

Outline of Applications Which Printer can be used optimally in which area

PSi Matrix Printer

1. Content

2.	Printer Summary	3
3.	Applications	11
Spe	ecial or optimum solution for forms in logistics:	12
CIN	M Transport document for international rail transport:	12
Airı	way bills	13
Inv	voices and delivery notes	13
Th	ne movement certificate EUR. 1 - Cooperation Agreement:	14
The	e movement certificate A.TR Preference certificate:	14
Ind	dustry:	15
Tra	ading:	16
Me	edical supplies:	17
Puk	blic administration:	17
Fina	ancial sectors:	18
Pa	ssenger traffic:	18
Pro	oduction:	19
Off	fice applications:	19
Pa	rcel services:	20
Inc	spection services	21

2. Printer Summary

Document Printer PR9

.... the Intelligent

Features

- Small Footprint
- Easy Handling
- 24-Needle Flat Bed technology
- Compact and modern Design
- High performance printing with up to 570 cps (10 cpi)
- Low printing costs, Extremely durable print head
- Automatic paper thickness tracing for optimal printing results
- Automatic Document edge sensing and alignment
- Serial (RS-232), parallel and USB 2.0 interface

Complies with international standards in bank printing

High-Performance Printer PP 204

.... the Compact

Features

- 24-Needle Printer
- Compact and modern Design
- High performance printing with up to 400 cps (10 cpi) or 319 pages / hour
- Extremely quiet at a maximum noise level of 49 dB (A)
- 1 continuous and 1 manual sheet feeder
- up to 5 excellent copies (1 + 4) A4
- Precise printing positioning
- 9 scalable Fonts
- Perfect barcode printing

Allows the economic rise in the professional matrix printing





High-Performance Printer PP 205

.... the compact Economic

Features

- 24-needle Printer
- Compact and modern Design
- High performance printing with up to 448 cps (10 cpi) or 319 pages / hour
- Extremely quiet at a maximum noise level of 49 dB (A)
- 1 continuous and 1 manual sheet feeder
- up to 5 excellent copies (1 + 4)) A3
- Precise printing positioning
- 9 scalable Fonts
- Perfect barcode printing

Allows the economic rise in the professional matrix printing

Continuous Printer PP 404

.... the best price/performance printer

Features

- 24 needle high-quality printer
- Flatbed technology for reliable paper transport
- Typically work load of 20.000 pages per month
- Rugged Design
- Performance: 470 pages / hour 20,000 pages / month
- Low noise level of <53 dB (A)
- Optinal Manual Sheet Feeder
- up to 6 Printing benefits (1 + 5)
- Separation of print jobs without loss of form
- Automatic paper thickness control
- 14 fonts including and block characters
- 13 different barcodes types are supported
- Integrated interface ser / par / USB

The high performance printer PP 404 offers a fast and cost-effective solution for printing listings, barcodes, labels and multi-form sets. It can be equipped with a manual sheet feeder for single sheets. The PP 404 is designed for applications in industries, logistics, retail, banking, office and public administrations which require reliable and economical printing.

System-Interface (PM):

USB2.0, Serial RS232 / RS422 (9PIN), Parallel (Centronics) with IBM / EPSON Emulation



.... The Multifunctional

Features

- 24 needle high-performance printers
- Flatbed technology for reliable paper transport
- Rugged Design
- Performance: 600 cps (10 cpi) 507 pages / hour 20,000 pages / month
- Low noise level of \leq 52 dB(A)
- 5 Paper Inputs
- 3 Paper Outputs
- up to 6 Printing benefits (1 + 5)
- Separation of print jobs without loss of forms
- Automatic paper thickness control
- Flexible paper handling for continuous forms, cut sheets, heavy form sets, labels, and envelopes
- Versatile capabilities for office and industrial applications
- Variable Interface Concept Personality Modules

The multifunctional 24-pin high-performance printer PP 405 in flatbed technology offers an extremely flexible paper handling and the variety of modular exchangeable interfaces (Personality Module) that enable integration into different system and network environments. It can be equipped with up to three ASF cassettes, a single-sheet feeder standard. Because of its low noise level it is best suitable for office environments. Its robust print engine and an optimized longevity housing guarantee extreme reliability in professional printing applications with typical print volumes of up to 20,000 pages per month.

System-Interface (PM):

Standard:

• USB2.0, Serial RS232 / RS422 (9PIN), Parallel (Centronics) with IBM / EPSON Emulation

- IPDS: Ethernet
- PJL: Parallel or Ethernet
- IGP 10,20,40: Parallel or Ethernet
- IBM-IGP 10/20/40: Parallel or Ethernet
- HP 2934/2235: Serial/Parallel/USB or Seriell/Ethernet/USB
- Genicom: Serial/Parallel/USB or Seriell/Ethernet/USB
- String Change: Parallel or Ethernet



.... the cost Rapid

Features

- 24 needle high-performance printers
- Flatbed technology for reliable paper transport
- Capacity: cps (10 cpi) 400 Lines per minute 750 page /hour 40.000 pages / month
- Plug & Print: Pluggable tractor cassettes alternatively accessible for quick and easy paper loading of two endless papers.
- Automatic paper thickness scan (AGC) 1 original + 5 copies
- 14 fonts including block characters. 13 barcodes
- Uni- and bidirectional precision printing
- Direct connection to host systems and networks
- Optional sound reduction kit for additional noise reduction by approximately 75%
- Variable Interface Concept Personality Modules

Wherever continuous paper is printed quickly and inexpensively, the PP 407 is used. Whether endless printing of lists, bar codes or graphics to form sets or labels, this printer model is perfectly designed for almost any continuous printing applications. Companies from retail, banking, insurance, logistics and industry set the PP 407 in professional application environments. The modular interface concept of PP 407 allows integration into almost any system and network environment. The extremely long-life XXL ribbon cassettes and the approved needle printing technology lead to very low total cost of ownership (TCO).

System-Interface (PM):

Standard:

• USB2.0, Serial RS232 / RS422 (9PIN), Parallel (Centronics) with IBM / EPSON Emulation

- IPDS: Ethernet
- PJL: Parallel or Ethernet
- IGP 10,20,40: Parallel or Ethernet
- IBM-IGP 10/20/40: Parallel or Ethernet
- HP 2934/2235: Serial/Parallel/USB or Seriell/Ethernet/USB
- Genicom: Serial/Parallel/USB or Seriell/Ethernet/USB
- String Change: Parallel or Ethernet



.... the cutting Rapid

Features

- 24 needle high-performance printers
- Flatbed technology for reliable paper transport
- Capacity: cps (10 cpi) 400 Lines per minute 750 page /hour 40.000 pages / month
- Integrated Cutting Device: for print job separation and cutting of continuous paper / -form sets into single sheets.
- Plug & Print: Pluggable tractor cassettes alternatively accessible for quick and easy paper loading of two endless papers.
- Automatic paper thickness scan (AGC) 1 original + 5 copies
- 14 fonts including block characters. 13 barcodes
- Uni- and bidirectional precision printing
- Direct connection to host systems and networks
- Optional sound reduction kit for additional noise reduction by approximately 75%
- Variable Interface Concept Personality Modules

•

The Fanfold printer PP 408 offers a professional solution for economical, quick and reliable high-performance printing applications. Whether continuous paper, form sets or labels, this printer model smoothly covers every request in fanfold printing. Additionally the integrated cutting device applies the perfect separating of the printed fanfold batch. Due to the professional applications especially logistics and industrial environments admire this printer solution. As well as other PSi matrix printers, the PP 408 also offers a modular connectivity concept into all major host systems and networks. The extreme long-life XXL ribbon cassettes in combination with the well proved matrix technology provide a very low Total-Cost-of-Ownership (TCO).

System-Interface (PM):

Standard:

• USB2.0, Serial RS232 / RS422 (9PIN), Parallel (Centronics) with IBM / EPSON Emulation

Optional:

- IPDS: Ethernet
- PJL: Parallel or Ethernet
- IGP 10,20,40: Parallel or Ethernet
- IBM-IGP 10/20/40: Parallel or Ethernet
- HP 2934/2235: Serial/Parallel/USB or Seriell/Ethernet/USB
- Genicom: Serial/Parallel/USB or Seriell/Ethernet/USB

String Change: Parallel or Ethernet

....the Compact

Features

- Heavy duty 24-wire dot matrix printer with IntellidriveTM Technology
- Compact flat bed design with 94 columns and print bar
- Robust design for industry
- High print performance: 600 cps (10 cpi) 500 pages/hour 40.000 pages/month
- Up to 9 excellent copies (1+8) Precise print positioning, perfect for form printout
- Up to 2 fanfold paper feeders and manual single sheets
- Low cost per page through 15 Mio character ribbon
- Printing width up to 94 columns (10 cpi)
- Easy user operation via macro functions
- Personality Modules (interfaces) for major host and network environments
- Optional paper cutter

The PP 803 printer offers a professional solution for heavy duty, flexible and costefficient printing. The rugged metal design, the paper run control, and the ribbon run control guarantee reliable unattended printing. With its proven connectivity concept the PP 803 is prepared for any network environment. The ultra precise registration allows perfectly to fill-in pre-printed forms such as shipping documents and tickets. The IntellidriveTM - Technology guarantees a perfect print quality with crisp letters and barcodes with highest readability. The Automatic Gap Control (AGC) allows to print on paper up to 1mm (0.04 inch) thickness and transport paper with a thickness up to 2 mm (0.08 inch). The long-life print head fires the wires against a print bar and can produce up to 9 copies. Up to two Tractor Cassettes and the Auto-Tear-off function make the handling of fanfold paper as easy as possible.

System-Interface (PM):

Standard:

Serial RS232 / RS422 (25PIN), Parallel (Centronics) with IBM / EPSON Emulation

- IPDS: Ethernet
- PJL: Parallel or Ethernet
- MT50: Parallel or Ethernet
- IGP 10,20,40: Parallel or Ethernet
- IBM-IGP 10/20/40: Parallel or Ethernet
- HP 2934/2235: Serial/Parallel or Serial/Ethernet
- Genicom: Serial/Parallel or Serial/Ethernet
- String-Change: Parallel or Ethernet

.... the multifunctional

Features

- Heavy duty 24-wire dot matrix printer with IntellidriveTM Technology
- Flat bed technology using print bar Robust design for industry
- High print performance: 700 cps (10 cpi) 580 pages/hour 40.000 pages/month
- Up to 6 excellent copies (1+6) Up to 6 paper inputs, up to 3 paper outputs
- Low cost per page through 30 Mio. character ribbon
- Printing width up to 165 columns (10 cpi)
- Easy user operation via macro functions
- Personality Modules (interfaces) for major host and network environments

The PP 806 is the professional solution for heavy duty, flexible, cost efficient printing. This multipurpose printer can take advantage of up to 6 different paper inputs for fanfold and cut sheet paper: Two removable tractor cassettes for fanfold paper, one manual front insertion for cut sheets and three optional sheet feeders for flexible printing. With its proven connectivity concept (PSi Personality Modules) the PP 806 is prepared for any network environment.

System-Interface (PM): Standard:

Serial RS232 / RS422 (25PIN), Parallel (Centronics) with IBM / EPSON Emulation

- IPDS: Ethernet
- PJL: Parallel or Ethernet
- MT50: Parallel or Ethernet
- IGP 10,20,40: Parallel or Ethernet
- IBM-IGP 10/20/40: Parallel or Ethernet
- HP 2934/2235: Serial/Parallel or Serial/Ethernet
- Genicom: Serial/Parallel or Serial/Ethernet
- String-Change: Parallel or Ethernet

.... the super fast



Features

- Heavy duty 24-wire dot matrix printer Flatbed technology using print bar
- Robust design for industry
- High Performance: 1000 cps (10 cpi) 800 pages/hour 40,000 pages/month
- Up to 6 excellent copies (1+6) Precise print positioning, perfect for form printout
- Dual paper input: 2 tractor cassettes and manual paper feed
- Low cost per page through 30 Mio character ribbon
- Wide print format up to 165 columns
- Easy user operation via macro functions
- Personality Modules (interfaces) for major host and network environments

The PP 809 combines the performance of a line printer with the flexibility of a dot matrix printer. The rugged design and the IntellidriveTM Technology guarantee reliable unattended printing and a workload of up to 40,000 pages per month. Two accessible tractor cassettes gives a high flexibility for the print production. The precise print registration allows to print also on multi-part form sets with high speed and accuracy. The PP 809 is a cost-effective alternative to line printers.

System-Interface (PM):

Standard:

Serial RS232 / RS422 (25PIN), Parallel (Centronics) with IBM / EPSON Emulation

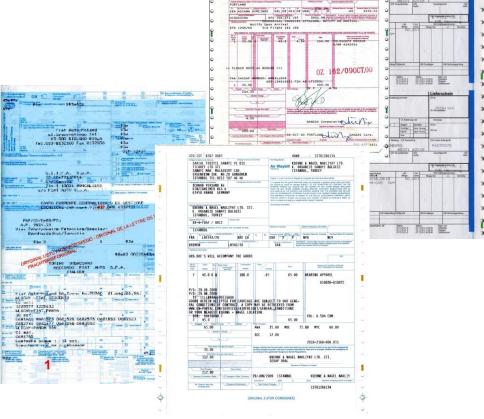
- IPDS: Ethernet
- PJL: Parallel or Ethernet
- MT50: Parallel or Ethernet
- IGP 10,20,40: Parallel or Ethernet
- IBM-IGP 10/20/40: Parallel or Ethernet
- HP 2934/2235: Serial/Parallel or Serial/Ethernet
- Genicom: Serial/Parallel or Serial/Ethernet
- String-Change: Parallel or Ethernet

3. Applications

Logistics:



- Delivery note and invoice printing
- Order lists
- Shipping documents
- Freight and air waybills
- Loading lists
- Stocklists
- Shipping labels
- AWBs / CIM
- Airway Bills



Suitable PSi printer models

Special or optimum solution for forms in logistics:

CIM Transport document for international rail transport:

The CIM (Uniform Rules concerning the Contract for International Carriage of goods, part of the COTIF Convention on international rail transport) are international uniform law that governs the contract of carriage without recourse to national transport law: They apply in most European countries, and the Mediterranean countries. Prerequisite for the application of the CIM:

- against payment goods were sent by rail
- at least two COTIF States (Member States) are affected during transport
- continuous CIM waybill

Carry and tariff binding, Article 3 CIM:. The railway is gem. §1 CIM bound to forward all than truckload discontinued goods in accordance with the Uniform Rules, unless:



- the sender complies with the Uniform Rules and tariffs
- carriage with the people and the normal modes of transport is possible, complying with the regular needs of traffic.

This document is available in several versions:

- 5-fold self-copying / endless
- 5-fold with carbon paper / single formset
- 5-fold self-copying / endless +1 adoption certificate
- 5-fold self-copying / endless +1 shippers copy (p. 4)

These forms can be processed excellently by all PSi PP 40x and PP 80x printers. The form is, however, of innumerable, very small printing Position the windows that can only be processed by printers with low vertical tolerances.

The PP 80x family are especially well suited since these guarantee the Intellidrive function for perfect positioning.

Airway bills

A special created document. Issued in his favor by the carrier confirming the receipt of the goods by the carrier and will become the contract between the relevant shipper and the carrier, through which the transport of the goods to be carried by plane.

Basically, all PP 80x are models suitable for processing.

But the PP 803 is ideal for use. With 1 + 8 copies, cutting device, with Intellidrive function and its small dimensions.



Invoices and delivery notes

For multilayer invoices and delivery notes on fanfold paper or single set of forms:

all invoice and delivery forms depend on the confection means numbers of copies will excellent printed

Invoice and delivery forms

- 1-3 copies = PP 809
- 1-4 copies = PP 20x
- 1-5 = copies all PP 40x and PP 803 / PP 806
- 1-6 copies = PP 803 and PP 806
- 1-8 copies = PP 803

Invoice and delivery forms sets (ASF)

- 1-5 copies = PP 405
- 1-6 copies = PP 806

Invoice and delivery forms sets manual insert

- 1-5 = copies = all PP 40 x and PP 803 / PP 806
- 1-4 = copies = all PP 20x, 40x PP and PP 803 / PP 806
- 1-6 copies = PP 803 and PP 806
- 1-8 copies = PP 803

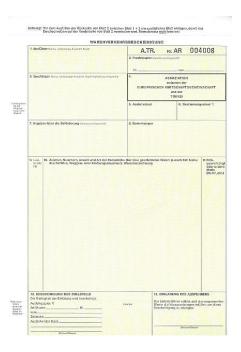


The movement certificate EUR. 1 - Cooperation Agreement:

 only required for trade with the countries with which the European Community has concluded free trade, preferential or cooperation agreements, as well as with countries and regions that are associated with the European Community.

The movement certificate A.TR. - Preference certificate:

 The preference certificates A.TR. is a proof of origin except for the free movement certificate, which is valid in trade with Turkey



Exhibition of the preference certificate:

For the exporter, the EUR 1 is in connection with the handling of shipping the goods issued by the shipping customs office responsible for him. The EUR. 1 is the Customs office filed and submitted on request proof papers (for example, vendor declarations) to prove the origin of export goods.

Validity of the preference certificate:

Here issued preference documents are generally four months and in part, five months or more valid that is, they must be submitted within this period the customs authorities of the importing country

This document is available in 2 versions available and has 1 Original + 1 Copy

Version 1

Endless form set (perforated edge)

This form can be processed excellently by all PSi PP 20x, 40x PP and PP 80x printers..

Version 2

Single-sheet set (head glued)

This form can be automatically processed with a ASF cassette A in the printers PP 405 and PP 806. Manual processing is possible through the bypass tray in the models PP 20x, PP 404, PP 405, PP 803 and PP 806.

Industry:

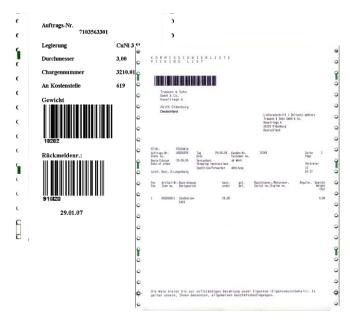
Industrial forms (often pre-printed) as an application example, in production facilities in the form of multiple sets, which are used mostly in the production area with large bar codes and numbers for the semi-finished products or as Production accompanying document. Blank forms serve as a single document and are usually destroyed at the end of the manufacturing process as a paper backing, but archived as an electronic document.

The documents of the clothing industry in large quantities, as different Sewn label, trailers or goods labeling labels are located directly on the clothing. Materials are Tyvek, cloth or cardboard.

- manufacturing documents with or without barcode
- Production Lists
- Work accompanying documents
- Production Descriptions
- Storage documents
- Test certificates
- Reviews
- Pick lists







Suitable PSi printer models

Trading:

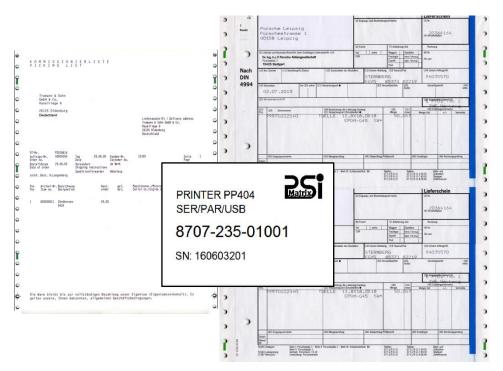
Trade is the exchange of Goods- and services. A Functional Classification always exists, "if market participants goods that they do not manufacture or treated or processed, this constituted by other market participants and to third parties settle itself." That are mostly production, craft and agricultural enterprises, buy the merchandise to enrich their marketing program.

In trade will mainly

- Transport or Commercial Documents
- Warehouse Logistics Documents
- Education and Migration Documents,
- Pick and Pack Lists,
- Order picking and Provision documents.
- Labels, Pallet sticker ect.

Printed.





Suitable PSi printer modelss

Medical supplies:

- Prescriptions, Transfers
- Incapacity Certificates
- Receipts (consultation fee)
- Vaccination and Mother Passes





Suitable PSi printer model

PR9

In addition to applications in medical practices, which are dependent on aid in the daily operations on user-friendly and practical handling become document printer in a variety of applications such as e.g.:

Public administration:

• Cars License Agency:

Registration Certificate Part I, Part II, (For example, I, EG II)

International Certificate of Approval,

• Registration and Deregistration, Emissions sticker etc.

• Driving licenses:

• Document for producing a driving license card (VKM)

International Driving Licence



Suitable PSi printer models

PR9 / PP 405 / PP 407 / PP 806

- Passport
- Certificates, Diplomas,
- Replacement Documents
- Hunting and Fishing licenses ect.



Suitable PSi printer model

PR9

Financial sectors:

- Bankbooks
- Checks
- Bank Statements
- Bank Transfer Form



Suitable PSi printer models

- PR9
- PP 803 in continuous printing (bank statements / transfer form)

Passenger traffic:

- Regional and mainline services (railway)
- Local Traffic (Bus, Train)
- Ferry Services
- Passenger Lists



Suitable PSi printer model

PR9

Production:

- Production papers
- Work accompanying cards
- Weighing cards / Weighing documents
- Identification (tag, labels)



Suitable PSi printer models

PP 204 / PP205 / PP 404 / PP 405 / PP 407 / PP 408 / PP 803 / PP 806 PP 809

Office applications:

- Travel books
- Business letters
- Income Records
- Mailings
- Information Letter
- E-mail communication
- Descriptions
- Contact Information
- Ect.





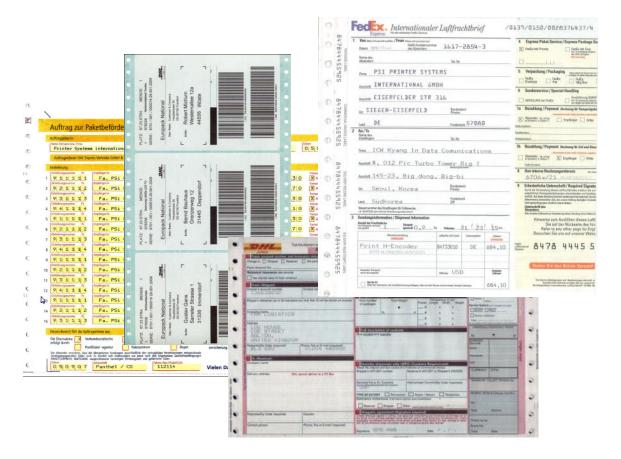
Parcel services:

Date delivery of goods on weekdays mostly at certain times (8 am, 9 am, 10 am or 12 o'clock) and Saturday deliveries. In addition, the delivery service packages is offered directly to the workplace of the recipient.

(Shipper UPS, DHL, FedEx, etc.)

- Shipping label
- Delivery documents
- Transaction Documents (collection lists)





Suitable PSi printer models

Inspection services

- Audit Certificates
- Test reports
- Certificates
- Registration Certificates
- Technical Product Information





Das Farbband S/RS78 8709 002 37801 ist nicht geeignet X geeignet und wird **nicht** in die Empfehlungsliste für die Zulassungsdokumente aufgenommen. X in die Empfehlungsliste für die Zu-lassungsdokumente aufgenommen. Ergebnis Druckertest Drucker PP40X mit 27.07.2005 Farbband S/RS78 8709 002 37801 Zulassungsdokumente Bemerkungen Dokumentenechthelt: Schwächen nach 60 h UV Lichtbeständigkeit Maschinenlesbarkeit X Alterungsbeständigkeit Х Schwächen bei Aciton, E-thanol, Trichlorethylen und Methylethylketon (MEK) Schwächen bei Chlor Х Lösemittel- und Chemikalienbeständigkeit Abriebbeständigkeit X Haftung Druckbild: Textqualität

Die Prüfungen Lichtechtheit, Lösemittel- und Chemikalienbeständigkeit hatten bei den oben genanten Stoffen einen Einfluss auf die Lesbarkeit der Schrift. Eine Verbesserung wäre im Sinne der Sicherheit wünschenswert.

Suitable PSi printer models