# The standard in fanfold printing

The **PP 4050/PP 4060**
**family of fanfold laser printers**

![PSi Laser logo]

# The perfect solution for every application

## Application areas for PSi fanfold laser printers

Whether it is to replace line printers, for decentralised printing, MICR printing or further fanfold printing applications like Cheshire and special postal codes, printing labels and onto tailor-made forms, with the models of the PP 4050 / PP 4060 family PSi Laser has the ideal fanfold laser printer for your application.

When replacing line printers, people often want to replace them by printers which offer a better print quality or a higher throughput rate. Our fanfold laser printers meet both of these reqirements.

With their excellent print quality, they provide optimum readibility of texts, error-free recognition of barcodes and other postal codes, and give your documents a perfect visual appearance at a troughput rate of up to 59 pages per minute.

Fanfold laser printers are also well suited for a transition from centralised to decentralised printing. Thanks to their ease of operation, they can be used without the need for especially educated operating personnel.

For all printer models, printing without loss of form is guaranteed. This property is essential when security and/or continuously numbered forms are processed whose loss is expensive and sometimes has to be proved.

The PSi fanfold laser printers combine the flexible paper handling with laser print quality and such create completely new solution approaches for printing applications.
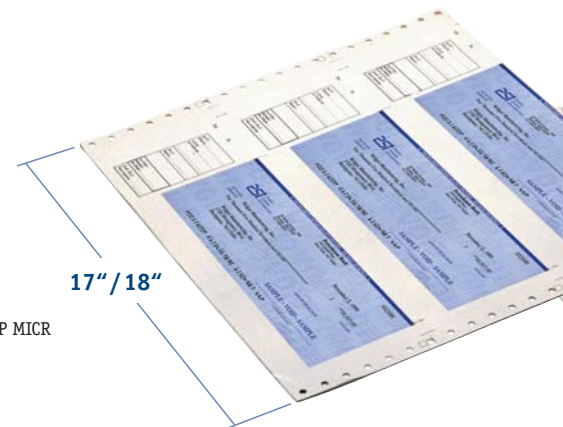
## PP 4050XP



17"
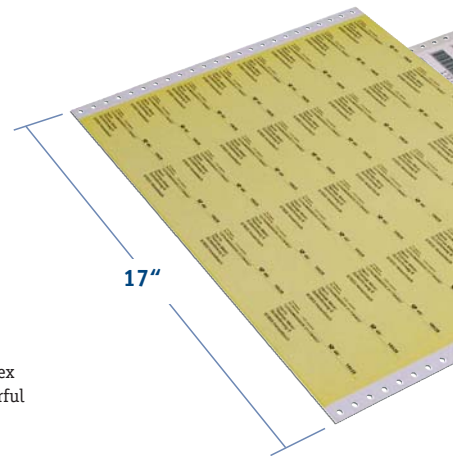
The PP 4050XP is the ideal fanfold laser printer for complex documents on print media up to 17 inches wide. Its powerful APPC Pentium controller can even deal with documents containing huge graphics or numerous barcodes.

## PP 4060



Two-Up 18"
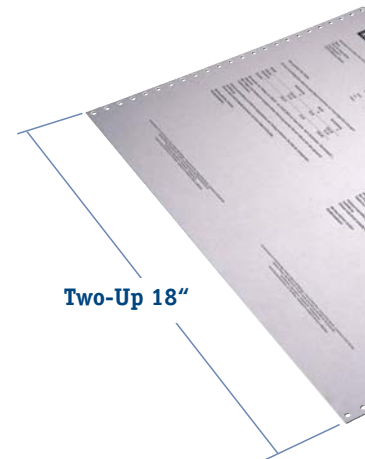
The PP 4060 is more than just the fastest PSi fanfold laser printer. It can handle up to 18 inches wide forms and such supports printing in two-up mode which leads to a print throughput of up to 59 A4 pages per minute.
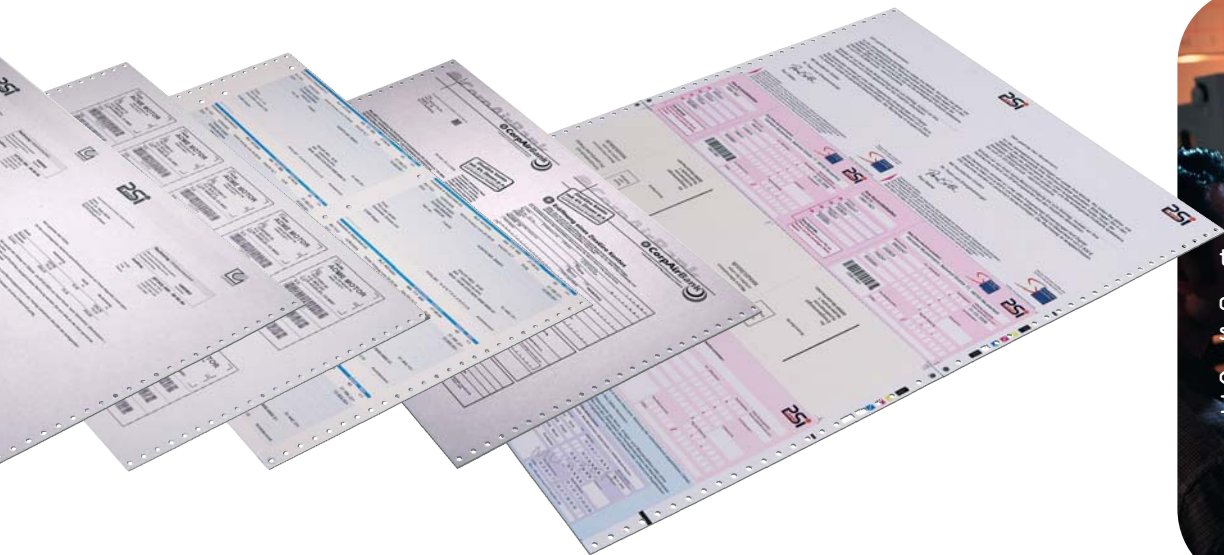
## PP 4050XP MICR / PP 4060 MICR



17" / 18"

Printing using MICR toner is the main area of application of PP 4050XP MICR and PP 4060 MICR. Whether it is for the personalization of cheques or printing coupons – PP 4050XP MICR and PP 4060 MICR print reliably and at low cost.

banking
productivity
insurance

logistic /
it-services

utility
companies

printservice



two-up printing

doc-workflow
systems

complex
label printing



personalization
via micr-cheque

finances

- productivity printer
- high performance
- LAN printer
- document workflow systems
- complex label printing
- barcodes
- overlays
- logos
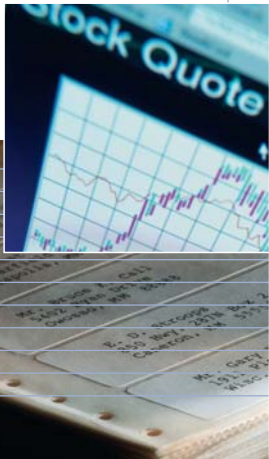- complex print files

# PP 4050XP

**Especially fast in the network**

The PP 4050XP is a universal fanfold laser printer, designed to meet the demands of professional high-volume printing. With a paper width of up to 17 inches, it can easily take over line printer applications. Its print output of up to 34 ppm and a print volume of up to 200,000 pages per month, make it equally well suited to distributed printing applications. Two individually slectable paper feeds and an integrated paper cutter facilitate the printing of various forms.

The optional iPS 4050 paper stacker stacks printed sheets fully automatically. With its low cost per page and a robust design, the PP 4050XP is geard towards professional applications. Use of the PP 4050XP is recommended where documents with a particularly high number of objects, such as barcodes and graphics, are to be printed on one page. Its paper handling and the broad selection of connectivity solutions make it more flexible than other fanfold laser printers.

two-up printing
high performance
LAN printer
banking
productivity
insurances
print shops
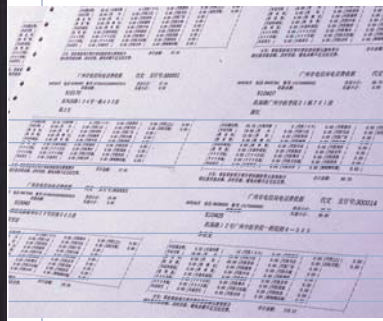
**18 inch two-up printing**

# PP 4060

PSi's most powerful PP 4060 fanfold laser printer can handle forms up to 18 inches width and, thanks to a printing width of 17 inches, allows simultaneous printing of two A4 pages in two-up mode. In this mode, the PP 4060 achieves a throughput of 59 ppm. If the print data is not already sent to the printer in two-up format, the printer's firmware can place two A4 pages alongside one another itself, to utilise the full format.

Like the PP 4050XP, the PP 4060 has a powerful APPC Pentium controller and a 10BaseT/100BaseTX Ethernet interface. The PP 4060 is designed for a monthly print volume of 300,000 pages. Its extremely low initial and operational cost make the PP 4060 a very attractive investment. It is not only being one of the most inexpensive two-up fanfold laser printers, it is actually less expensive than some machines without this feature.
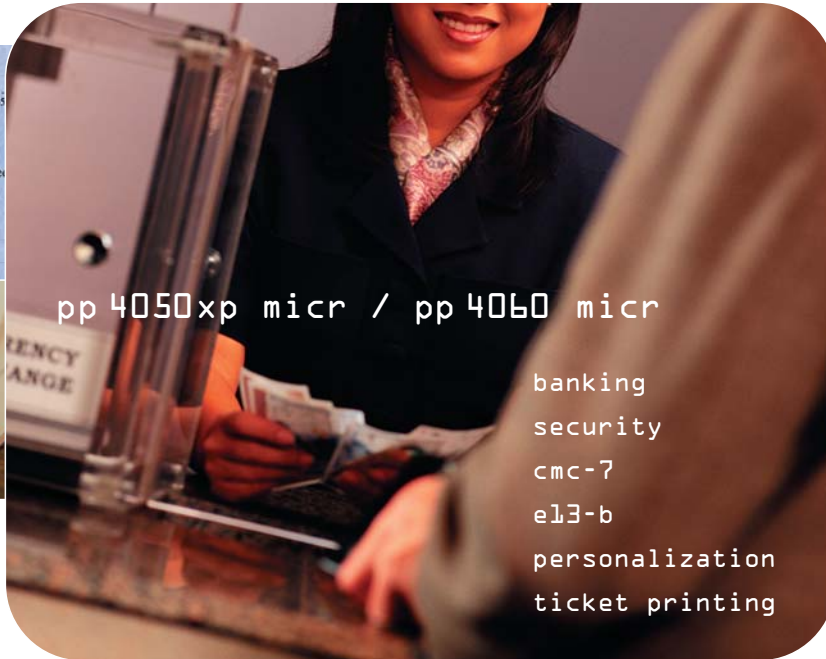
pp 4050xp micr / pp 4060 micr

banking
security
cmc-7
e13-b
personalization
ticket printing

## PP 4050XP MICR

## PP 4060 MICR

Inexpensive cheque personalization

Based on the proven technology of PP 4050XP and PP 4060, PSi has created two fanfold laser printers especially for MICR applications, PP 4050XP MICR and PP 4060 MICR. Completely newly developed consumables guarantee low cost per page and reliable recognition of the MICR characters.

The printing width of 16 inches resp. 17 inches allows many cheque formats to be printed effectively in two columns. The throughput is up to 11,500 cheques/hour for the PP 4050XP MICR and 14,500 cheques/ hour for the PP 4060 MICR. The integrated CMC-7 and E13-B fonts can be selected on the control panel or via the software control sequence.
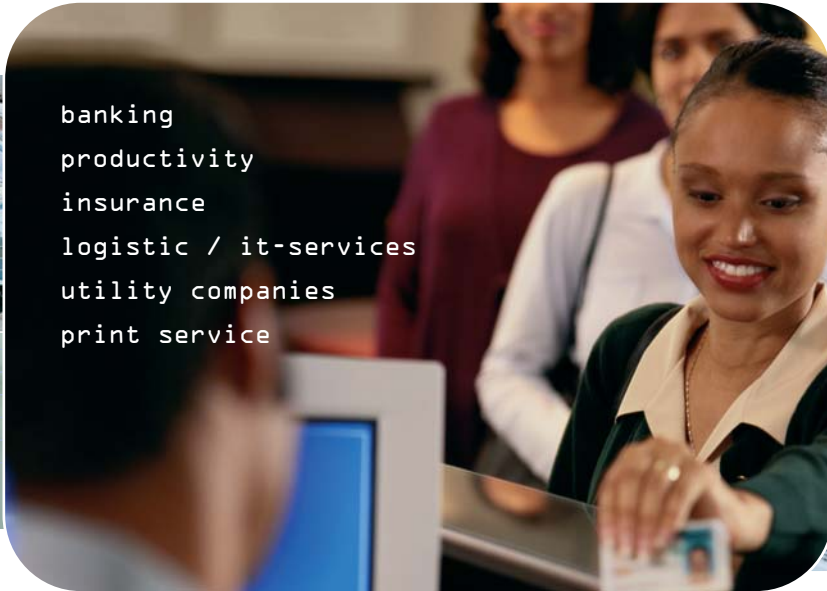
Whether it is for the personalization of cheques or the printing of bingo tickets or coupons – in the PP 4050XP MICR or PP 4060 MICR you will be choosing a powerful and reliable MICR printer. International certificates confirm this.

pp 4050xp micr
pp 4060 micr

banking
productivity
insurance
logistic / it-services
utility companies
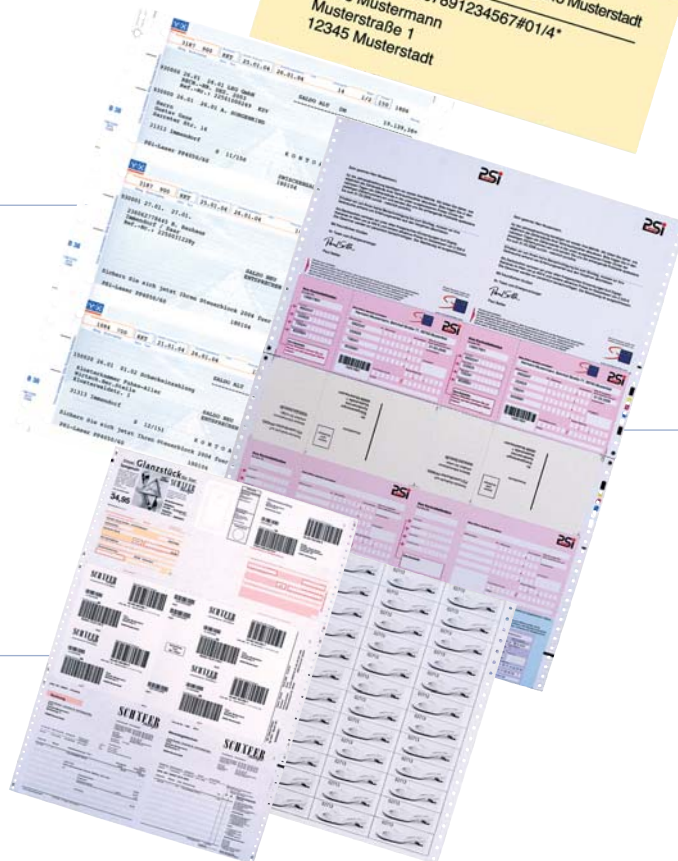print service

# Printing solutions for various applications

**Industrial Applications**
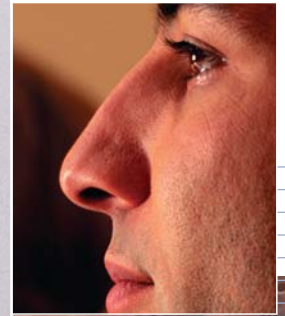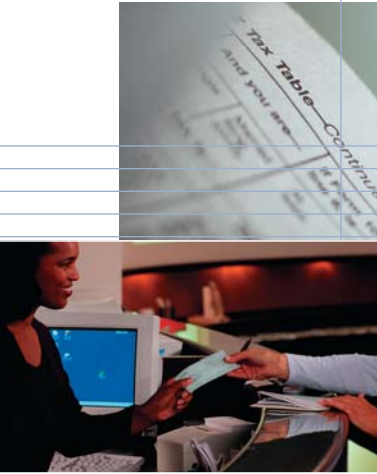
**Print Services**

**Banking / Insurances**

**Utility Printing**

**Logistics / IT-Services**

ONLINE (1)      TWO-UP
A4
LOWER    -->BOTTOM
00 POWER SAVE

features + options

## Removable tractor cassettes

Two tractor cassettes provide for easy insertion of forms and alternative printing on different print media. The desired tractor cassette is selected by a software command or at the clearly understandable control panel.

It is also possible to combine the two tractor cassettes into a pool, so that when the paper runs out, the printer can switch from one stack to the other without any operator intervention.

# Perfect paper

## Straight paper path

The absolutely straight paper path in the printer allows even labels or thicker paper to be printed – without losing forms at the beginning and the end.
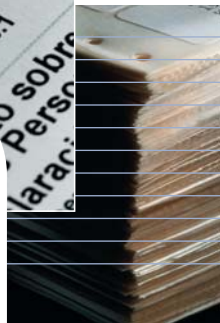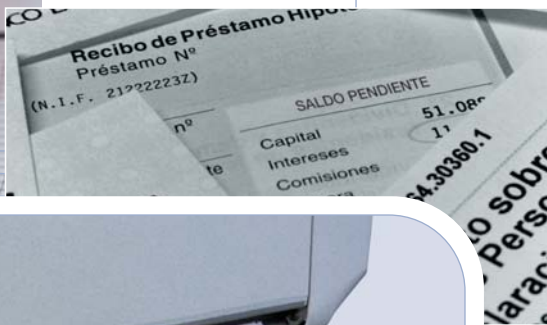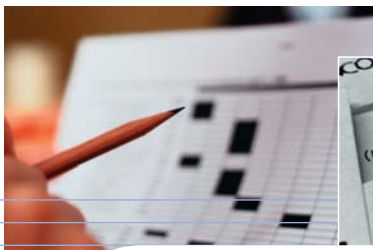
paper
management

## Automatic paper stacker

The optional iPS 4050/4060 paper stacker reliably stacks up to 3,000 sheets of paper automatically.

The unique design with a rising and falling stacking tray and the pendulum that moves according to the paper fold allows unattended operation.
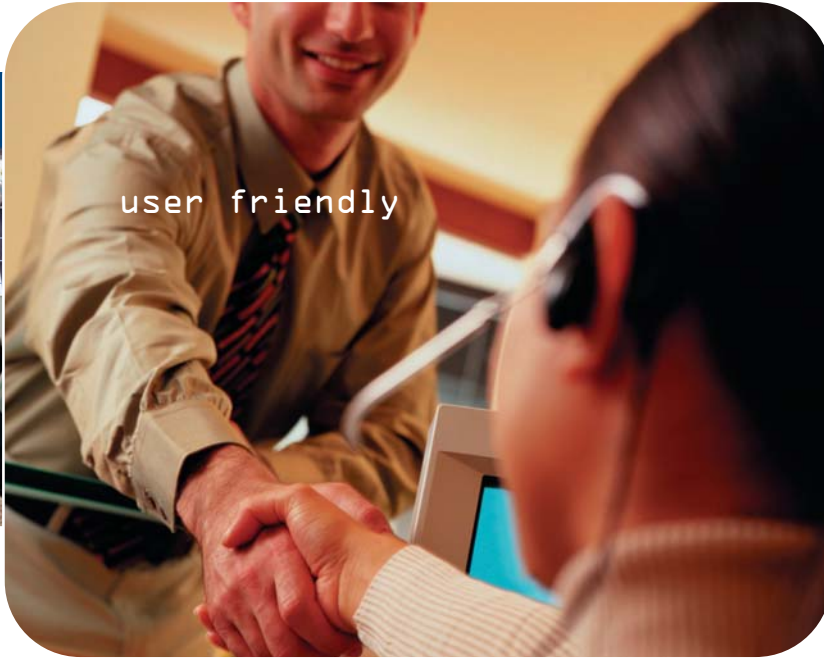
# handling

## Integrated paper cutter

The printers contain an integrated cutter which can be used for job separation.

A long-lasting blade cuts in horizontal direction during the printing process, without stopping the paper feed.

The PP 4050XP and PP 4050XP MICR models also have a paper output to the top. Up to 100 single cut sheets can be stacked here.

user friendly

# Easy to operate and friendly to service



## Easy set-up

All settings on the printer can be carried out quickly and easily using keys and an encoder dial.

The four-line LC display can be set to the appropriate language and shows the settings and the current operating status.

## Servicing made easy

Even in the design of the printers, particular attention has been paid to the issue of servicing.

Thus, it is possible to access the entire paper path and the mechanical components within seconds. Alongside its robust construction, this is a reason for the pleasing low service costs of the PSi fanfold laser printers.

The service engineer can easily download improvements or functional extensions into the Flash memory via the interface.
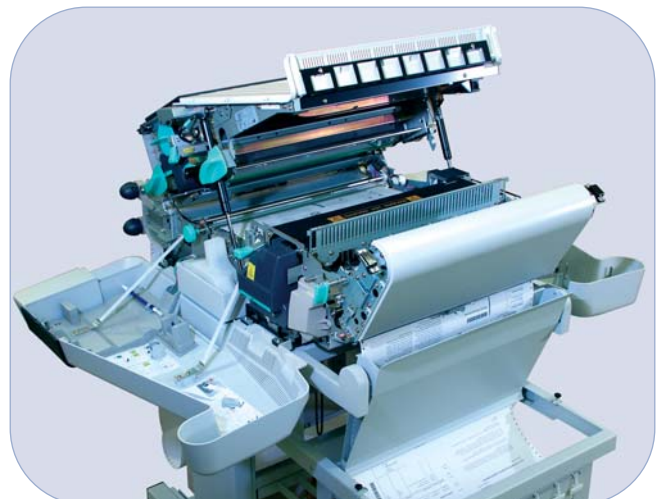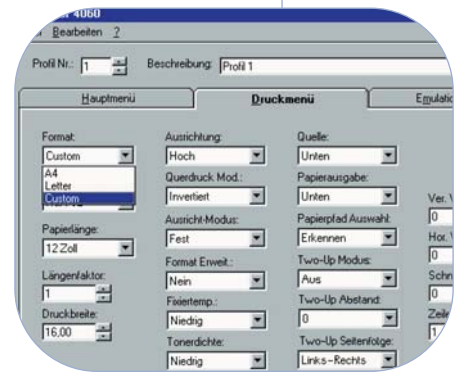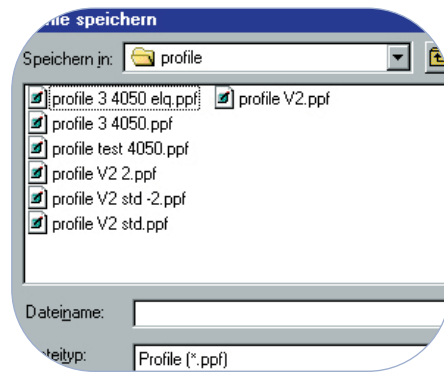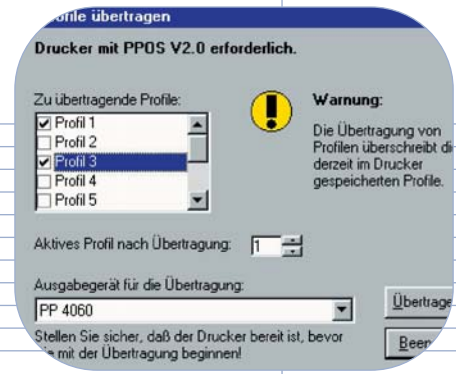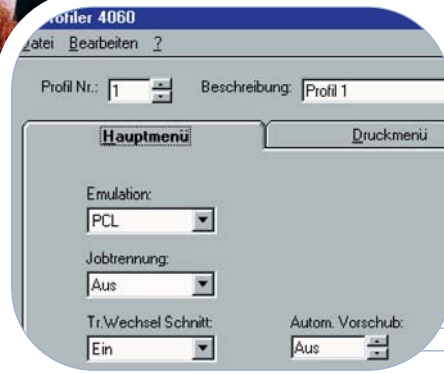
# Pre-programmed versatility

The scope of supply of the printers includes the Profiler software. By means of this tool, profiles for the PSi fanfold laser printers can be created and managed easily on a PC. These profiles allow the printer to be adapted to different applications in a matter of seconds. The profiles contain, among other things, details of the emulation, the paper input and output, the paper format and automatic paper cutting. Profiles, which have been created with the Profiler software or directly on the printer, can be activated using software commands or via the control panel.
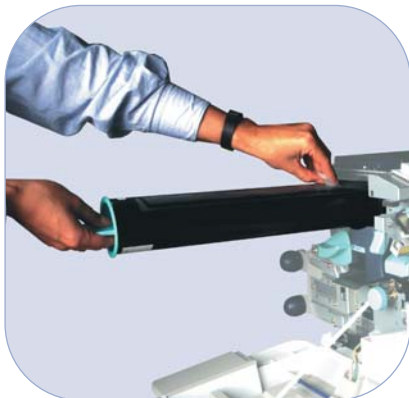


# Replace consumables yourself

This is unusual for printers of this performance class: The consumables can be replaced extremely quickly and easily. The toner, developer, photo conductor and even the fuser unit, they all can be removed by the user and new ones installed.

The consumables last long time and thus ensure that the printer has a low cost of maintenance.
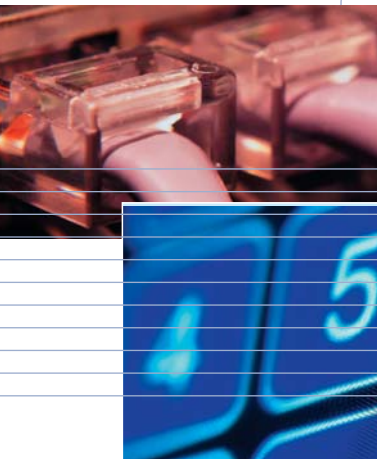
IBM Host
AS/400
UNIX
Windows
SAP
IGP
IPDS

flexible
integration

# Ready for your IT environment

## Simple network and host integration

Regardless of which IT infrastructure you have in your company, or where the printer is to be located, the PSi interface program allows your host, server or PC to be connected to the PSi fanfold laser printers.

As a standard, PP 4050XP and PP 4060 are equipped with a parallel IEEE 1284 interface and a 10BaseT / 100BaseTX Ethernet interface. Additionally, external data stream converters are available. In this way, other printer languages can be interpreted besides the standard emulation of the printers, PCL5e.

IPDS data streams can be received via TWINAX or Ethernet cables and SCS data streams via coaxial cables. For line printer emulation, an IGP converter is available, for label printing a converter box with ZEBRA emulation.

Further interfaces, for example a direct ESCON channel connection, are supplied by PSi solution partners.

system-
anschluesse
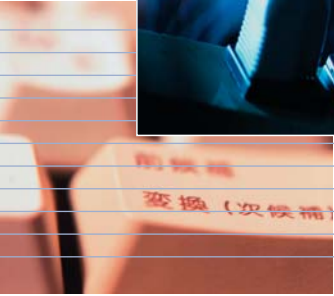
# SAP R/3 compatibility

For printing with the best possible performance and quality under SAP R/3, PSi has developed special device types and expanded the printer firmware. The device types allow you to use device-specific features of the PSi fanfold laser printers.

Thus, the PP 4050XP and PP 4060 are the ideal printers for the output of lists and shipping documents under SAP R/3.

```
          standard
          print controls
                 ▽
device specific        device type
print controls  ▷
                 ▽
formatted              device type
print data   ▶         specific formatting
                 ▽
```

# Driver support

PSi provides special printer drivers for the use of PSi fanfold laser printers in conjunction with Microsoft Windows operating systems or SAP R/3.
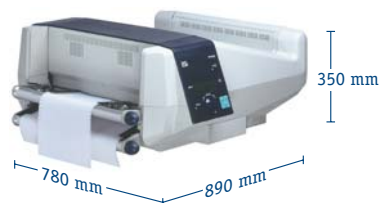
**Our emulations:**
PCL
IGP
ZEBRA ( ZPL)
IPDS

# Technical data and options

## PP 4050XP/ PP 4050XP MICR

| Printer Specification | | |
|---|---|---|
| | **Print Speed** | up to 33 pages per minute (8,25" form length)<br>up to 26 pages per minute (11" form length)<br>up to 24 pages per minute (12" form length)<br>(up to 1,700 lines/minute at 6 lines/inch)<br><br>up to 11,500 cheques per hour (3" x 8" cheques on 12" x 17" paper, 8 cheques per page) |
| | **Resolution** | 300 x 300 dpi |
| | **Workload** | 200,000 pages per month |
| | **Print Method** | Electrophotographic, LED array, organic photoconductor, … |
| | **Control Panel** | Four line LCD display (20 characters/line) … |
| | **Diagnostics** | Selftest, Hexdump |
| | **Dimensions** | Printer incl. cassettes 890 x 350 x 780 mm (W x H x D) |
| | **Weight** | 112 kg (247 lbs.) consumables included; … |
| | **Rated Voltage** | 100 - 110 V (-10/+6%) AC, 50 - 60 Hz; 110 - 120 V (-10/+6%) AC, … |
| | **Power Consumption** | Operating power < 1,200 W average (1,650 W max.); … |
| | **Environmental Conditions** | Operating + 15 °C to + 35 °C, 30 to 50% rel. humidity, … |
| | **Sound Level** | < 55 dB(A) operating |
| | **Lifetime** | up to 12,000,000 pages |
| | **Agency Approvals** | CE, VDE/GS, UL, C-UL, FCC, GOST-R |
| **Connectivity** | **Interfaces** | Parallel IEEE 1284, Ethernet 10BaseT/100BaseTX |
| | **Emulations/PDL** | HP LaserJet 4 (PCL 5e, PJL), HP-GL/2, PCL / PJL Extensions |
| | **Fonts** | 45 scalable fonts, 10 bitmap fonts, E13-B and CMC-7 |
| | **Barcodes** | Code 39, Code 93, Code 128, Codabar, 2/5 interleaved, … |
| **Paper Handling** | **Type** | Continuous forms and labels with tractor pin holes |
| | **Paper Transport** | Reversible paper motion, straight-through paper path |
| | **Paper Input** | Two independent, detachable tractor cassettes for fanfold paper |
| | **Paper Output** | Directable to the rear (zero tear off or cut without loss of form) … |
| | **Paper Cutter** | Integrated cutting device separates print jobs … |
| **Supported Print Media** | **Paper Width** | min. 4 inch, max. 17 inch, … |
| | **Paper Length** | min. 3 inch, max. 24 inch, … |
| | **Weight** | 64 g/m² up to 155 g/m² |
| **Control Unit** | **Processor** | APPC Pentium 266 MHz |
| | **Data Memory** | 64 MB |
| | **Program and Font Memory** | 8 MB FLASH EPROM,<br>allows onsite software update |
| | **Stacker Control** | Supports attached Paper Stacker iPS 4050/4060 |
| **Consumables** | **Toner Kit** | for A4 formats at 5% coverage: …<br>up to 1.6 Mio cheques at A4 page with … |
| | **Photoconductor** | up to 200,000 pages (A4 landscape) |
| | **Developer** | PP 4050XP: up to 305,000 pages (A4 landscape),<br>PP 4050XP MICR: up to 265,000 pages (A4 landscape) |
| | **Fuser Unit** | up to 665,000 pages (A4 landscape) |
| **Options** | **iPS 4050/4060** | Assures accurate stacking of forms … |
| | **Software** | Printer drivers for Windows 3.x/95/98/2000/XP/NT and LINUX … |

350 mm

780 mm    890 mm

technical
data

# PP 4060 / PP 4060 MICR

up to 63 pages per minute  (Letter Two-Up)
up to 59 pages per minute (A4 Two-Up)
up to 42 pages per minute (A4 landscape)
up to 41 pages per minute (Letter landscape)
up to 31 pages per minute (11" form length)
(up to 2,100 lines/minute at 6 lines/inch)
up to 14,000 cheques per hour (3" x 8" cheques on
12" x 17" paper, 8 cheques per page)

300,000 pages per month

2 component toner / developer, heat and pressure roller system with adjustable fusing temperature

… Keys: Online, Menu, Select, Return

… printer including iPS 164 kg (362 lbs.)

… 50 - 60 Hz; 220 - 240 V (-10/+6%) AC, 50 - 60 Hz

… operating current < 12 A peak, Stand by < 400 W; Sleep mode < 45 W

… storage - 10 °C to + 40 °C , 95 % rel. humidity (40 °C); Storage consumables - 10 °C to + 40 °C; 95% rel. humidity (40 °C)

up to 18,000,000 pages

… 2/5 industrial, EAN 8/13 Add on 2/5, Postnet, MSI, UPC-A Add on 2/5, UPC-E Add on 2/5, KIX-Code

| | |
|---|---|
| … or to the top (stacker for cut sheets) | to the rear (zero tear off or cut without loss of form) |
| … or cuts fanfold paper into single sheets | Integrated cutting device separates print jobs |
| … print area 16 inch | min. 6 inch, max. 18 inch, print area 17 inch |

… min. 7 inch, max. 17 inch if attached to stacker iPS 4050/4060

… up to 235,000 pages in standard mode, up to 330,000 pages in Eco-Top-Mode
… 2% coverage and 4 cheques 3" x 8" per page

| | |
|---|---|
| | up to 280,000 pages (A4 Two-Up) |
| | PP 4060: up to 430,000 pages (A4 Two-Up) |
| | PP 4060 MICR: up to 400,000 pages (A4 Two-Up) |
| | up to 940,000 pages (A4 Two-Up) |

… up to 3,000 pages without operator involvement, dimensions printer / iPS: 1,120 x 1,160 x 780 mm (W x H x D)

… device types for SAP R/3; printer configuration software (Windows 95/98/2000/XP/NT)

# Excellence in printing solutions

PSi Laser GmbH
Eiserfelder Straße 316
57080 Siegen, Germany

Phone     +49 (0)271 31387-0
Fax         +49 (0)271 31387-290

E-mail:    sales@psi-laser.de
Internet: www.psi-laser.de

09/2006

contact