.

Editing: Insert; delete character or line; overstrike of individual characters. With edit/scroll: insert, delete, block move, global search and replace.

Search: Automatic search: search tag up to five characters. With edit/scroll: global search and replace up to 7,000 characters.

Data storage: Up to 99 programmable data storage areas; alphanumerics and/or commands stored and automatically inserted.

PHOTO UNIT

Type sizes: 33 type sizes on-line from 5 1/2 to 36 pts; all whole numbers plus 5 1/2 and 8 1/2 pts. Unlimited mixing.

Type styles: Four type styles on-line. (Unlimited mixing (8 optional).

Characters: 488 characters on-line.

Character widths: 1792 character widths automatically loaded.

Line length: 45 picas (42 1/2 cicerós).

Line spacing (leading): Primary, secondary, and add-lead; each 0 to 99 9/10 pts. in 1/10 pt. increments.

Reverse carriage: Allows copy to be positioned to left of established left margin.

Output speed: 80 lines per minute (based on 11-pica line, 9-pt type)

Imaging material: Film, grade S paper, resin coated paper, width to 203 mm;

Flash intensity: Programmable-10 steps

SYSTEM FUNCTIONS

Justification: Operator selection of mode: automatic hyphenation with full hyphenation logic, exception dictionary, and discretionary hyphenation; automatic hyphenless; manual. Programmable standards.

Justification space control: Min/max, allowable justifying word space; max. allowable letterspace expansion; values operator programmable.

Copy positioning: Flush left, right, and centering automatic by keyboard command.

Mortise: By keyboard command in 1/2 point increments.

White space control: Reduction and addition of letterspace from 1/8 unit to 1 1/8 units in 1/8 unit graduations.

Tabular composition: Up to 99 tabs within overall measure; copy may be justified, flush left, right, or centered within tabs; automatic machine entry of stored tab formats.

Indent: Automatic left, right, centre.

Ragged composition: Automatic left, right and centre, can be reset to new line endings after entry of new parameters.

Leaders/rules/space: Automatic insertion of space, or any selected flashable character as horizontal leader or rule; and any selected width value.

Repeat line: Automatic repeat of any copy line as many times as required.

Line length remaining indicator: Shows line length remaining in units.

Copy depth indicator: Shows accumulation of depth in inches and points.

No flash: No-print function for copy-fitting purposes.

Word counter: Counts up to 99999 words.

FOREGROUND/BACKGROUND: Input/correction/storage/retrieval/editing of data in foreground; simultaneously with text exposure in background.

LANGUAGES

The BABYSET includes up to eight languages on-line. The languages are selected by keyboard command. The actual characters and accents of the language in use will appear on-screen. Languages that read from right to left will be displayed and set in that configuration.

Electrical: 220 V, 50 Hz, 3 amps.

Environmental requirements: Ambient temperature 15° - 32° C; relative humidity 10% to 90%.

Dimensions (cm)	Babyset	Babyterm
height	31	34
width	25	40
depth	64	55
weight	45 Kg	12 Kg

As a result of our policy of continued improvements in research and design, minor changes can occur to this specification without prior notice.



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