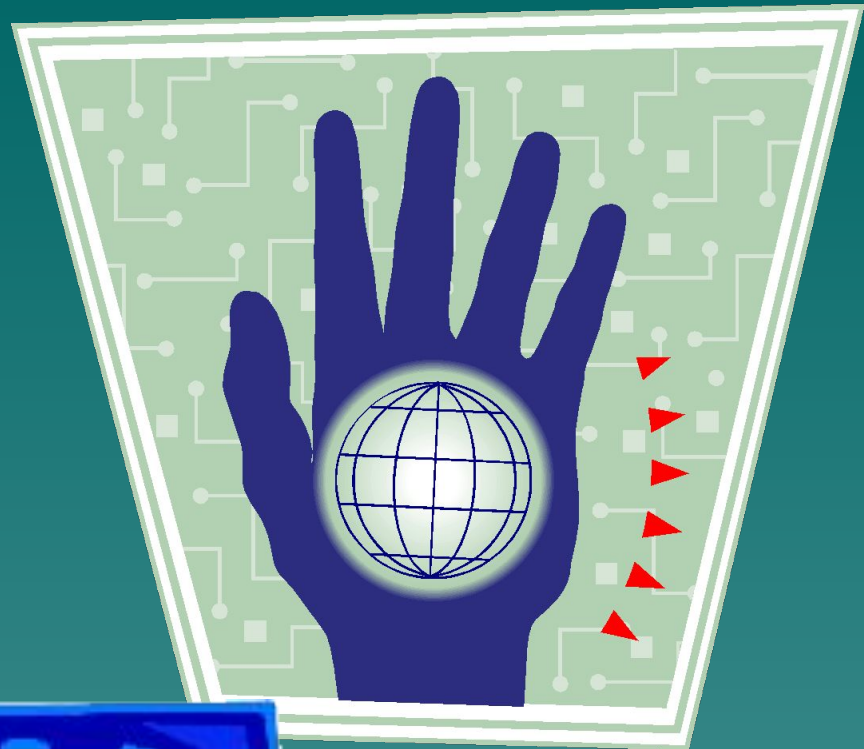
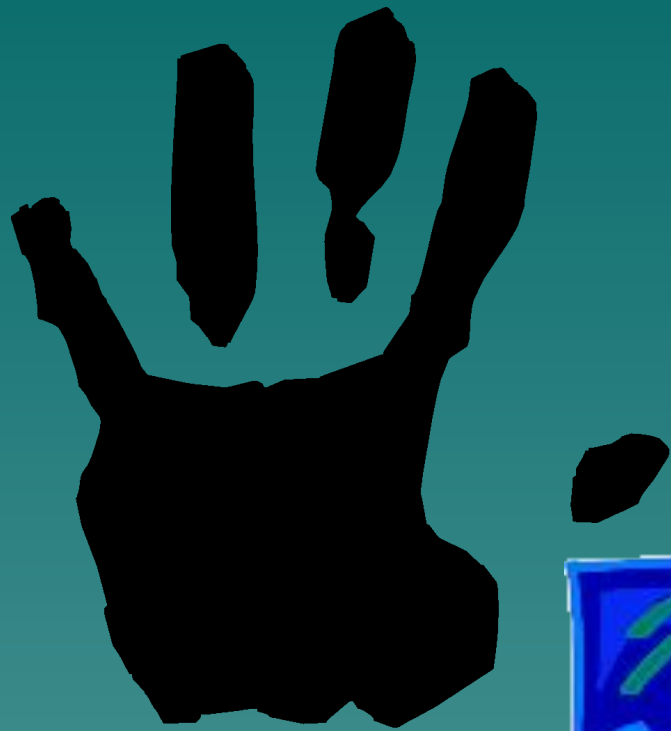
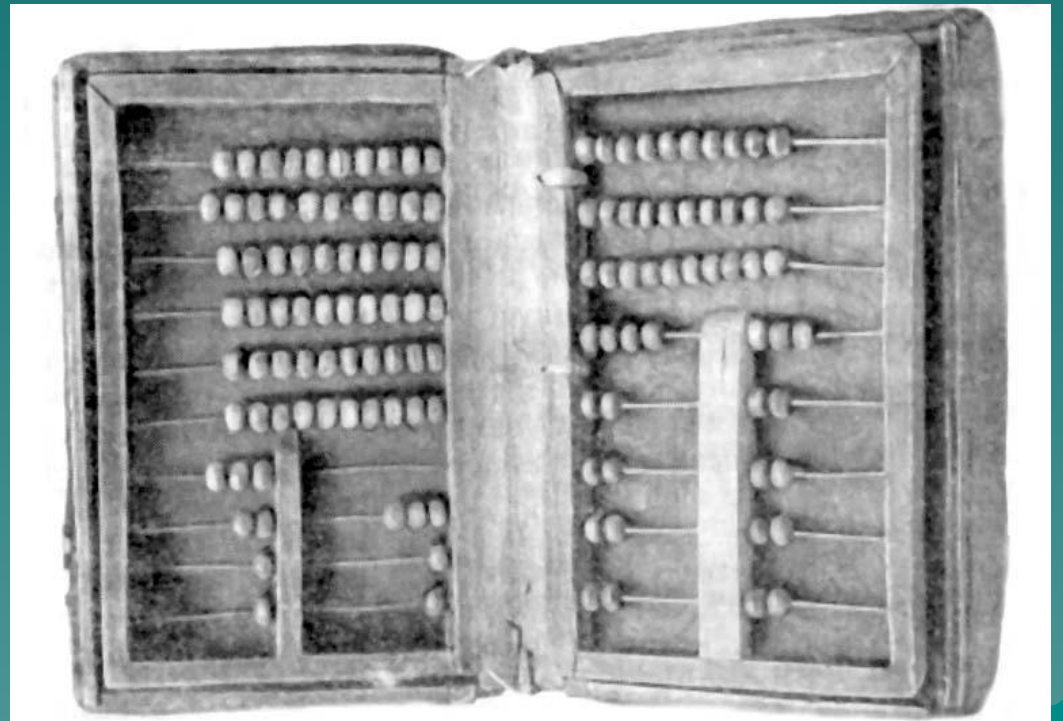


# Історія комп'ютерної техніки

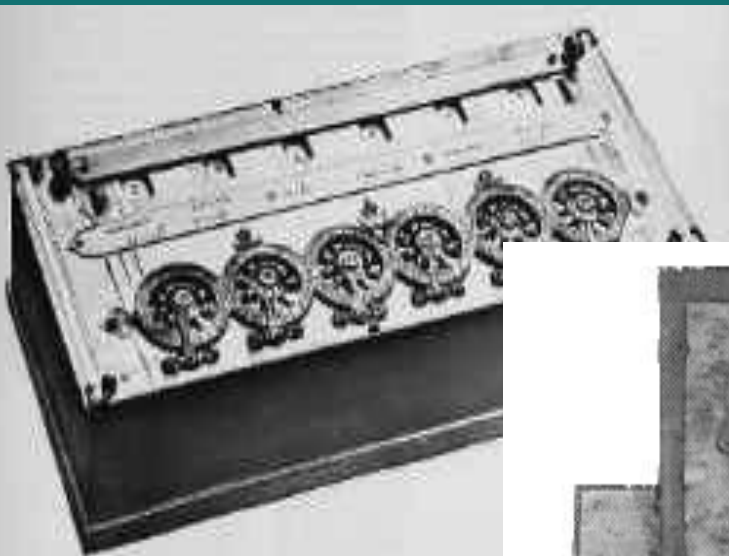




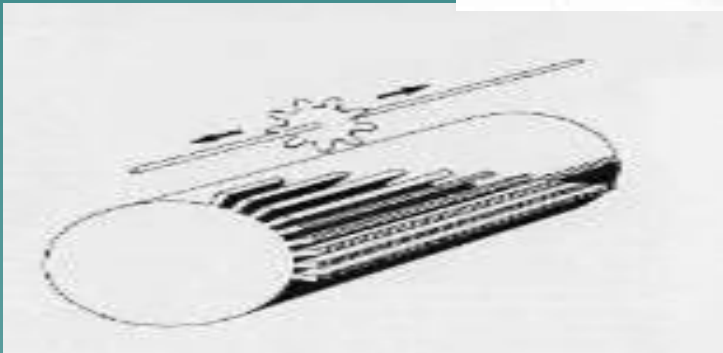
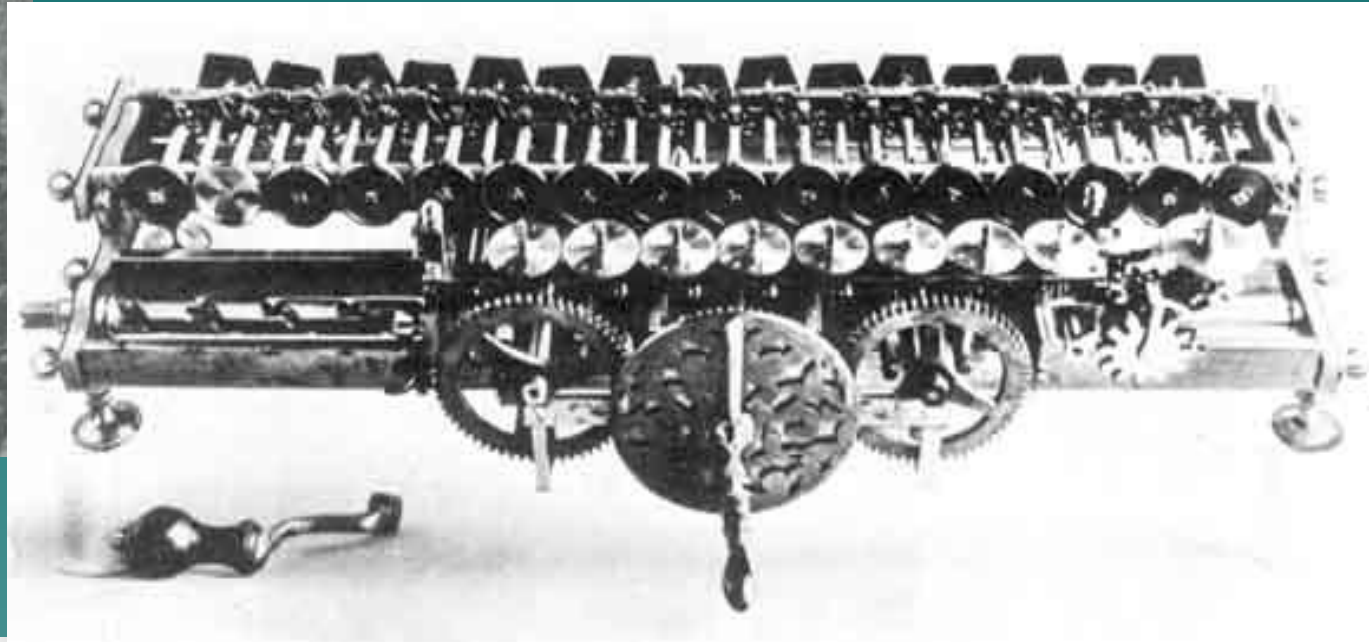
*рахівниця      абак*



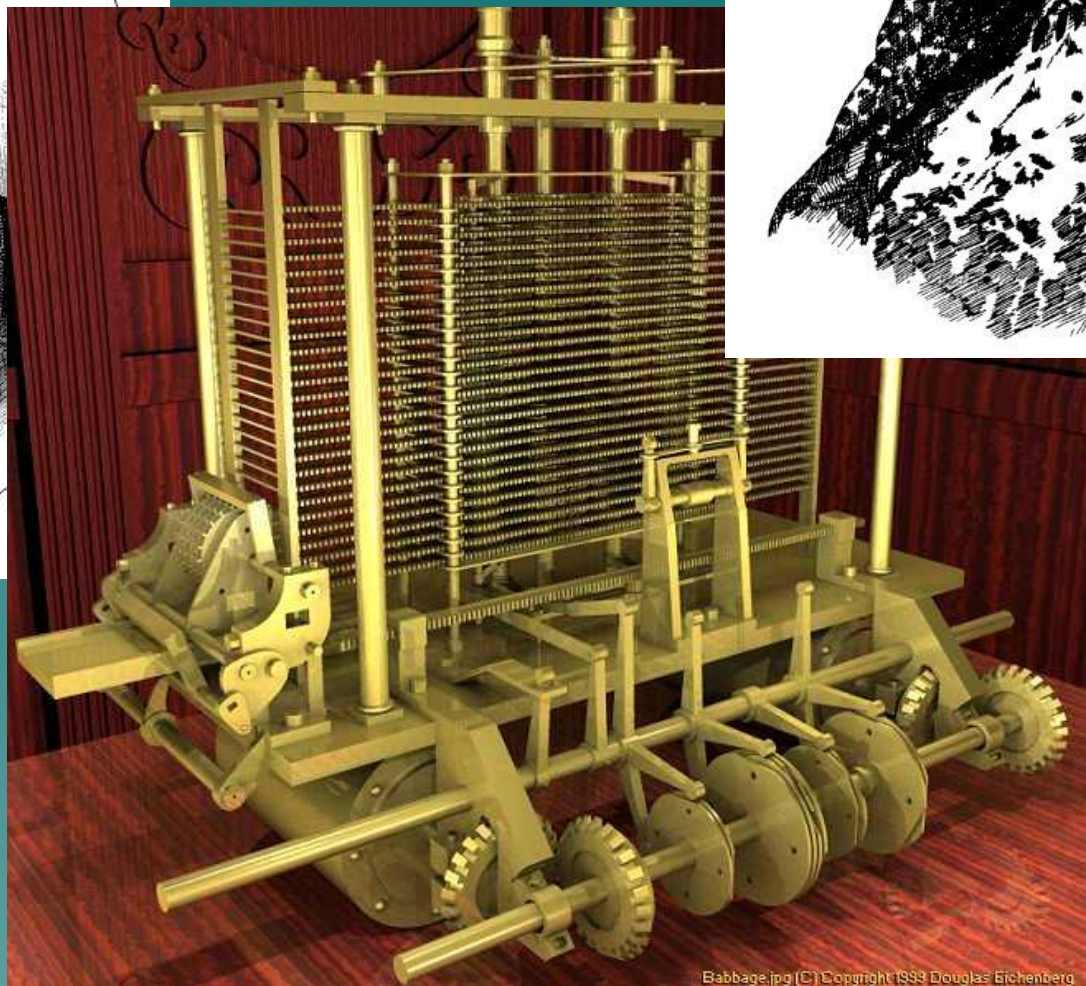
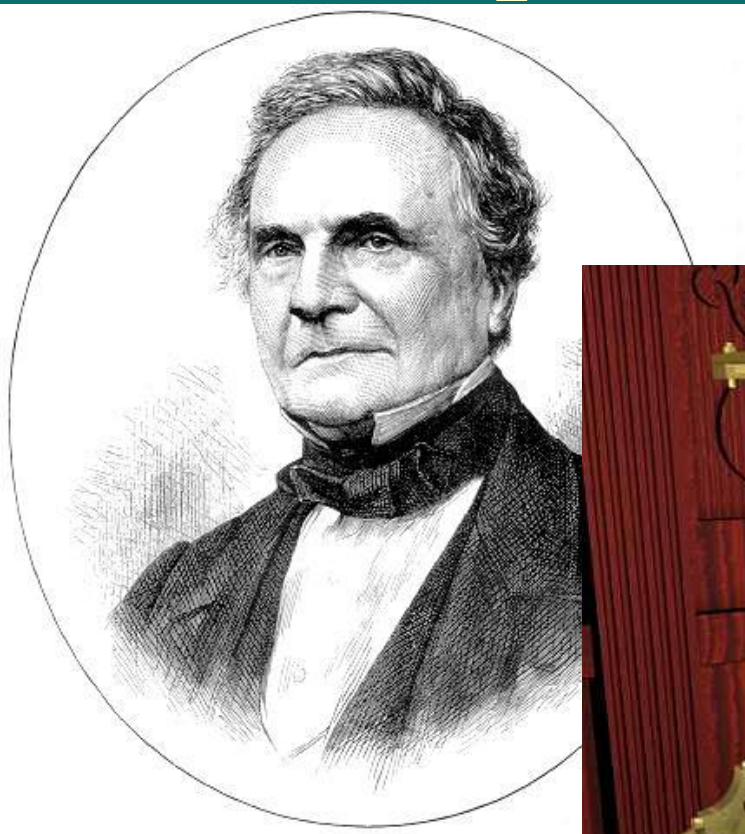
# 1642 Блез Паскаль



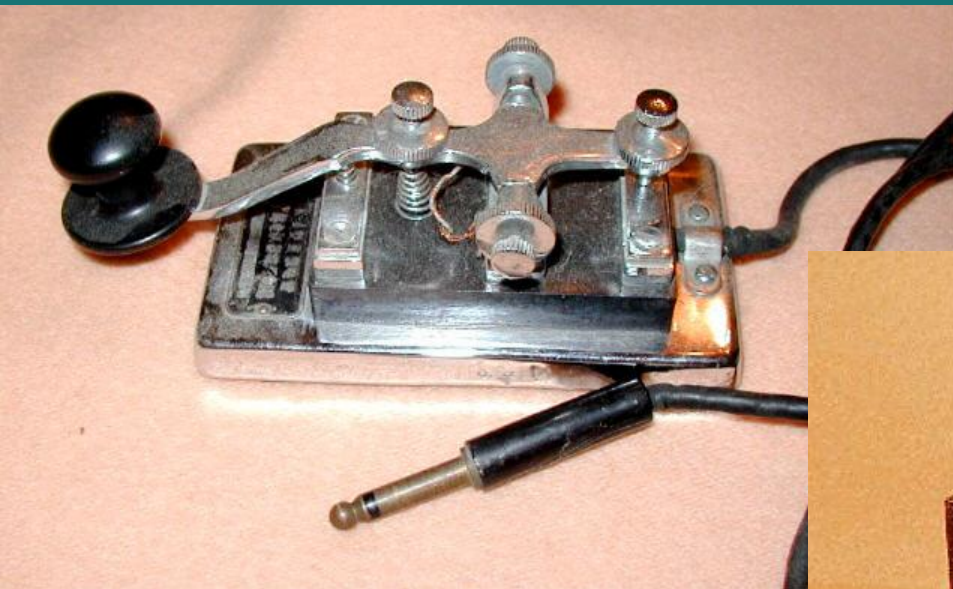
# 1673 Готфрід Вільгельм фон Лейбніц



# 1834 Чарльз Беббідж



# 1837 телеграф

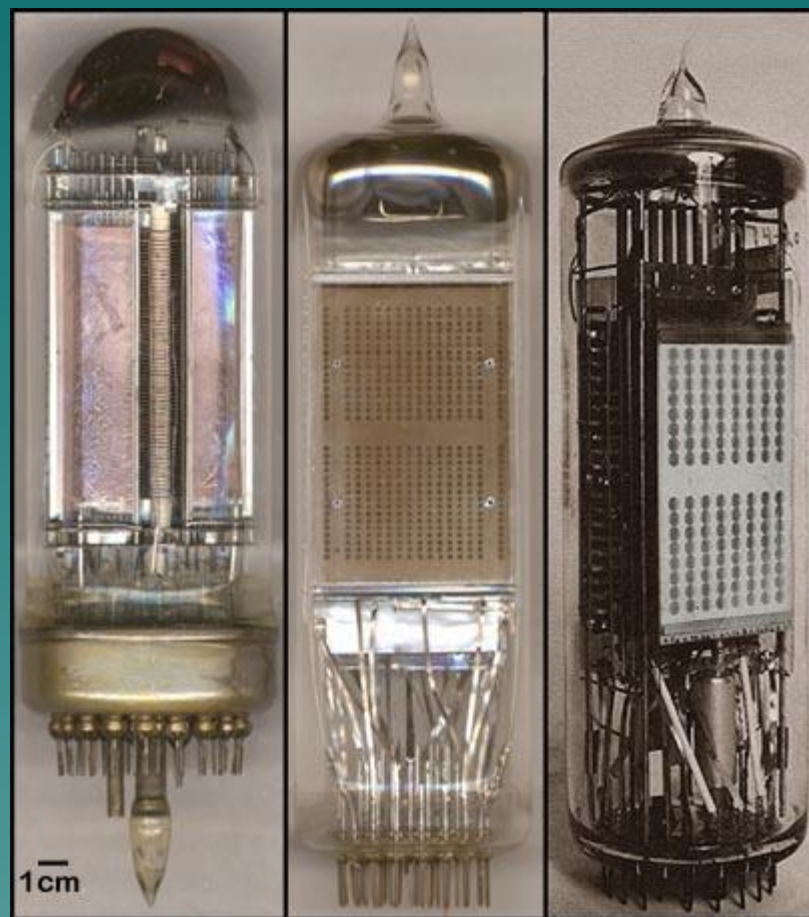


# 1876 телефон





# 1878 – електронна лампа



# 1924 IBM





# *1951 С. Лебедев МЕОМ*



# 1951 UNIVAC





# *1976 С. Возняк і С. Джобс*



# *1981 IBM PC*





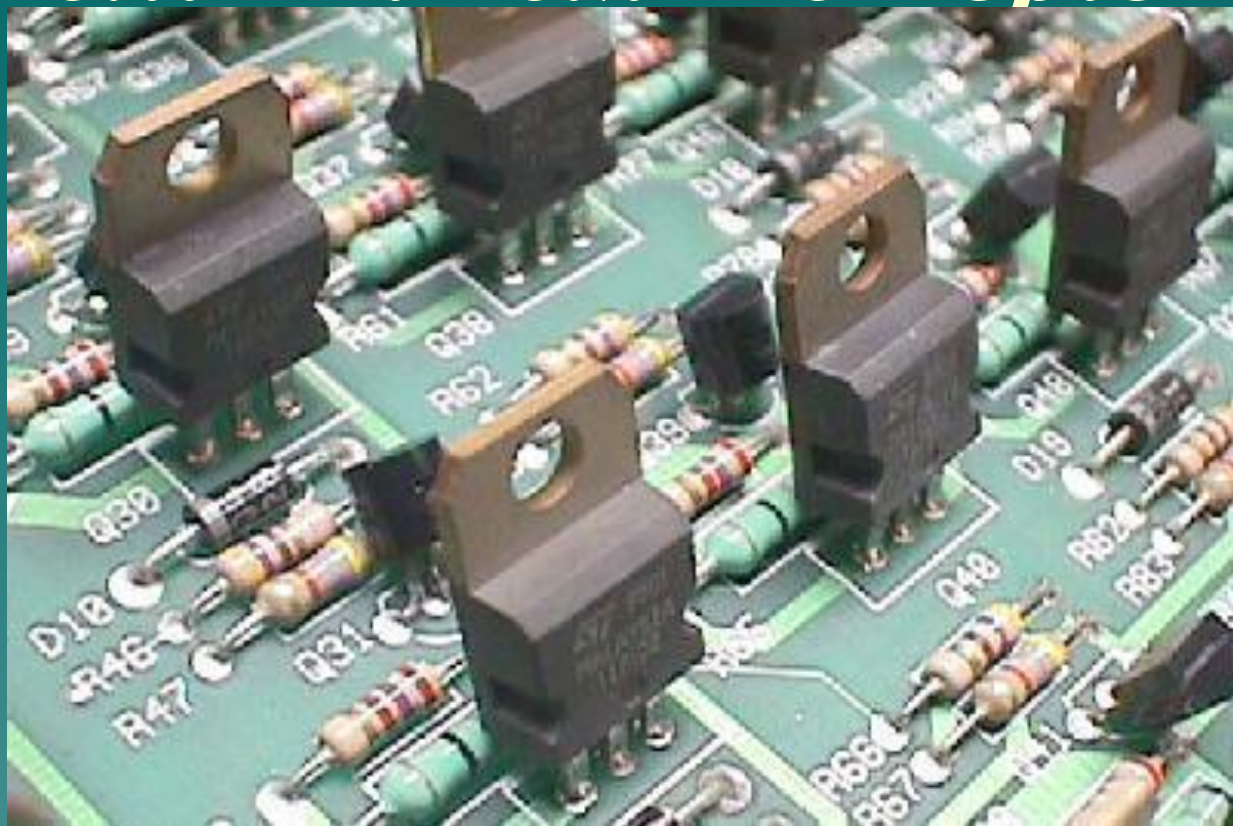
# *перше покоління комп'ютерів*



*вакуумні електронні  
лампи*



# *Друге покоління комп'ютерів*

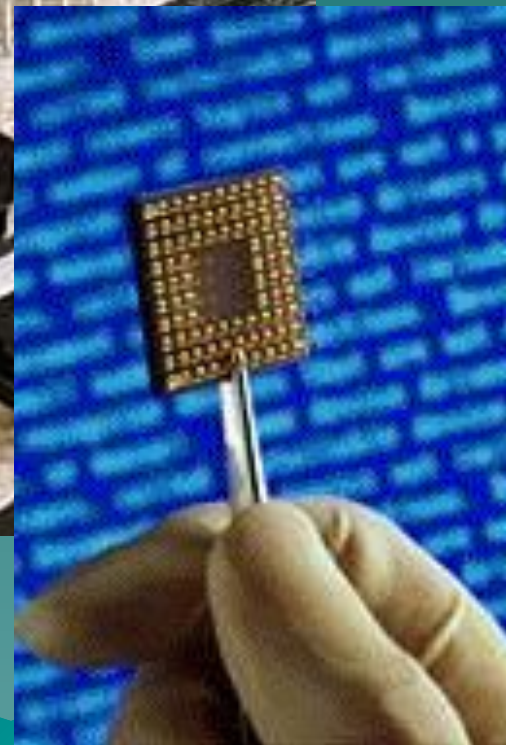
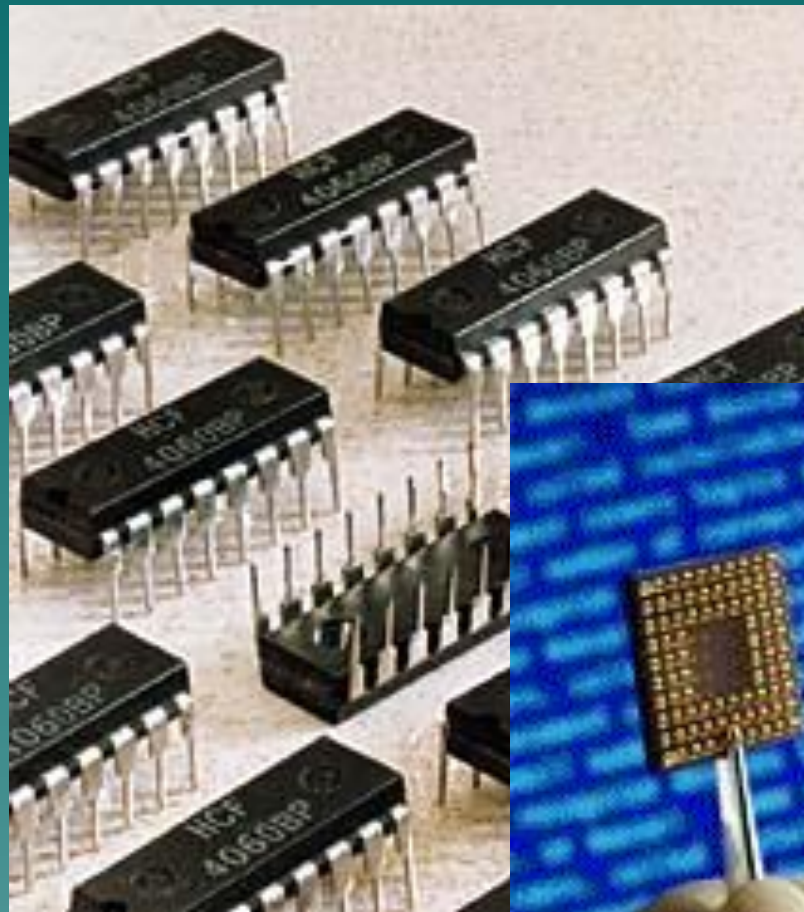


*транзистори  
напівпровідники*

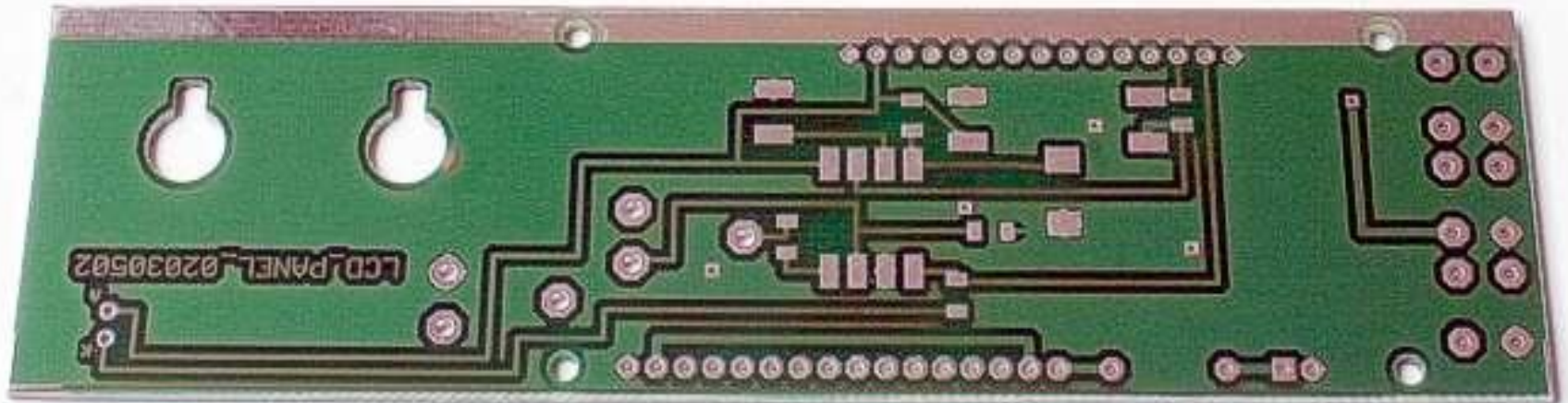
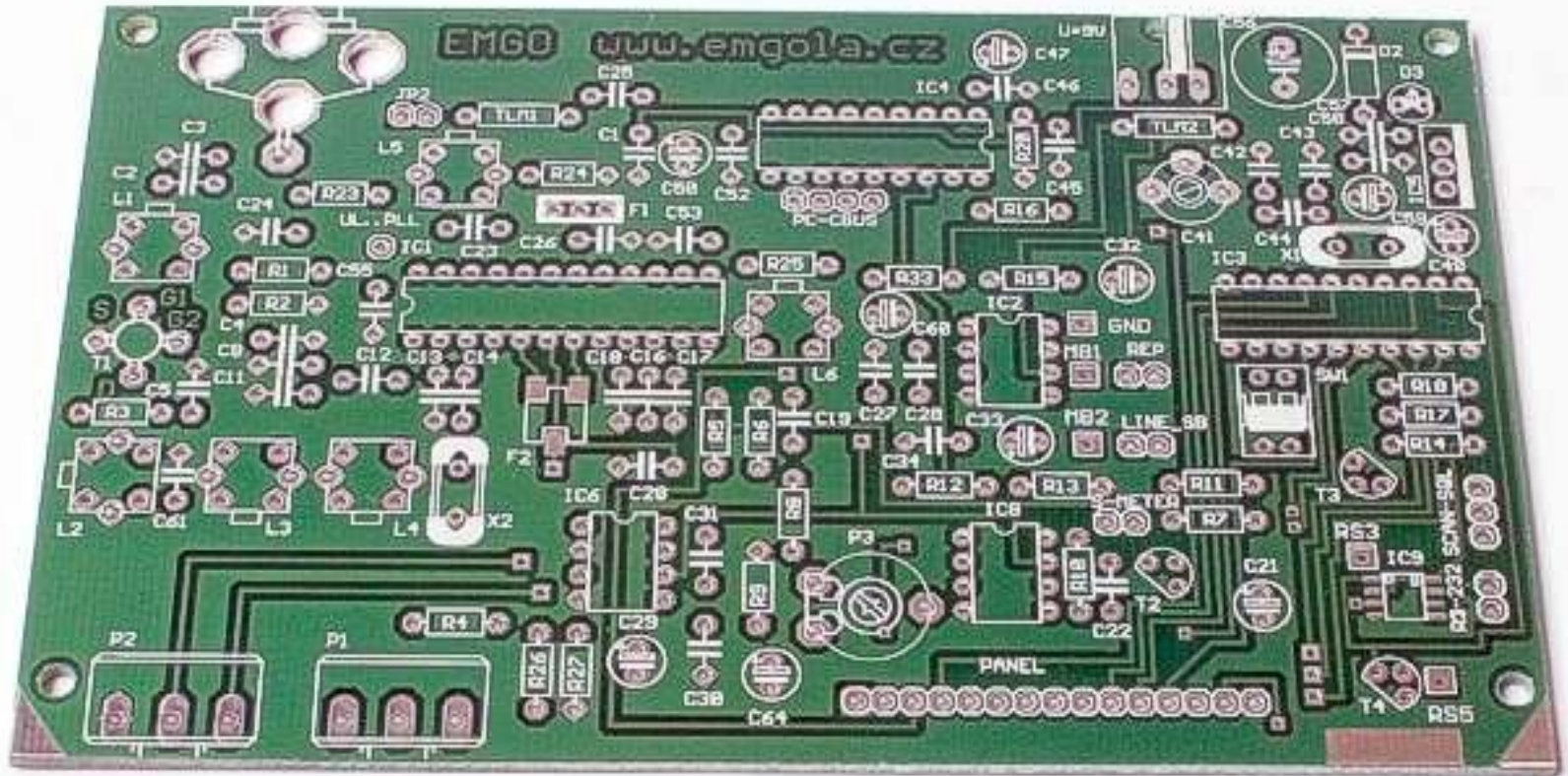




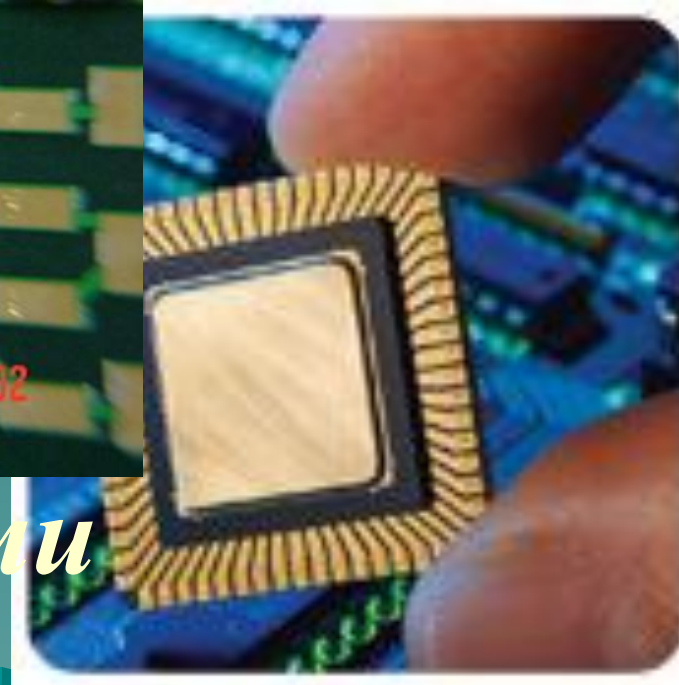
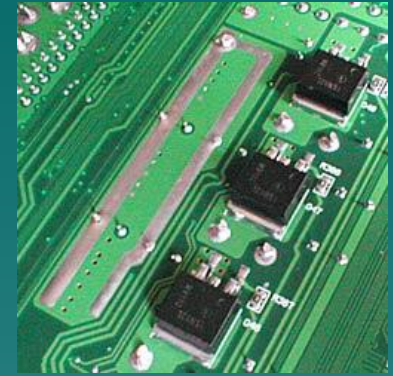
# *машин третього покоління*



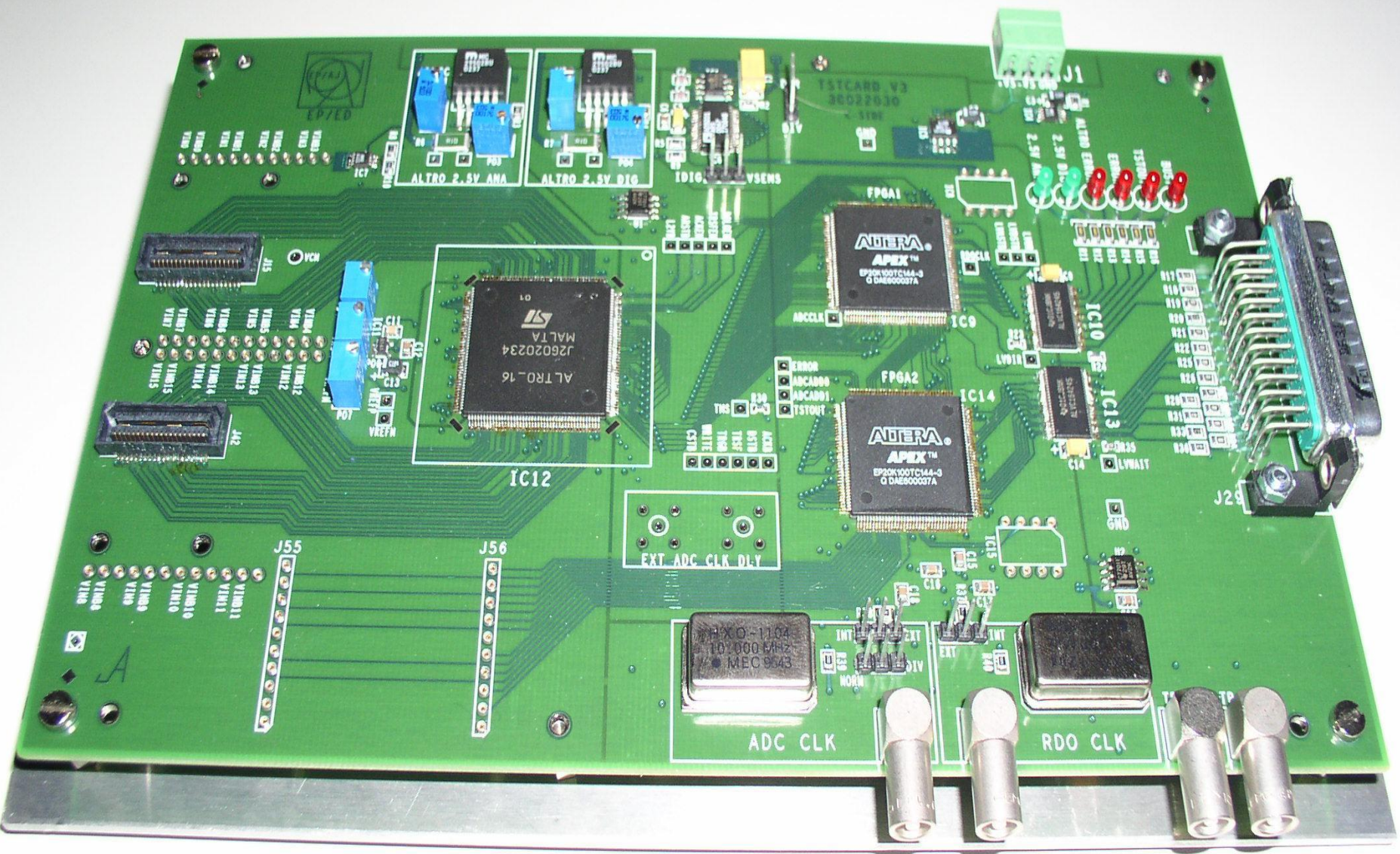
*інтегральних  
схем*



# *Четверте покоління*



*великі інтегральні схеми  
(мікропроцесори)*



EP7LD

ALTR0 2.5V ANA

ALTR0 2.5V DIG

FPGA1  
APEX™  
EP20K100TC144-3  
Q DAE900037A

ALTR0-16  
MALT A

IC12

FPGA2  
APEX™  
EP20K100TC144-3  
Q DAE900037A

IC9

IC14

IC10

IC13

IC15

EXT ADC CLK DLY

HXO-1104  
10.000 MHz  
MEC9543

ADC CLK

RDO CLK

TSTCARD V3  
38022030

J1

J28

J55

J56

IC7

IC11

IC13

IC14

IC15

IC1

IC2

IC3

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