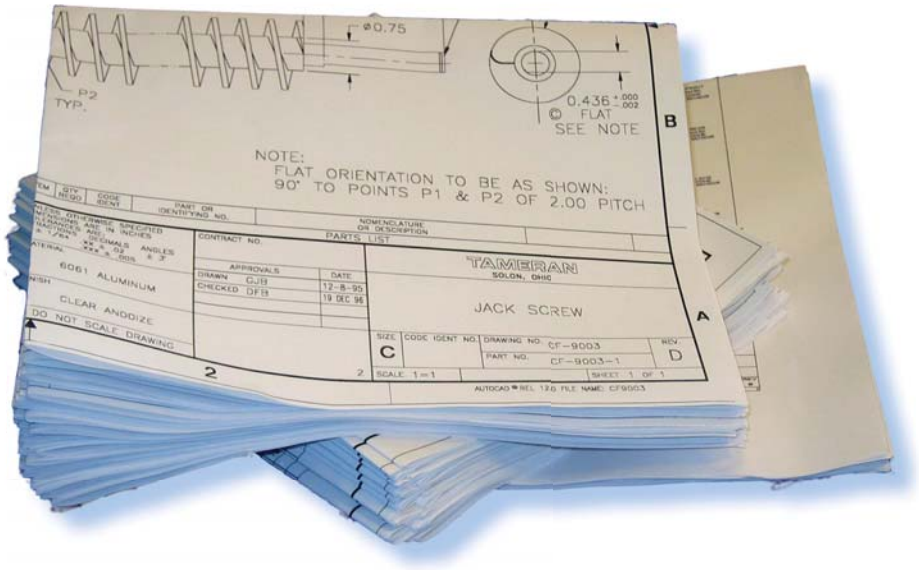
Automatically Fold Wide Format Prints

Printfold 2500 On-line Wide Format Folder

- Reduces printer operating costs
- Precise, automated wide format document folding to USA standard preferences
- Integrates with virtually any printer
- Integrates with Tameran SureStak
- Operates at full print engine speed
- Offline folding
- Flat sheet stacking capability
- Fan folding
- Automatic turning of A-C size prints
- Offload conveyors for 40-200 E-size folded prints



The Challenge of Handling Wide Format Prints

Have you thought about how your wide format documents impact your business?
What do your engineering documents say about you?
Are your wide format documents slowing down the pace at which you do business?

Today, businesses are constantly looking for ways to decrease expenses and production times while increasing profits and their competitive edge. Distribution of wide format documentation can hinder processes from being achieved on time and within budget due to problems and costs associated with hand folding, and most current automated solutions fall short of delivering precise fold patterns to match the individual requirements of an organization.

Wide format printers and copiers generate various sizes of documents that can be difficult to handle in daily use. These engineering and architectural-sized documents range in size from 11" x 17" to 36" x 48". Rolling wide format technical documents for storage and distribution hinders procedures for quick search and distribution. The laborious process of searching through rolls of documents, unrolling them to find the title block then rolling and stacking again wastes time and productivity, not to mention wear and tear on the prints that can ensue.

By folding wide format prints to sizes similar to standard size office documents, they become easier to manage and distribute. Stacks of rolled documents take more storage area in comparison to documents that are precisely folded and either stacked flat or placed in file folders. Folded wide format prints may be combined with other documents for easier distribution and user convenience.

How do you intend to use the prints from your wide format printer? Will you put them in binders with other documents, insert them with other documents in job pouches or file them with other documents? Will you ship wide format prints with other documents?

Folded prints are easier to handle, file, transport and use in manuals and books.

But, hand folding is not the answer for organizations wishing to cut costs. Hand folding engineering drawings is time consuming, costly and requires training to accurately achieve the desired result with repeatability.

The Printfold 2500 On-line Automated Folder will fold precisely time after time to whatever specifications you require. Whether your documents are folded to fit in a binder, job pouch, file folder or mailed in an envelope, the result is a neat, crisp packet regardless of document size.

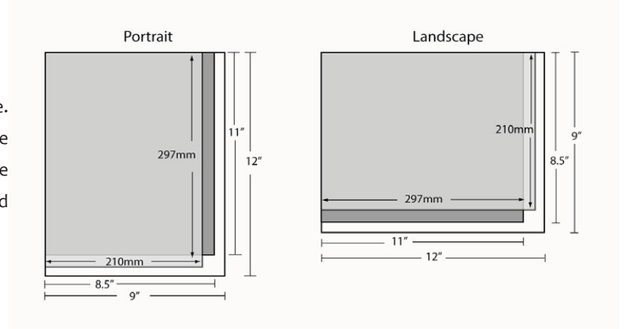
Printfold 2500 On-Line Wide Format Folder

Understanding Wide Format Print Folding Concepts

The basic premise of folding technical drawings is to reduce the size of the document to a packet size that is convenient. Generally this means reducing the size to an “A” size in the USA or an “A4” size in the metric system. In the USA, “A” size means 8.5" x 11" or 9" x 12". In the metric system, “A4” size means 210mm x 297mm.

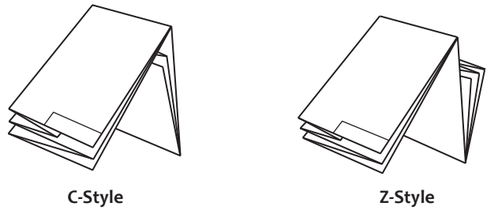
Orientations

Folded packets come in two basic orientations, portrait or landscape. The portrait, vertical style is used exclusively in the DIN Standard. The landscape style is popular because it works well when used in a file folder system. The Tameran 2500 Printfold produces both portrait and landscape orientations.



Styles of Folds

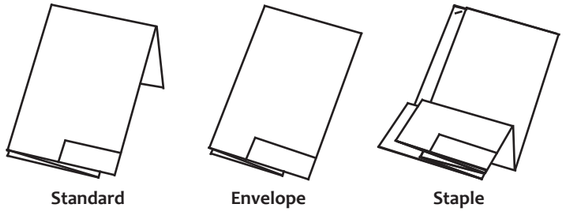
While it is possible to have a number of different fold styles, the two styles that are most widely used and preferred are the C-Fold and the Z-Fold. The difference between the fold styles is that for fold packets having more than two panels, the subsequent panels are tucked inside the first two panels with the C-Style and left on the outside with Z-Style. Fold packets having more than two panels can be folded with the extra panel(s) tucked inside the first two panels (C-Style) or remain on the outside (Z-Style). The C-Style fold is preferred for filing and distributing since the packet stays compact.



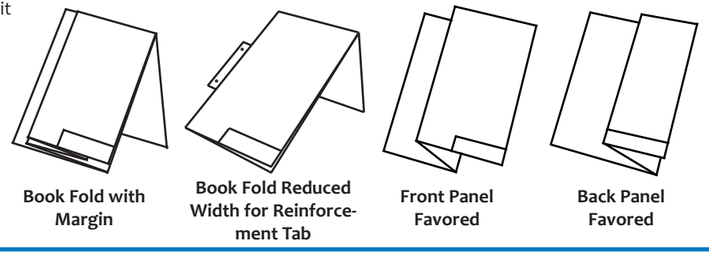
Types of Fold Packets

Folded packet types are based on their intended use.

- Standard Packet – for filing and distribution in portrait or landscape orientation
- Envelope Packet – for inserting in envelopes (sometimes referred to as a mailer or baggy packet) in portrait or landscape orientation
- Staple Packet – for stapling to other documents (portrait orientation)
- Book Fold Packet – for placing in binders (portrait orientation)
  - Book Fold packet with margin for binding
  - Book Fold packet with reduced width to allow for an attached reinforcement tab for binding



Book Folds

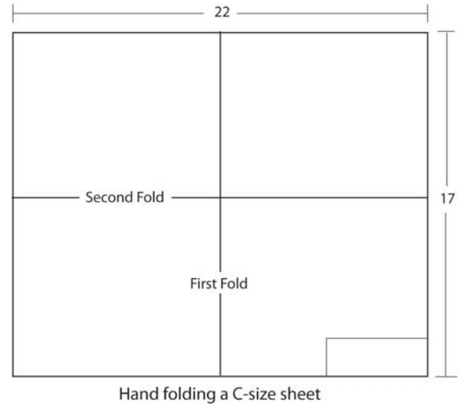


Book Fold packets are available in two variations: front panel-favored and back panel-favored

User preference is the most important consideration when deciding on packet orientation, fold style and packet type.

Does your organization prefer portrait or landscape orientation for filing?

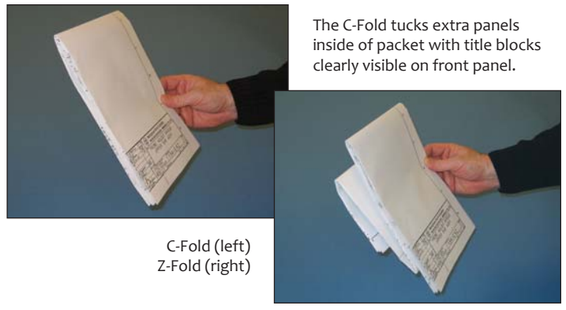
You can choose either portrait or landscape orientation for filing. If you prefer balanced packets of uniform thickness, then a mix of fold styles based on paper size would be the choice. (C-size (A2) and E-size (A0) prints are folded landscape while B-size (A3) and D-size (A1) are folded portrait to produce packets of uniform thickness since all panels are the exact same size.) This combination of mixed fold styles most closely emulates hand folding. The most popular folded print in the United States is a C-size print (folded landscape), where all panels are exactly the same dimension. Manually, this would be accomplished by folding the print in half along the longest dimension and in half again.



Hand folding a C-size sheet

Do you prefer C-Style folding?

While it is possible to have a number of different fold styles, the two that are most widely used and preferred are the C-Fold and the Z-Fold. Tameran Printfold produces both C-Fold and Z-Fold styles as well as more fold types than any other automated folder in the world. In the U. S., a C-Fold is the standard by which folds are based. A C-Fold creates a single edge for easy identification and sorting since edges are tucked within the packet. Title blocks are easily visible on the front of the folded packet.



The C-Fold tucks extra panels inside of packet with title blocks clearly visible on front panel.

C-Fold (left)
Z-Fold (right)

Do you need to place prints in envelopes for transporting?

If standard envelopes are used for mailing or plastic sheet protectors are used in a binder for distributing to a manufacturing area or job site, the Envelope Packet would be chosen. In order for a folded packet to fit in a standard envelope or plastic sheet protector, the packet needs to be smaller (approximately an inch smaller) than the standard A-size (A4) packet. This allows for the thickness of the packet.

Folded print (Envelope Packet) in plastic sheet protector with various other documents

Do you need to bind the prints?

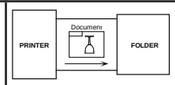
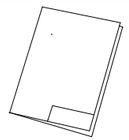
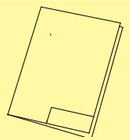
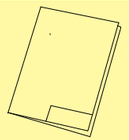
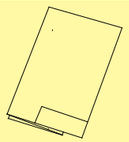
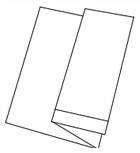
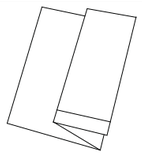
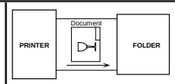
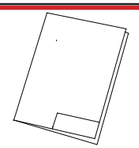
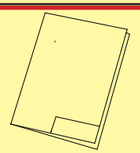
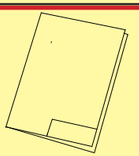
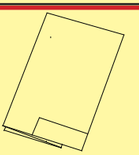
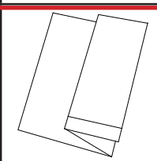
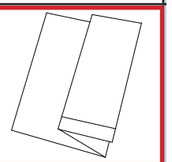
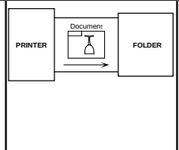
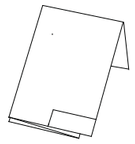
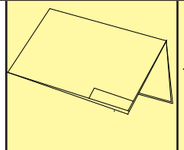
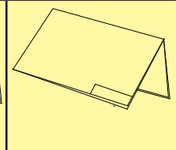
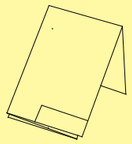
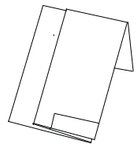
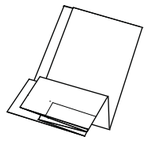
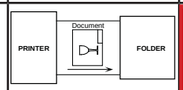
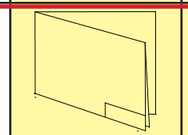
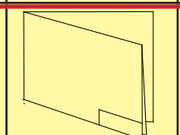
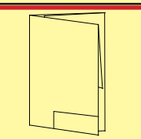
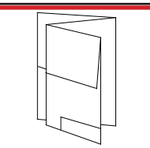
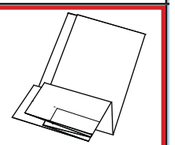
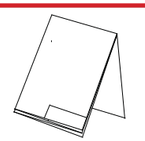
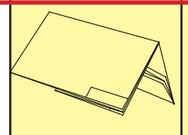
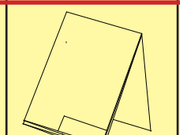
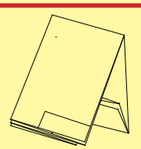
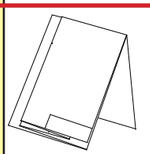
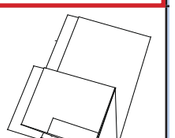
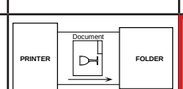
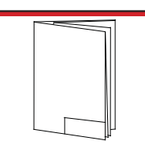
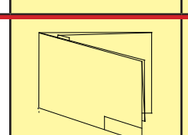
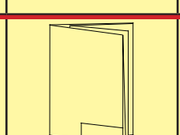
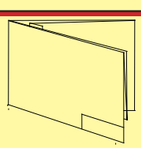
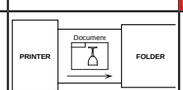
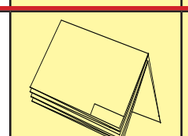
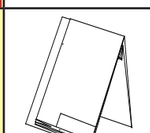
If you intend to place the folded print in binders, the Book Fold would be preferred. Book Fold Packets provide margins for punching holes. The user must choose the variation of book folding (Front or Back Panel Favored) which is a matter of personal preference. Generally, Back Panel Favored is preferred in the U. S.

Are you combining folded prints with other documents by stapling?

If the user wants to combine a folded document with other A (A4)-size documents by means of stapling, the Staple Packet would be chosen. This is a variation of the Book Fold with Margin where the staple is applied in the margin of the upper left corner of the document.

Printfold 2500 On-Line Wide Format Folder

Most Popular Folded Packets in North America

Print Size	Orientation	Portrait Packet C-Style 8.5” x 11” 9” x 12”	Landscape Packet C-Style 8.5” x 11” 9” x 12”	Mixed Based on Original Size 8.5” x 11” * 9” x 12” *	Mailer C-Style 7.5" x 10" 8" x 11"	Book Fold Back Panel Favored 8.5" x 11" 9" x 12"	Staple Back Panel Favored 8.5” x 11” 9” x 12”
B-Size 11” x 17” 12” x 18”							
							
C-Size 17" x 22" 18" x 24"							
							
D-Size 22" x 34" 24" x 36"							
							
E-Size 30" x 42" 34" x 44" 36" x 48"							

What You Need is What You Get

Printfold folders provide all the fold patterns common in the North American market and meet world wide folding requirements.

Don’t Be Fooled

Prinfold folders are the only folders to produce all styles and types of folds that meet your customs and standards; true-size fold packets from any media width. Printfold folders match maximum printer throughput speeds for all wide format printers while some folders from other manufacturers do not.

Printfold folders also produce folded packets that meet European and Japanese standards and customs.

Indicates Most Popular North American Fold Packets

Architectural Series (9” x 12”) can be Folded to either 9” X 12 “ or 8.5” X 11” Size Packets

Maximizes Printer Throughput

*Folded to Packet Size Based Upon Original Size

Printfold 2500 On-Line Wide Format Folder

More Productivity, Less Waste

Process improvements and reductions in labor requirements are realized when a Printfold folder is included in the wide format print process. Automated folders limit or eliminate costs associated with hand folding and distributing wide format documents.

Printfold folders will:

- improve unattended printing by multiple users
- improve the capability to print sets of documents
- improve offloading productivity in a production environment
- significantly reduce labor costs as compared to manual folding

Realizing and correcting productivity impediments will provide labor savings.

- Do you send print jobs from your workstation?
- Do you make sets of prints?
- Who makes your prints? What percentage of prints are made by clerical staff versus engineers or other professional staff?
- How often do you fold your prints?
- What percentage of your prints require folding?
- Who does the folding?

Understanding the answers to these questions and the potential reduction in labor through use of automated folding can mean substantial productivity improvements.

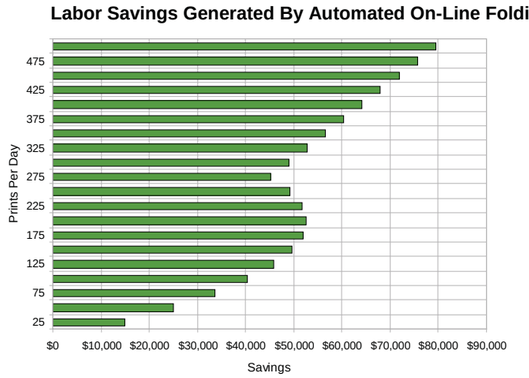
Wouldn't your time and the time of your associates be better spent on activities that add value to your organization rather than folding prints?

Every Minute and Every Dollar Counts

The amount of potential labor savings is dependent on the number of folded prints made and the labor rate. The labor rate is determined by the classification of the employee producing the prints. In centralized or high volume printing applications, the labor for producing folded prints is usually performed by clerical employees. However, as document printing is decentralized and produced on lower cost and lower volume printers, the classification changes. The user in this environment tends to be a blend of clerical and professional classifications. Therefore, the cost of labor per print increases as higher paid employees print their own documents.

In today's business environment, every minute and every dollar counts. With Printfold, wide format printer customers can generate operational cost savings to pay for a folder with as few as 75 prints per day. Higher volume users can generate savings that can even be used toward the cost of the printer.

Labor Savings Generated by Automated On-Line Folding



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Modular Features

The 2500 Series folder allows documents to be folded up to 36” wide and 14’ long (14 panels x accordion fold dimension) into portrait, landscape or bookfold packets with a choice of “C” style crossfold or “Z” style crossfold.

Printfold 2500 folders are available in several speed ranges to easily integrate with your wide format copier or printer, providing the productivity tools necessary to meet your requirements. Offloaders are available with capacity to hold from 40-200 E (A0) size folded prints. The flat sheet stacking capability is recommended for applications where some of the output will not be folded and the extended length feature is suggested for customers running longer documents or wishing to fan fold certain documents without crossfolding.

Flat sheet stacking

This feature provides capability to stack up to 100 unfolded E (A0) size prints on a removable wireform tray. Optional on some models.

Off-line folding

Hand feeding of prints into the 2500 folder is possible for convenience folding. Even wide format ink jet prints can be hand fed to obtain precise folded packets.

Extended length – fan fold

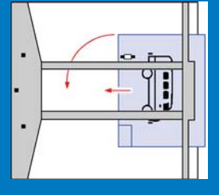
This feature provides accordion folding capability for drawings up to 30 panels long (30 feet when folding 12” panels) along with a rear exit system and receiving tray. For documents longer than 30 panels, the unfolded portion will exit the machine for folding manually. Optional on some models.

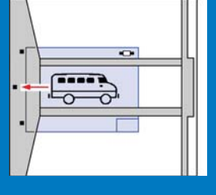
Folded print receiver

The folded print receiver stacks up to 100 E (A0) size drawings adding convenience and productivity for low and mid-volume users. The high volume unit holds up to 200 E (A0) size drawings.

Automatic turning of A(A4)–C(A2) size prints

The turner provides a “virtual” fourth paper roll to three roll print engines for folding purposes. The Printfold 2500 Series allows C (A2) size prints to be fed from the printer long edge leading. While this capability is generally not required, some book-folds, custom folds and European applications complying with the DIN specification may require this option. The automatic turner is also necessary with wide format printers that only feed A (A4) size prints short edge leading in order to allow for proper paper handling by the folder. Optional on some models.





More Folds, More Flexibility

The Tameran 2500 Series folding engine is designed with the most flexibility in meeting folding requirements from around the world, whether those requirements are based upon USA paper sizes, DIN, AFNOR, ERICSSON or JIS standards, or from local methods or customs. The Tameran 2500 fold engine is capable of producing significantly more fold patterns used around the world than any other wide format folder.

Tameran’s Printfold 2500 Series eliminates all of your wide format folding headaches by delivering a versatile, comprehensive automated fold solution. Documents are consistently and accurately folded to whatever specifications you require. Printfold integrates with virtually any engineering copier/printer (from the slowest to the fastest) creating seamless workflow integration, greater productivity and reduced costs.

Tameran’s Printfold folders produce the most effective, usable fold packets. Printfold consistently folds to create uniform and readabled title blocks and fulfills most organizations’ need for the title block to be located in the lower right corner of the packet and oriented so that it is face up and readable. Printfold folders also generate fold packets that are easier to handle, file and distribute by producing a minimum number of folds to minimize packet thickness and reduce folds that inhibit reading the data when viewing the unfolded print. Thinner packets also enable lower shipping costs by allowing more folded documents to be shipped per box.

Printfold 2500 On-Line Wide Format Folder

Technical Data

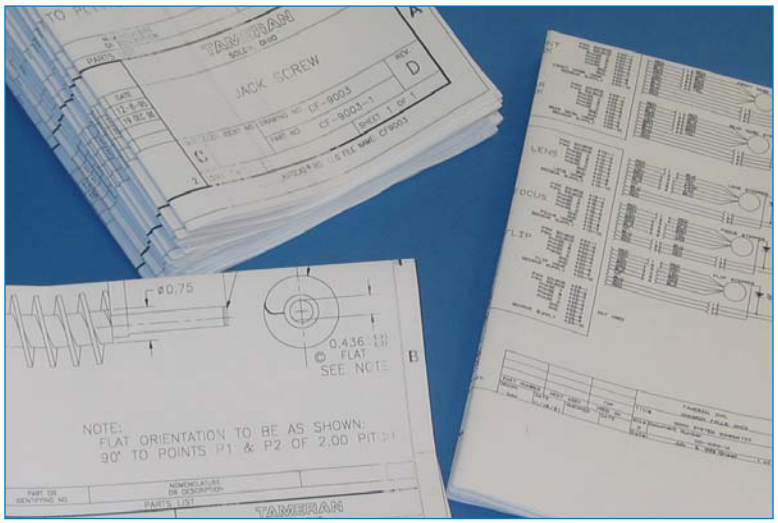
Specifications	
Printer Speed	
Fold Accuracy	Exceeds industry standards including DIN 824 specifications
Print Width	Minimum 8½" (216 mm) Maximum 36" (914 mm)
Maximum Print Length Base Model (accordion fold only)	14' or 14 panels x selected accordion panel width
Maximum Crossfoldable Print Length	14' or 14 panels x selected accordion panel width Maximum lengths given here assume 20 lb (75 gsm) media *Heavier weights may limit capacity*
Media Weights	18 lb to 22 lb bond (67.5 to 82.5 gsm)
Accordion Folds	Choice of panel widths: 7½", 8½", 9", 12", 105 mm, 170 mm, 190 mm, 210 mm, 297 mm
Packet Folds	Choice of portrait (C- or Z-fold) or landscape (C-fold only): ANSI packet dimensions: 8½" x 11" Architectural packet dimensions: 9" x 12" Metric (ISO) packet dimensions: 210 mm x 297 mm Custom fold packet sizes available
Book Folds	Choice of binding edge from ½" to 2" in ¼" increments (metric choices: 20, 30 or 40 mm)
Communications Interface	Tameran vivacé for Printfold Printfold Folder Interface Xerox General Folder Interface (GFI) for AccXES Controllers
Off-Line Folding	Manual infeed feature allows off-line flat sheet folding
Flat Sheet Stacker (Optional)	Option 1: Unfolded prints exit back of folder and stack on extendable (detachable) wire-form rack-approximately 100 sheet capacity Option 2: SureStak 300 - up tp 300 sheet capacity Option 3: SureStak 1000 - up to 1,000 sheet capacity
Extended Length-Fan Fold (Optional on Some Models)	30' or 30 panels x selected accordion panel width [Example: with 8½" (216mm) panels, maximum length is 30'x 8½" = 255" (645 cm)]
Automatic Turner for A–C Size Prints (Optional on Some Models)	Rotates A–C size prints when necessary for the folder to properly handle the documents. (Used when printers have roll capacity or paper feed limitations.)
Folded Sheet Stack Tray (Optional on Some Models)	Approximately 40 E-size (A0) folded prints
Mid-Volume Exit Conveyor (Optional on Some Models)	Stacks up to 100 E-size (A0) folded prints
High Volume Exit Conveyor (Optional on Some Models)	Stacks up to 200 E-size (A0) folded prints

Installation Specifications		
Weight	Net: 450 lb. (205 kg) Shipping: 650 lb. (295 kg)	
Dimensions	Length-base unit Length-with flat sheet tray Width Height	52" (1321 mm) 92" (2337 mm) 63" (1600 mm) 44" (1120 mm)
Minimum Distance from Wall	Front Right Side Back Left Side	0 (attached to printer) 24" (610 mm) 33" (838 mm) 36" (915 mm)
Power Requirement	USA/Canada International Japan In all cases dedicated circuit is recommended	115 Vac ± 10% (60 Hz) 230 Vac ± 10% (50 Hz) 100 Vac ± 10% (50/60 Hz) 200 Vac ± 10% (50/60 Hz)
Electrical Receptacle	USA/Canada International Japan	Standard Single Phase, 15 Amp Receptacle NEMA 5-15R Standard Single Phase, 10 Amp Receptacle 100 Vac Standard Single Phase, 15 Amp Receptacle 200 Vac Standard Single Phase, 10 Amp Receptacle
Environment	60°F to 80°F (15°C to 27°C) 40% to 60% R.H. Non-condensing	
Safety	ETL, CE	

Printfold 2500 On-Line Wide Format Folder

Tameran has equipped the Printfold 2500 Series with everything necessary to make successful fold packets: unlimited fold capability, reliability, productivity, consistency and flexibility.

With a Printfold Folder, you gain the satisfaction and peace of mind in knowing you've chosen the highest quality folder from the proven leader in automated folding solutions.



Tameran Customer Support Program

All of the features of the Printfold 2500 Series make it number one in productivity and quality, and with Tameran's proven, customer-centric support program, interruptions to business are minimized. Join the many who utilize Tameran's on-site, telephone and on-line Smart Assist support and training systems.

View our entire product offering at www.tameran.com

Tameran Graphic Systems, Inc.
30340 Solon Industrial Parkway, Solon, OH 44139
p: 440-349-7100 f: 440-349-7124

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