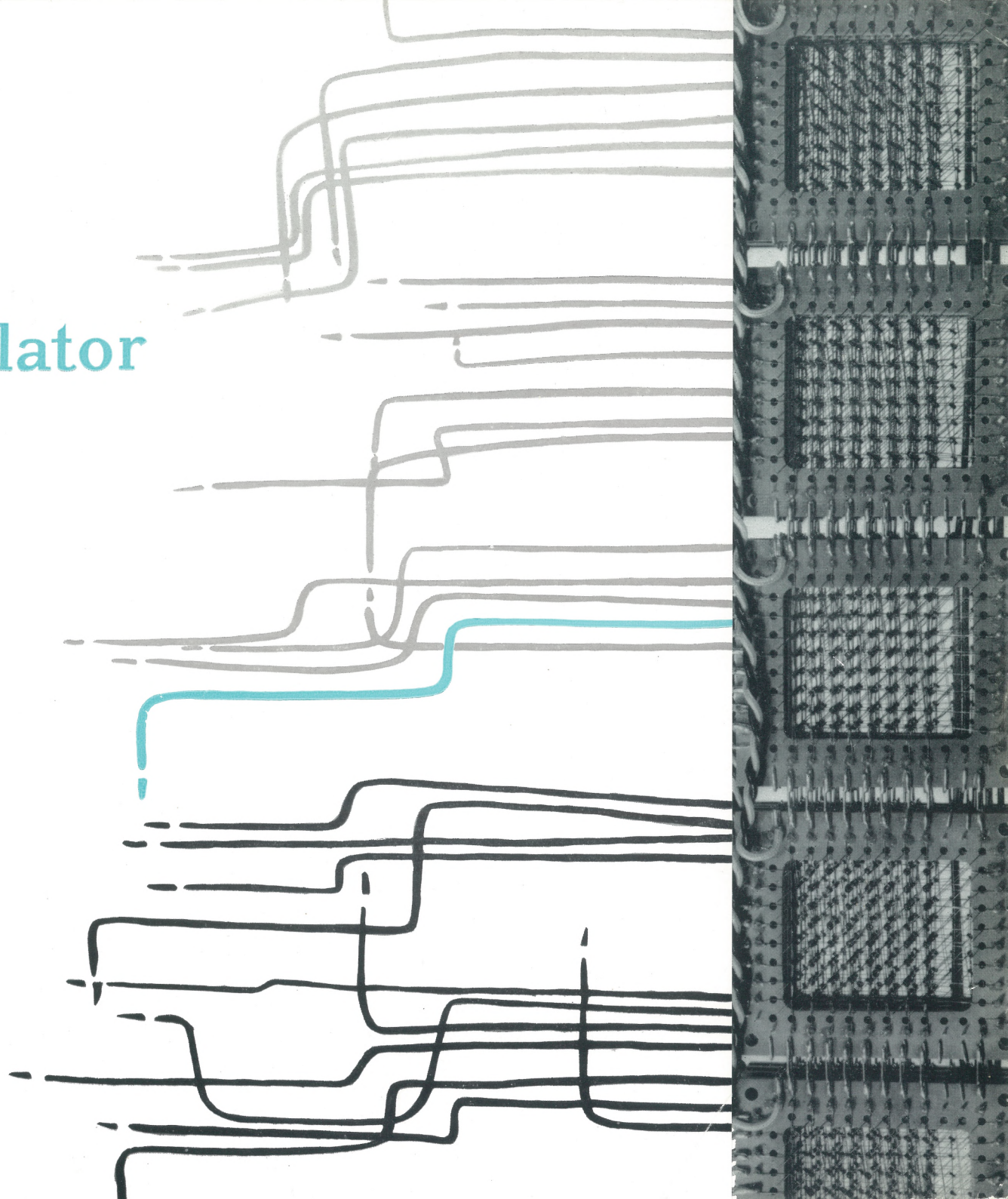


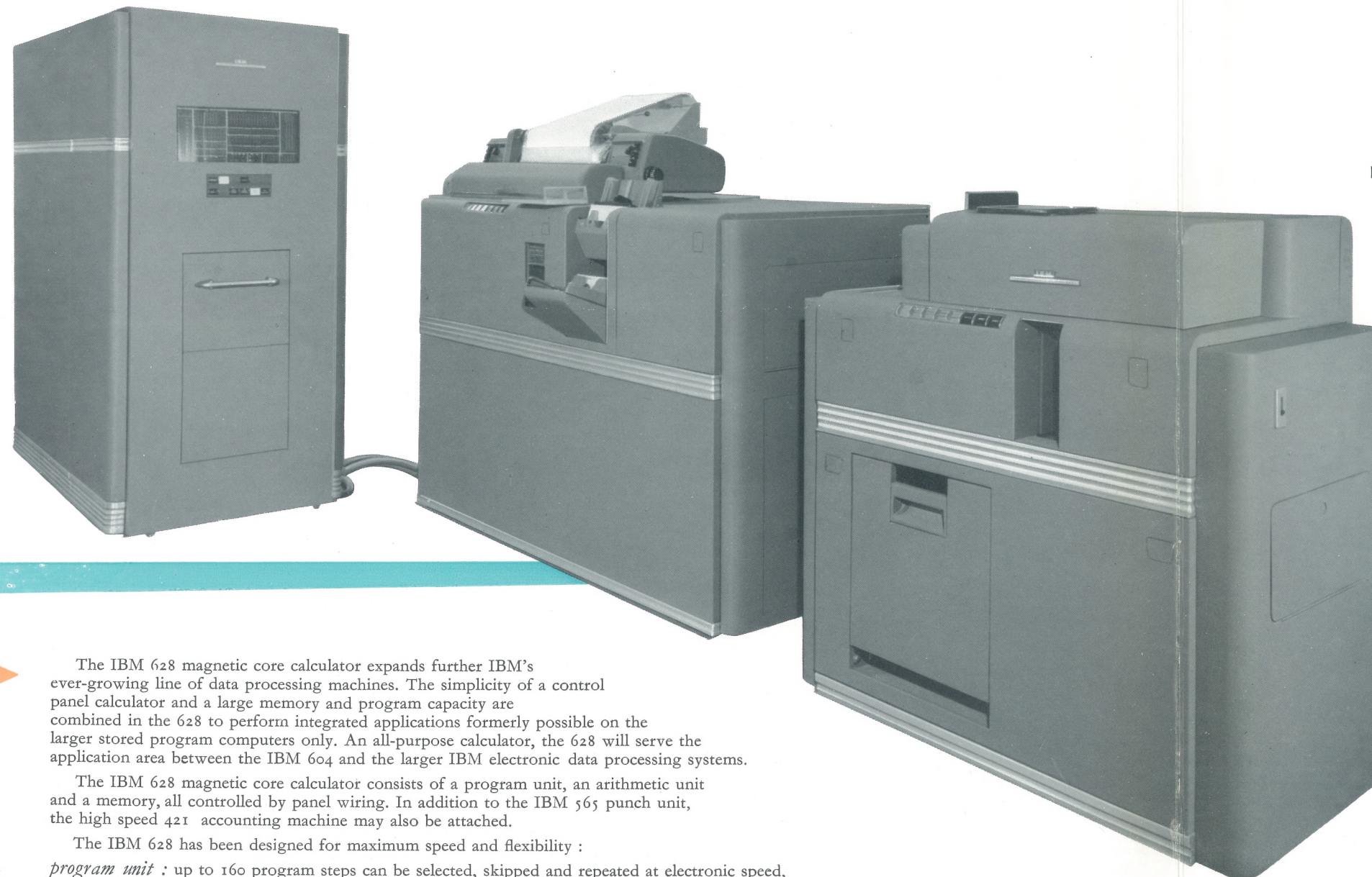
IBM

628

421
565

magnetic core calculator





More and better applications with the 628 magnetic core calculator ...



- for banks : in one run, statements of account numbers, interests and commissions are computed, fully checked and printed at the rate of 150 lines per minute.*
- for public utilities : bills are computed and verified, more information is printed, summary cards are punched without delay and further storage and program capacity remain available.*
- for industry : stock control statements are prepared as often as necessary and special reports are simultaneously printed giving all required elements for management decisions, payroll operations are performed more rapidly than before and the 628 memory provides the additional capacity needed for accumulating cost accounting statistics.*
- for insurance : tax rates are automatically assigned to each insured risk during premium billing and no previous sorting of the cards is necessary.*

The IBM 628 magnetic core calculator expands further IBM's ever-growing line of data processing machines. The simplicity of a control panel calculator and a large memory and program capacity are combined in the 628 to perform integrated applications formerly possible on the larger stored program computers only. An all-purpose calculator, the 628 will serve the application area between the IBM 604 and the larger IBM electronic data processing systems.

The IBM 628 magnetic core calculator consists of a program unit, an arithmetic unit and a memory, all controlled by panel wiring. In addition to the IBM 565 punch unit, the high speed 421 accounting machine may also be attached.

The IBM 628 has been designed for maximum speed and flexibility :

program unit : up to 160 program steps can be selected, skipped and repeated at electronic speed,

magnetic core memory : up to 320 positions of storage are all available for calculations with an access time of 10 millionth of a second per digit,

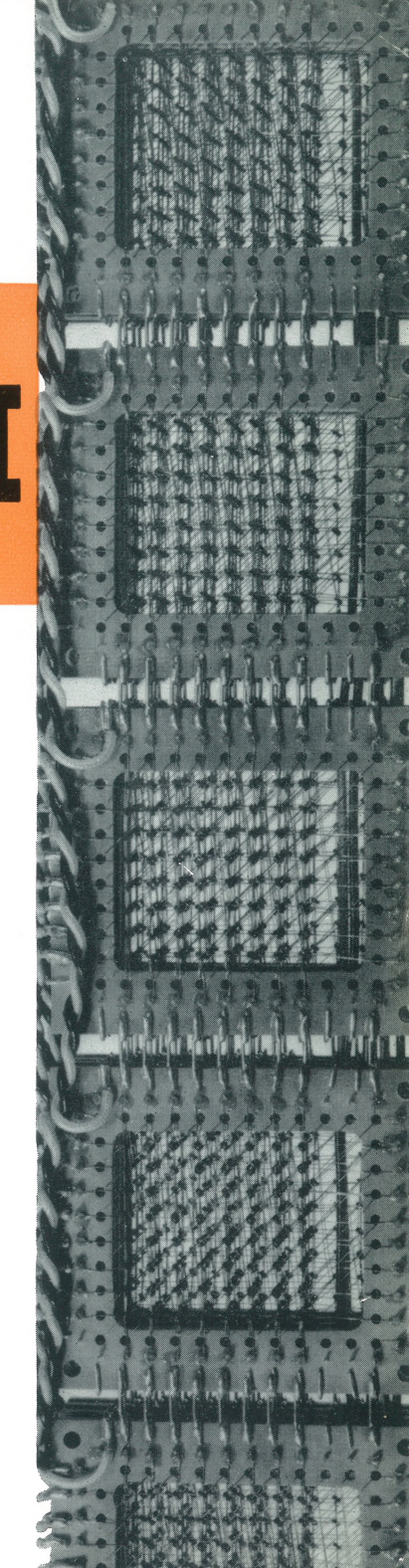
arithmetic unit : 16 position magnetic core with an average multiplication time of less than 9 milliseconds,

565 punch unit : operates at 100 cards per minute either as input - output in the basic system or as output only when the 421 is attached to the 628. In the latter case summary cards can be punched simultaneously with printing,

421 accounting machine : when attached reads 150 cards and prints 150 lines per minute,

checking features : complete check of the adder and validity check of the data flow.

	1949 : 604	1955 : 604-5/421	1958 : 628/421/565
STORAGE CAPACITY (in digits)	37	133	320
ACCUMULATOR CAPACITY	13	13	16
PROGRAM STEPS	60	70	160
INPUT : CARDS PER MINUTE	100	100	150
OUTPUT : LINES PER MINUTE	none	100	150
ADDITION SPEED (in microseconds)	500	500	180
CAPACITY OF ARITHMETIC UNIT	5x8	5x8	8x8
AVAILABLE ELECTRONIC CYCLES BETWEEN CARDS	250	441	844



IBM

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