



A company changing from engineering services
to a system supplier

History and facts

- Foundation 1992
- 5 Employers
- Projects for ATM Banking applications, Industry, Automotiv, GSM und ID-Cards
- Developed products > 35
- Installed products since foundation > 200K

Milestones



Developing with H8Series
In C and Assembler



PCI controller
by means of FPGA



Thermal A4 Printer
300 dpi double Paper feed



Developing with the 8051 Family
in Assembler



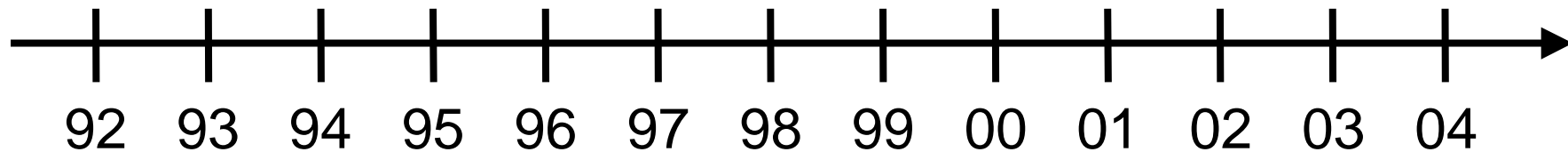
Developing of the ND9x-Family
for ATM



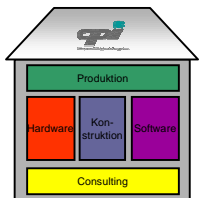
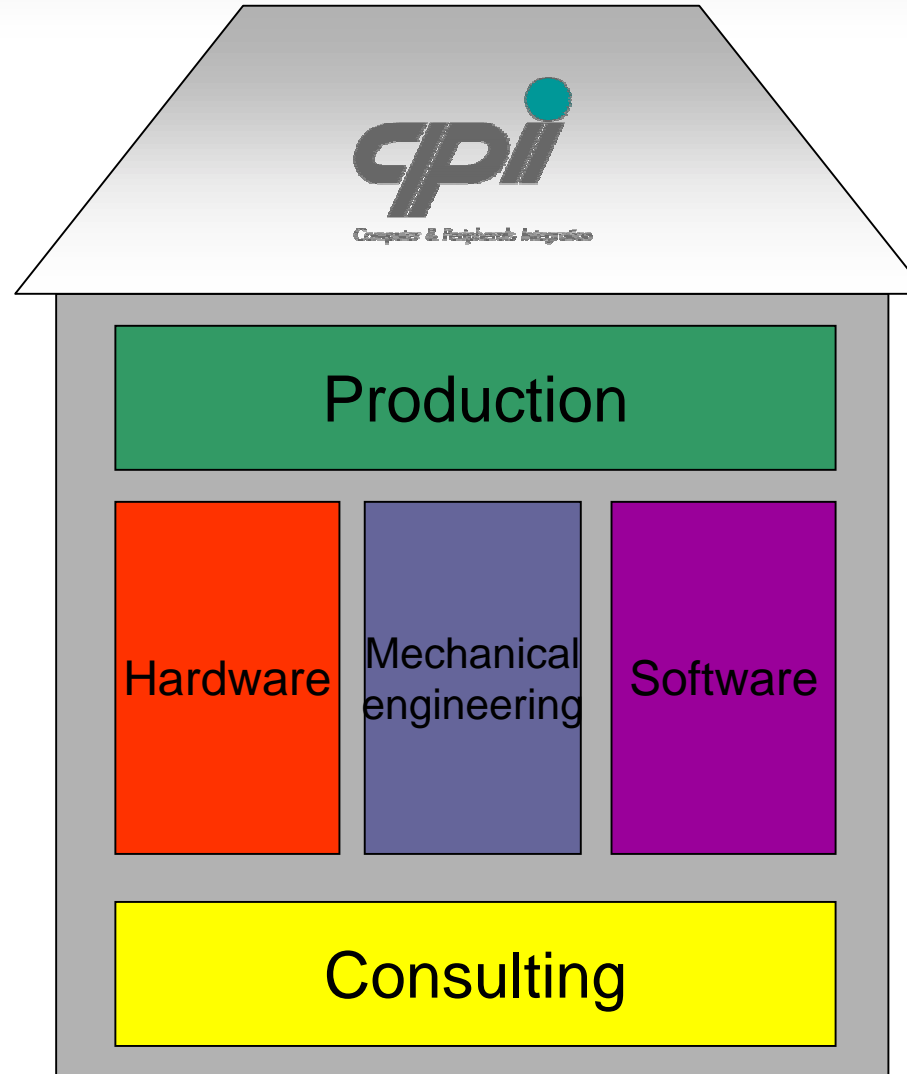
Kiosk- Printer with 220 mm/s
print speed



CPI PRESTO-
Printer family

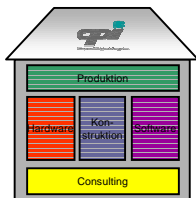


The core competencies



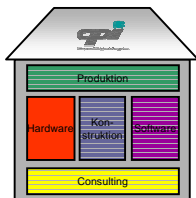
Consulting

- Project management task
 - Feasibility analysis
 - Resources estimation
- Project monitoring and controlling
 - Project plans
 - Target definitions
 - Documentation
- Certifications
 - Standards CE / UL / CSA



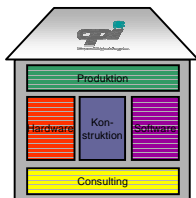
Hardware Electronic design

- Schematic design
 - digital
 - analogue
- Micro controller design with
8- / 16- / 32-Bit Controllers
- FPGA – design
ALTERA / XILINX
- Interfaces
RS232 / RS485 / USB / Ethernet
PCI / IEEE1284 / ISO 7816



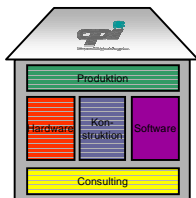
Engineering design

- Development with 3D - CAD
- Laser and bend parts
- Lathe and milling parts
- Tool development



Software

- Firmware developing
- Embedded Multitasking
- Printer emulation
 - EPSON ESC/P - Subset
 - HP Subset PCL5
 - CPI special functions
 - Customer extentions
- Driver developing (Win 2000 / XP, LINUX)
- Protocol developing
- Tool developing

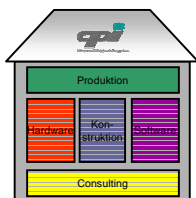


Production

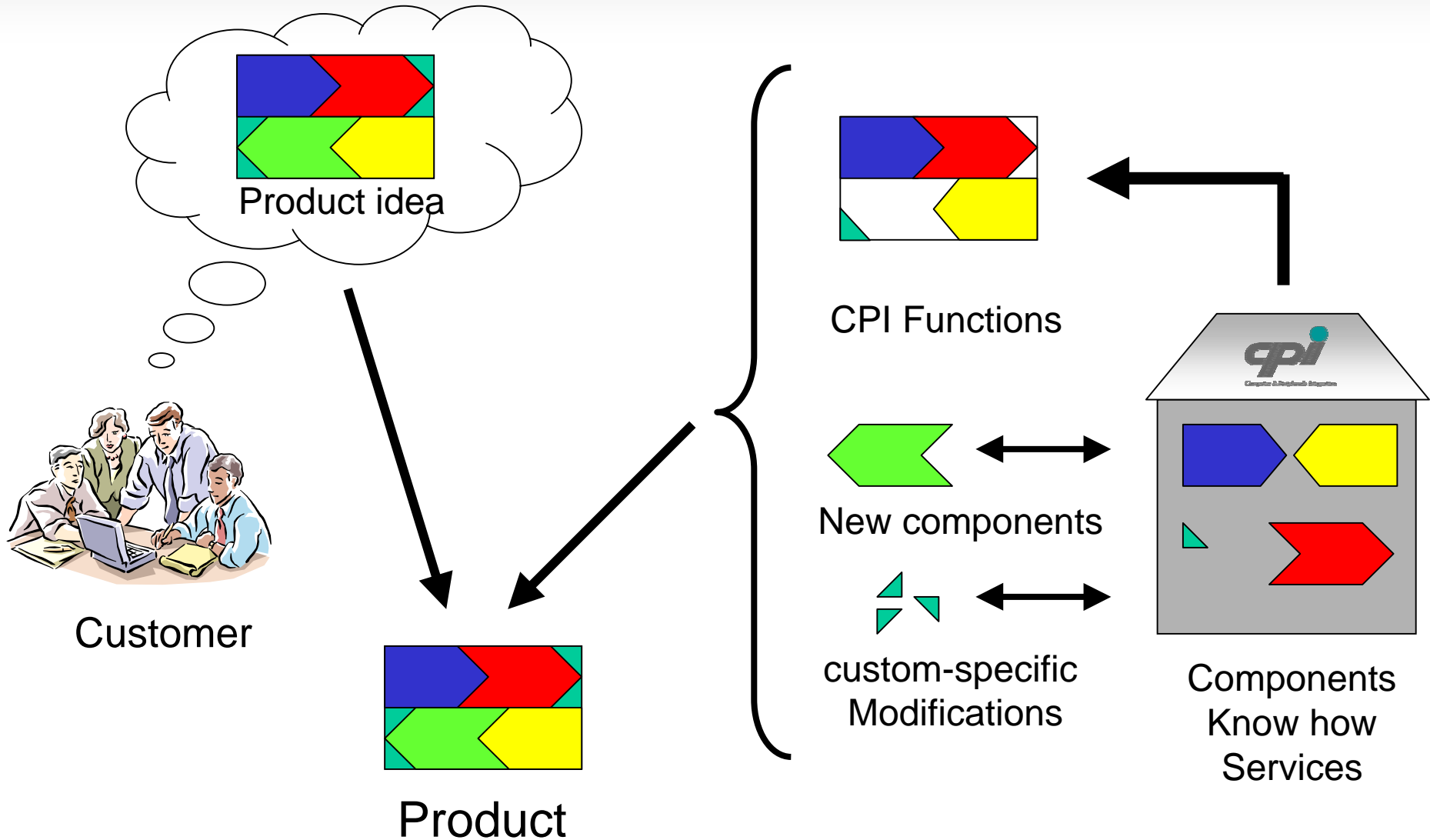
- Prototyping
- Product to Manufacturing

Delivery of

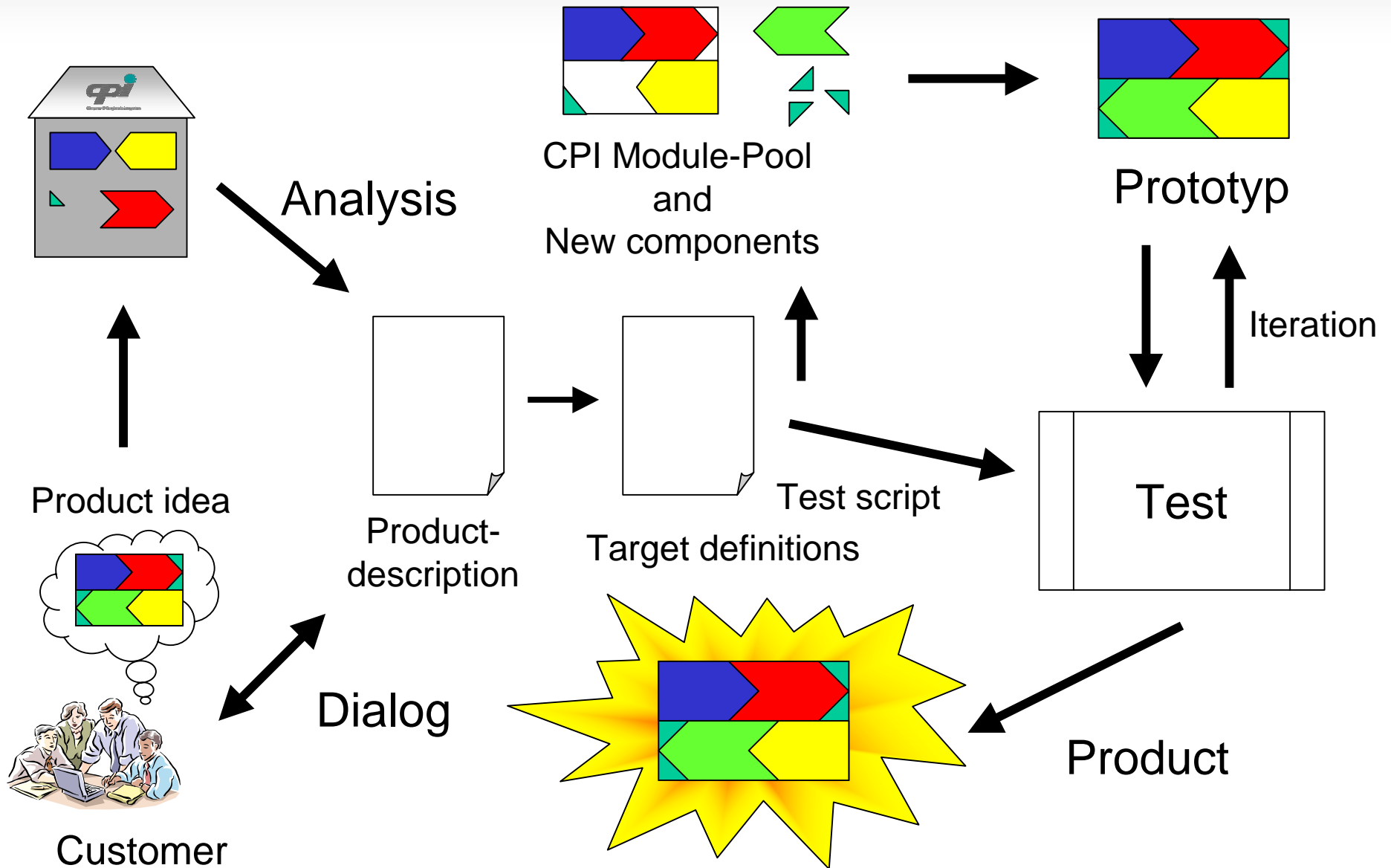
- assembled PCBs
- mechanical components
- Complete solutions



CPI - Development strategy

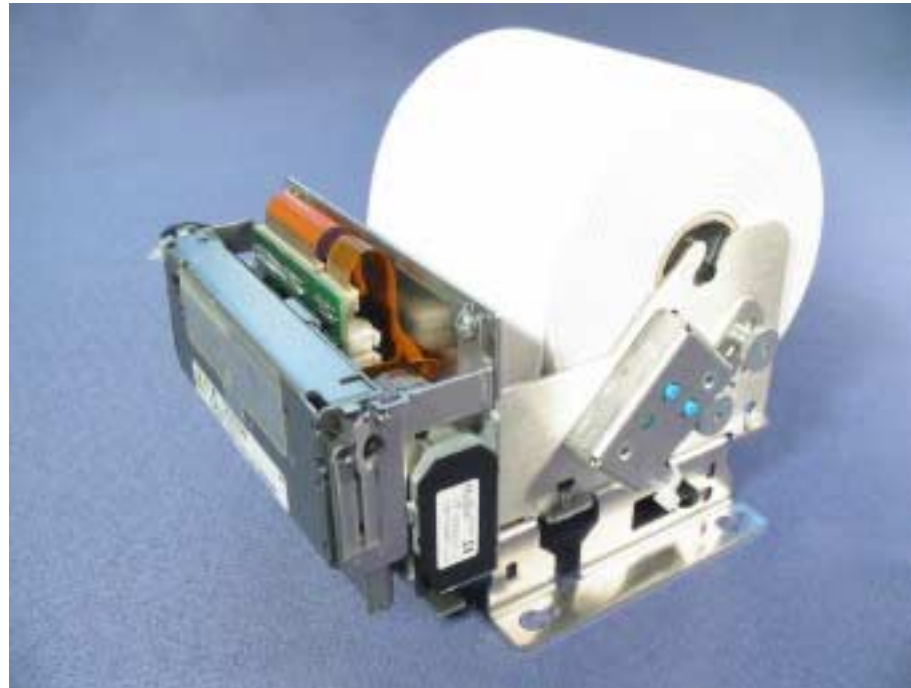


CPI - Development process



Product – Highlights

CPI- PRESTO



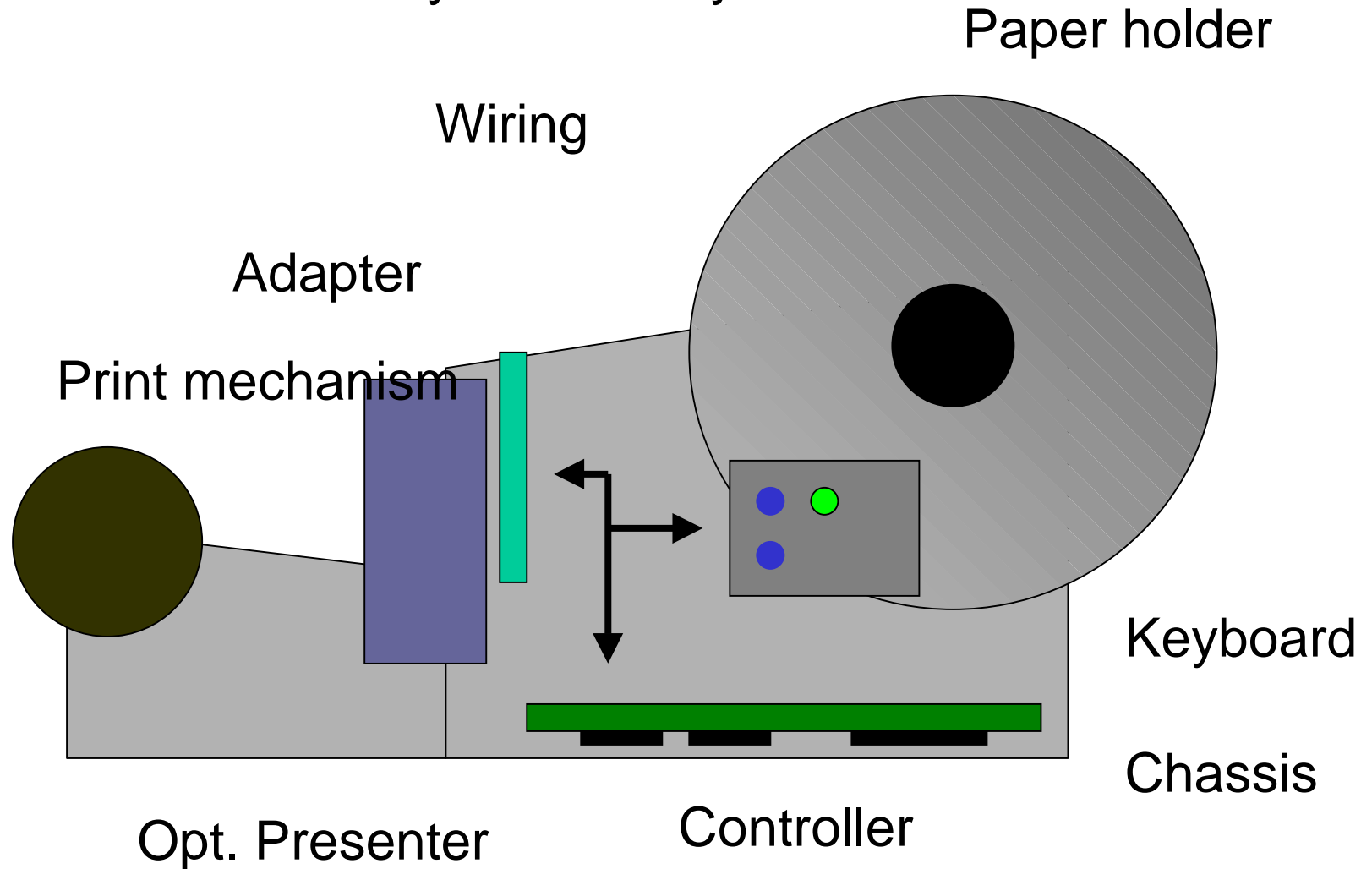
PRESTO - printer family

- Interfaces:
 - USB / RS 232
- Driver:
 - WINDOWS 2000 / XP
 - LINUX
- Printing speed:
 - 100 / 200 mm/s
- Paper weights:
 - up to 150 gr/m²
- up to 230 mm Rolls
- 24 V and 12 V available
- Printing width up to 80 mm
- Resolution: 203 dpi
- Barcode
- Label function
- International Fonts
- Full- and partial cut
- Presenter



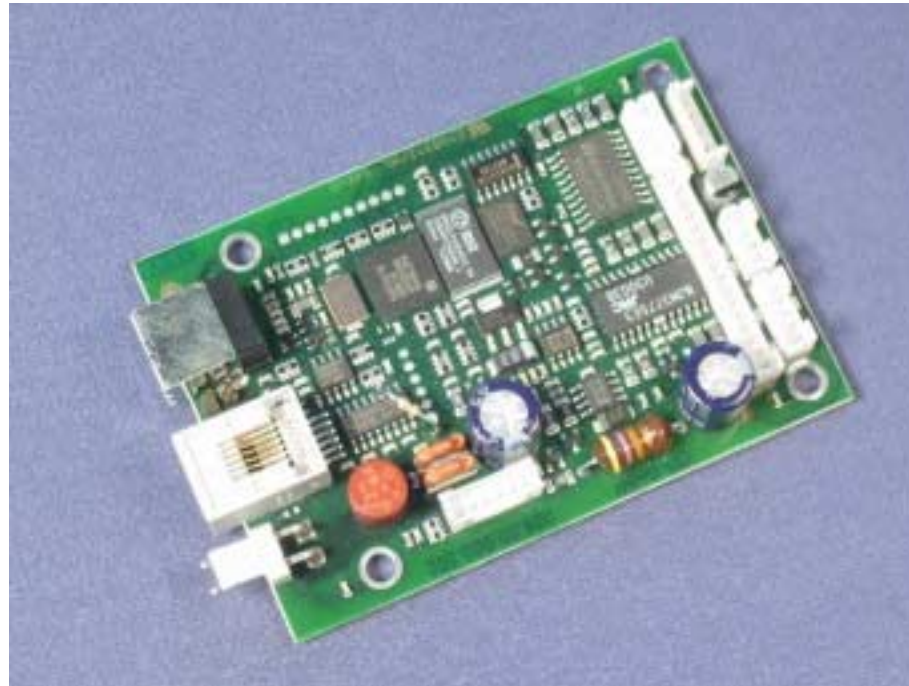
Product - Highlights

PRESTO – Printer family - Assembly



Product - Highlights

Printer - Controller



Product - Highlights

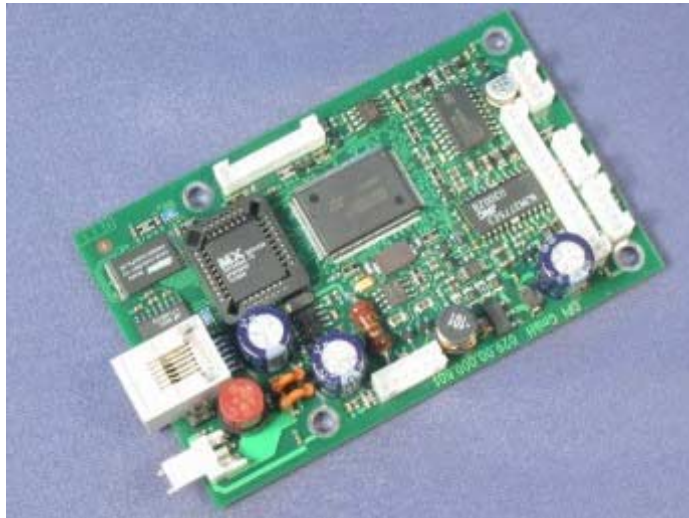
Printer - Controller



- User interface:
 - GDI for Windows / LINUX
 - EPSON ESC/P (Subset)
 - CPI added features
- Print method thermo sensitive
- Print resolution 203 dpi
- Paper insertion half-automatic
- Tools
 - Font editor
 - Label editor

Product - Highlights

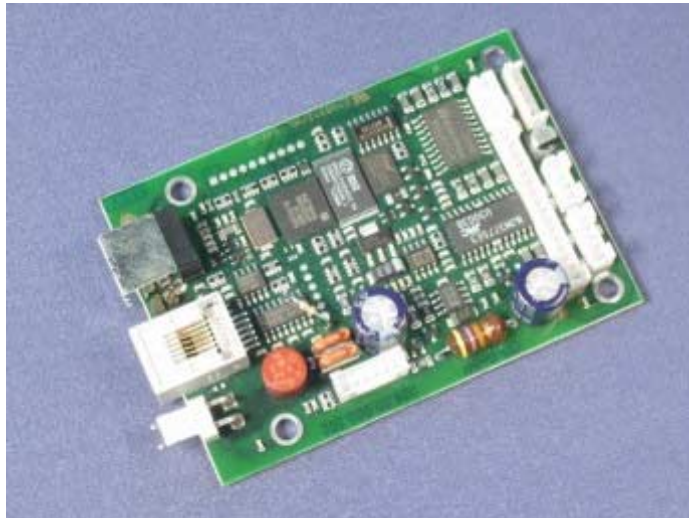
PRESTO 12 Volt



- Input voltage 12 V (10 - 15V)
- Print speed up to 80 mm/s
- Print width setting by Firmware
- Interface RS232 up to 115 KBaud
- Print mechanism 6x9 Fujitsu
- 256 kB Flash for
 - Firmware
 - Fonts
 - Label
 - Download character
- 128 kB RAM



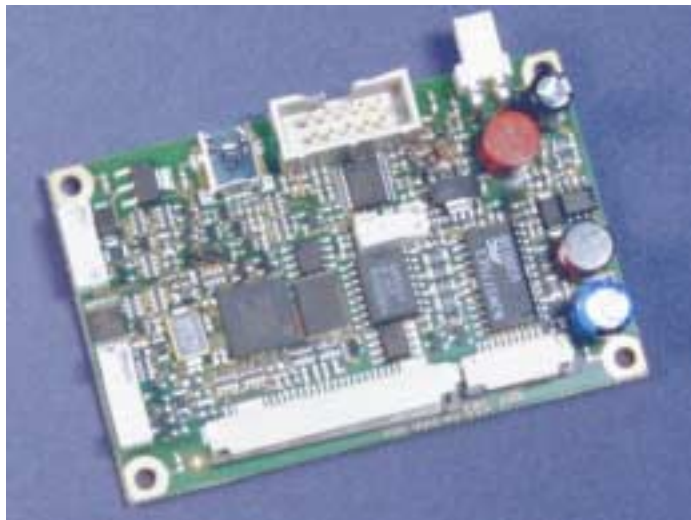
PRESTO USB



- Input voltage 24 V
- Print speed 100 and 200 mm/s
- Print width setting by Firmware
- Interface RS232, USB Full Speed
- Print mechanism 6x2, 6x9 Fujitsu
- 256 kB Flash for Firmware
- 448 kB Flash for
 - Fonts
 - Label
 - Download character
- 128 kB RAM

Product - Highlights

PRESTO 609



- Input voltage 24 V
- Print speed up to 200 mm / s
- Print width setting automatically
- Interface RS232, USB Full Speed
- Print mechanism 6x9 Fujitsu
- 256 kB Flash for Firmware
- 128 kB Flash for
 - Fonts
 - Label
 - Download character
- 256 kB RAM
- mechanically compatible to IF-COM

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