

“E SE DOMANI ...”  
Una storia di ... Stampanti

## **ALLEGATO 2**

Presentazione di Maurizio Parini – Mario Rossi  
“A Printer Project – The Inside Story”

(1986)

# A PRINTER PROJECT

## THE INSIDE STORY

MAURIZIO PARINI  
MARIO ROSSI

FLORENCE, ITALY

### DESIGN GOALS

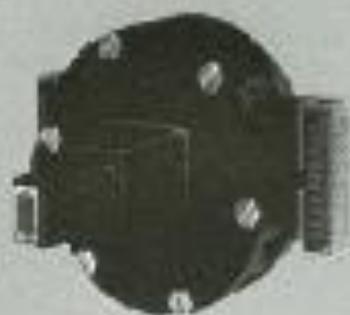
PRINTING  
PERFORMANCES

MULTI -  
FUNCTIONALITY

HUMAN  
INTERFACE

QUALITY -  
RELIABILITY

## PRINT HEAD



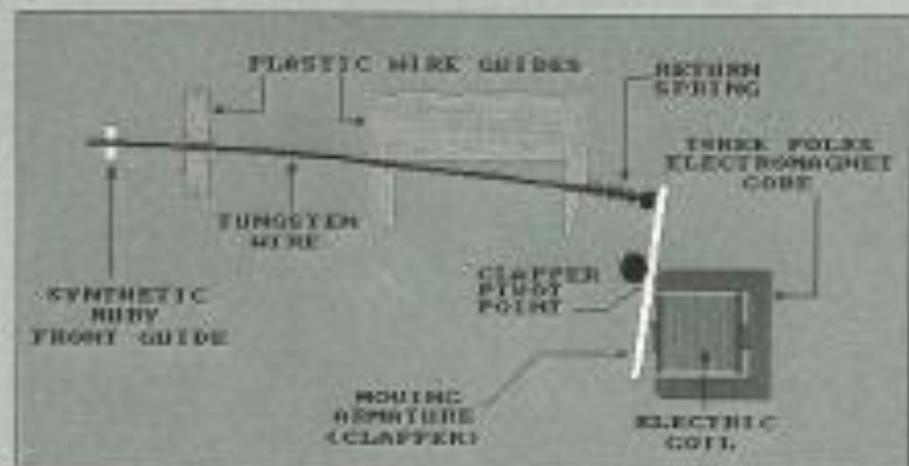
18 WIRES DUAL IN LINE

Ø 0,2 mm



WIRE TIPS  
ARRAY

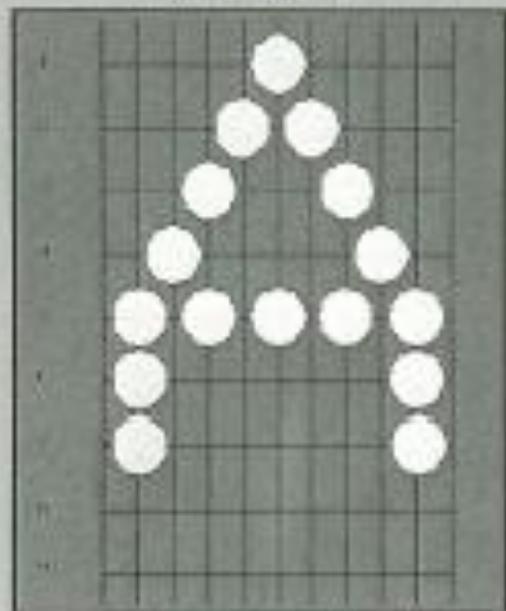
## SINGLE DOT PRINTING ELEMENT



- MAX OPERATING FREQUENCY: 1,2 KHz
- ENERGY PER PRINTED DOT:
  - DRAWN FOR THE POWER SUPPLY: 3,1 mJ
  - HEAT DISSIPATION IN THE HEAD: 15 mJ

# PRINT QUALITY

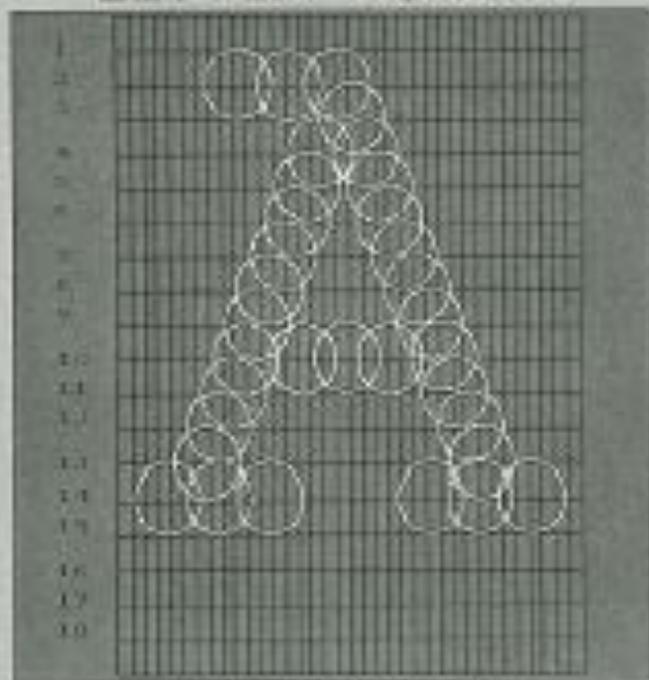
DRAFT



MATRIX: 11x9

# PRINT QUALITY

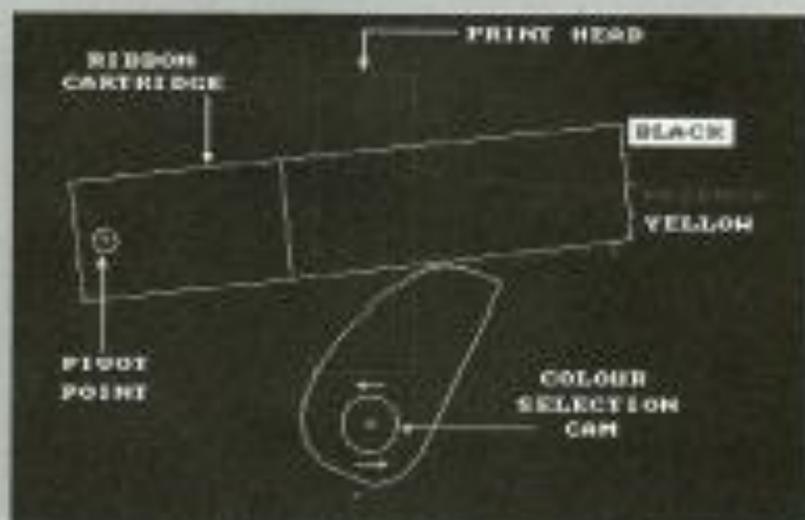
LETTER QUALITY



MATRIX 36 x 18

## COLOUR PRINTING

- 4 BASIC COLOURS
- 3 COLOURS BY COMBINATION
- LONGLIFE RIBBON CARTRIDGE

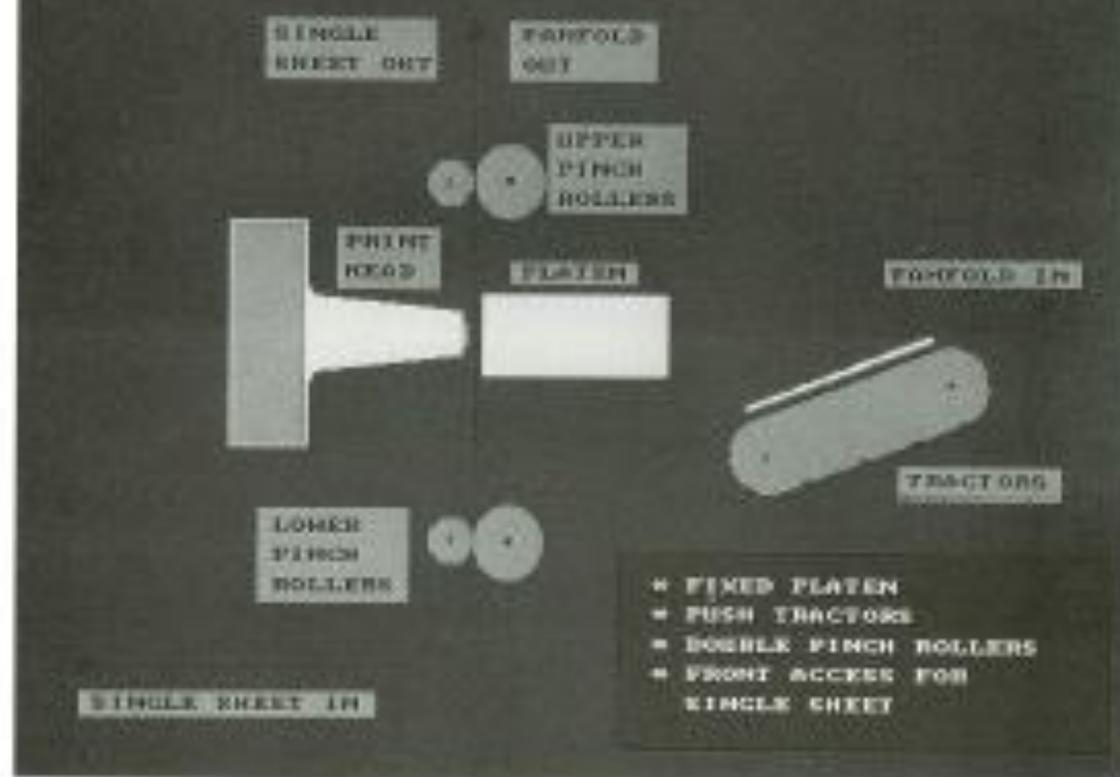


## PAPER FORMATS

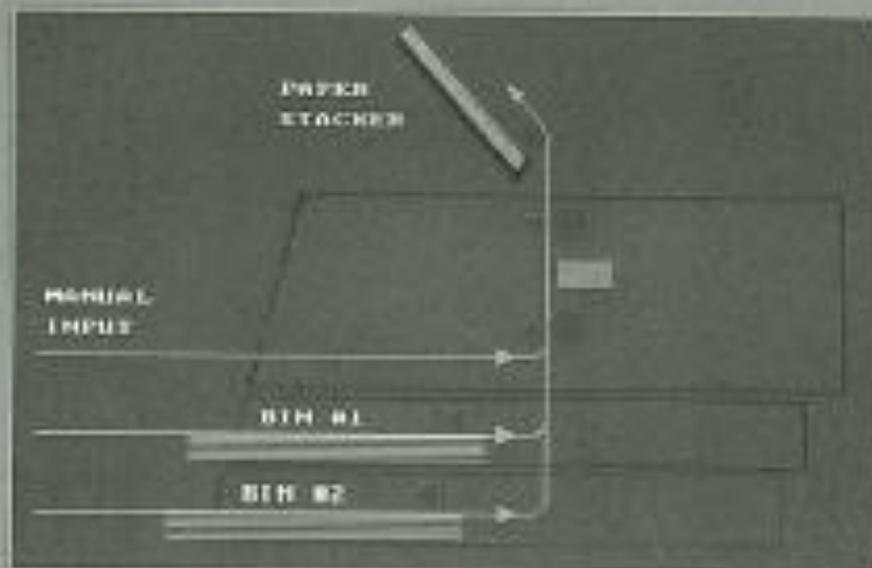
The mechanism has been designed to make it possible to use a vast variety of paper formats:

- Fanfold from 3" to 17.5" wide
- Cut forms from 4.7" to 16.6" wide
  - A5 landscape and portrait
  - A4 " " "
  - A3 " " "
  - A2 " "
  - American legal

## PAPER HANDLING MECHANICAL ARCHITECTURE



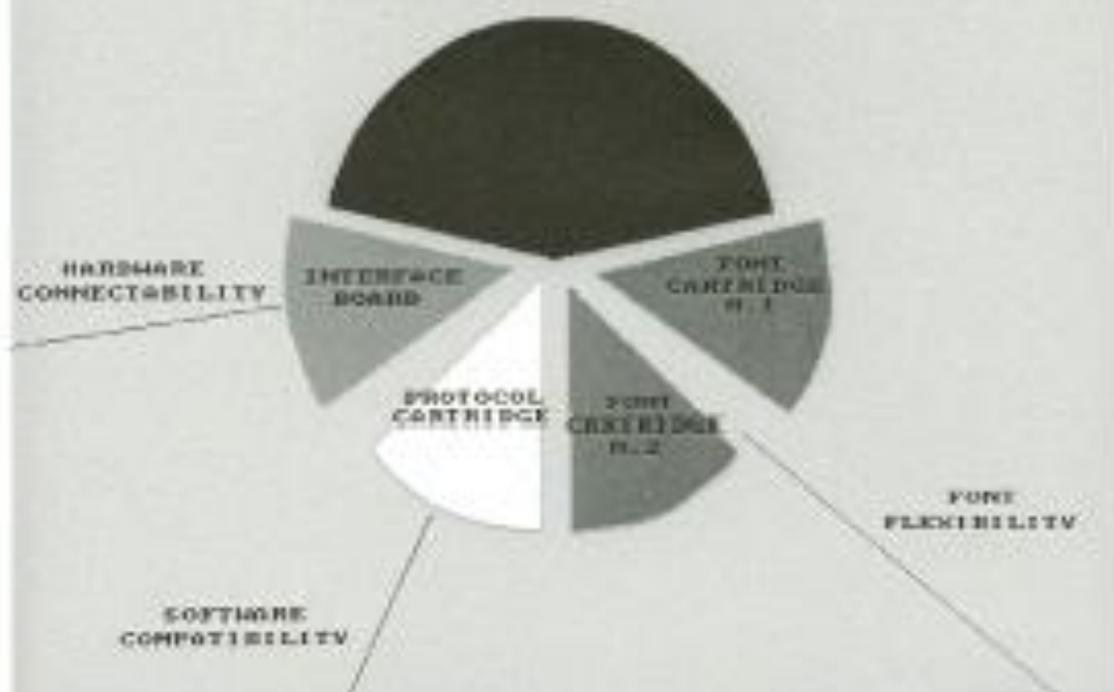
## AUTOMATIC SHEET FEEDER



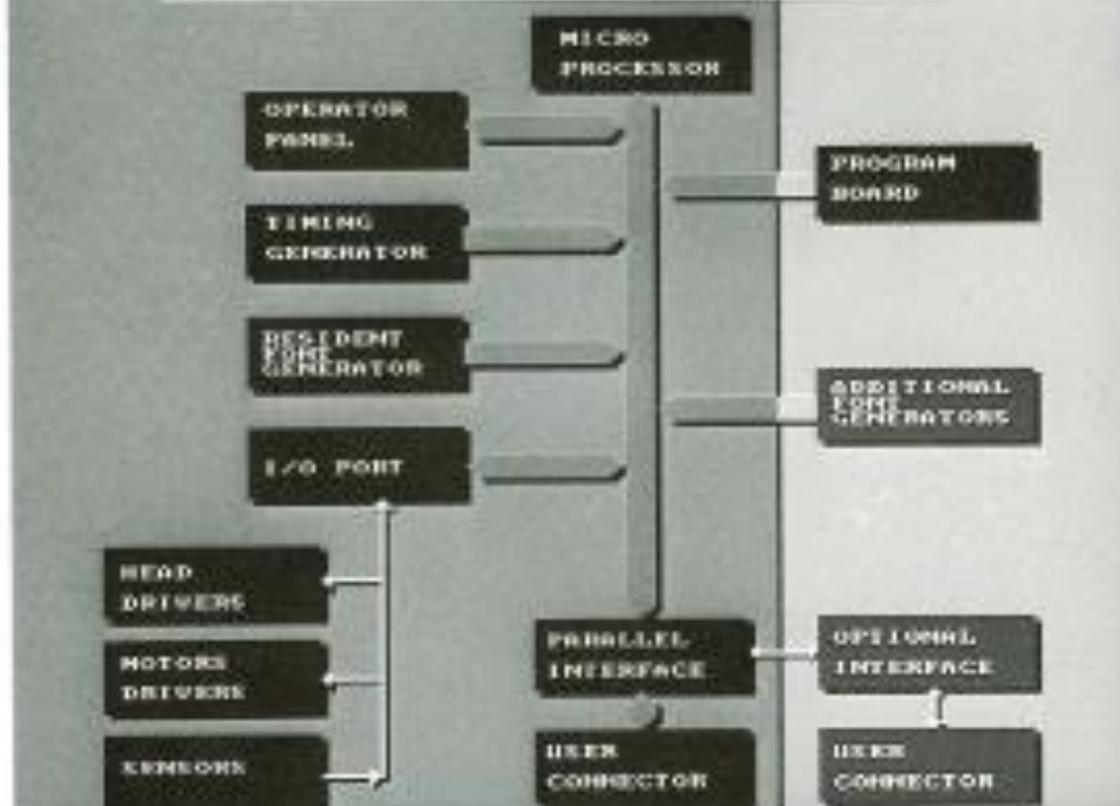
- \* SEE BELOW THE PRINTER
- \* 1 OR 2 BINS
- \* INDEPENDENT MOTORIZATION
- \* PAPER FORMATS UP TO A3 LANDSCAPE

# ELECTRONIC ARCHITECTURE

## PRINTER BOARDS



# ELECTRONIC ARCHITECTURE



## SOFTWARE COMPATIBILITY

PROTOCOL  
CARTRIDGE



## FONTS FLEXIBILITY

FONT  
CARTRIDGES



## OPERABILITY

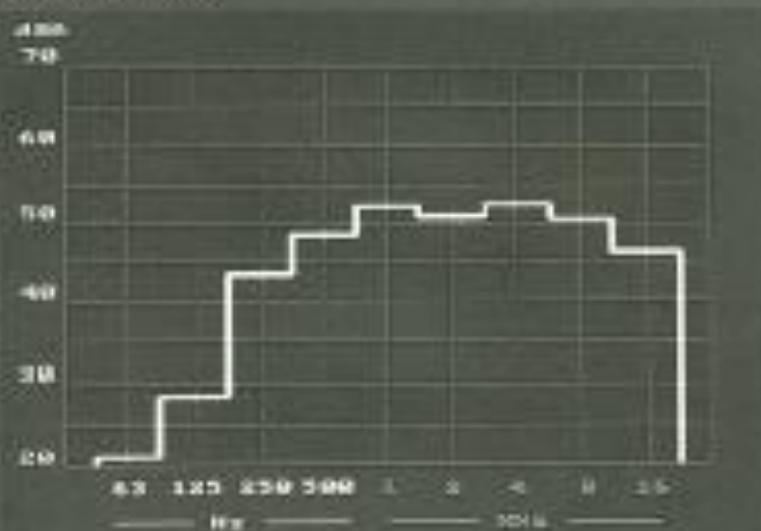
- Front single sheet loading
- Automatic loading of fanfold and single sheet
- Automatic retraction of fanfold when introducing a single sheet
- No need to remove tractors to mount mechanical options (ASF, dual movement, pull tractors)
- No need to remove ASF when using fanfold
- Manual input of single sheet with ASF present (by pass)
- Draft/quality selection by operator panel
- Automatic recognition of black or colour ribbon cartridge

## USER FRIENDLY

- Microadjustment of paper position by operator panel
- Status of printer displayed by a 4 digit display
- User replaceable print head
- Snap-in "clean hands" ribbon cartridge
- Font cartridge substitution while the printer is operating
- T&D at operator level

## LOW NOISE

MEASUREMENTS STANDARDS: ECMA 74 ISO 7779 ANSI S129  
BYSTANDER POSITION



400 CPS DRAFT PRINTING

## SAFETY

### PROTECTION AGAINST:

- Fire hazards
- Mechanical hazards
- Electric shock

### FULL COMPLIANCE WITH THE INTERNATIONAL STANDARDS

- UL 114
- UL 478
- CSA 154
- IEC 435

## NO ELECTROMAGNETIC POLLUTION

- No immission of electric disturbances in the network
- No irradiation of radio interferences

Full compliance with the international standards:

- FCC class B
- VDE class B

## QUALITY/RELIABILITY

### DESIGN GOALS

