An overview about the development of typesetting system "Digiset"

Begin of development of Digiset: 1964

50 T 1   1966:

A pure output device as a cathode ray image setter with:
- a data input element
- the recording unit, which has a device control developed by Hell Font storage and the image setter (cathode ray tube).
- an automatic film developing machine

Text input is done:
- off-line via a paper tape input device or magnetic tape recorder
- online via a cable, connected to a rate calculator such as:
  Siemens 3003 and Siemens COZY type setting program

40 T 1   1971:

A pure output device
Typesetting computers/third-party systems are also required
        (E.g. Siemens computer with COZY)
 - Additional magnetic disk storage for significantly more fonts
 - Magnetic tape ME 2002: for text entry

40 T 10 1977:

A pure output device
 - The Siemens R 310 process computer replaces the Hell device control
- Font memory: the magnetic core memories are replaced by semiconductors
- Peripheral device connection via standard interface of the R 310 computer

400T 1 1974:

System image setter = typesetting calculator and output in one device
The structure corresponds to the 40T image setter, but:
- Disk storage oriented typesetting calculator with ZE 330 including the by Hell developed typesetting program DOSY
- new peripheral devices: e.g. DS2038/ 2069

20 T 1 1980:

Typesetting calculator/third-party systems still required
        (e.g. Siemens computer with COZY)
- Control: a Mini Computer 3965 R - Font storage: semiconductor
- Image setter: Cathode ray tube WITH fiberglass optics

Input:
 - Magnetic tape unit ME 2061 for text data,
 - Floppy Disc for: Control and utility programs, fonts

200T   1980:

System image setter:
 >>>> Control computer is exchanged for process computer R 30 with DOSY
Peripherals: e.g. DS2038/ 2069

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LS 210 1984:
A pure output device
- Laser image setter, polygon mirror, flatbed, image processor IP 100
- Data entry from third-party typesetting systems is also possible
- Color capable

Typesetting calculator:

HELLCOM:
ab 1967 zum Ausschießen für Bleisatz und DIGISET T 1

Siemens 3003 und 4004:
from 1966 program COSY (Siemens)

Siemens 404/3:
from 1974 program DOSY (Hell)

SICOMP M 30/ M70:
from 1985 also with program DOSY (Hell) (adapted to M –calculator)

SICOMP M56:
from end of 1980 including program DOSY (Hell) (adapted to M –calculator)

SICOMP: with *magnetic tape* and disk *storage* with 300 Mbytes

Typesetting software:

COSY: **CO**mputer-controlled typesetting **SY**stem

DOSY: **D**igiset **O**riented Typesetting **Sy**stem:
- a Hell-SW development completed in 1974
- New development/adaptation in 1976 for the Siemens ZE 330 process computer
- Basic typesetting program with expansion options for special ones typesetting tasks
  such as: telephone book/sport etc. DOS1, DOS2 DOS