

BDS Marathon A history of innovation.

Since the introduction of our first Fan Folder in 1983, BDS has been providing high performance accessories and equipment for the label and forms printing industries.

We remain committed to quality and innovation in the products we design and build. Utilizing unique engineering concepts and applications, we offer a broad range of on-line and independent folding and stacking equipment adaptable to web presses of all types and brands. From short run narrow web label applications to high volume, high speed, automated packaging systems, the BDS approach to custom engineering is your guarantee of superior performance and cost efficiency.

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Distributed by:



2583 Chomedey Blvd., Laval (Montreal), Quebec, Canada H7T 2R2
Tel.: 450 687-7262 ✉ Fax: 450 687-2558
email: sales@rdpmarathon.com ✉ web site: www.rdpmarathon.com

High Performance Accessories For The Label And Forms Industries



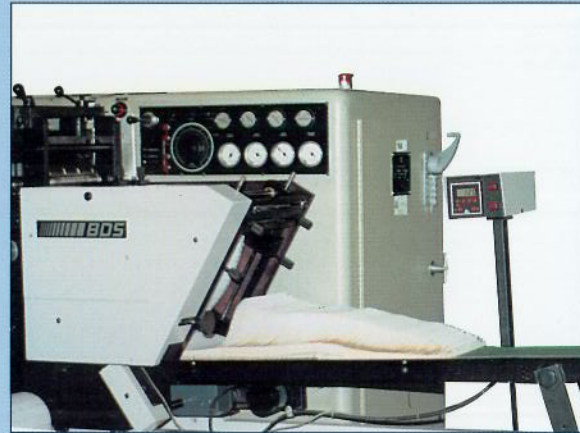
- Fan Folders
- Stream Folders
- Stackers
- Infeed Systems
- Autopak™ Fan Folders
- Processors
- Custom Designed Accessories



BDS Marathon... High speed folding, stacking and control systems.

HIGH SPEED FAN FOLDER

MODEL 1000



The precision built **BDS Fan Folder** is designed to meet the specific needs of the label and tag industry. Available for presses with web widths to 19 inches (485 mm), the **BDS Fan Folder** is fitted directly to the press and is driven from the main press gearing.

The clean and open design of the **BDS Fan Folder** allows easy access for quick set up and easy product inspection. Safe removal of completed product from the unit while operating at full press production speeds keeps product handling to a minimum.

Features include:

- Adaptors available for a wide range of web presses.
- The unit has an optional Counter and Pack Advance system.
- A variable fold length in 1/8" increments using a single change gear system.

Specifications:

Web width (Maximum)	Max. of press to 19.00"	485mm
Web width (Minimum)	2.00"	50.8mm
Fold length	6.00" to 14.00"	152mm to 356mm
Operating speed Max.	800 folds per minute	
Gearing	1/8" CP/32 DP	

MULTI-STREAM FAN FOLDER

MODEL 4000/4500



The **BDS Stream Folder** is available in short or long fold versions with maximum widths of 10", 18" or 20" wide.

The **Stream Folder** will slit and fold multiple streams of labels, forms or tickets using the quick removal slitter cartridge. This fully adjustable shear slitting cartridge allows a full width web to be precisely slit into as many streams as required. The streams are delivered onto a single full width conveyor or into optional stacking system.

Designed for fast change over, the fold length is variable in 1/8" increments using a single quick change gear system. The unit can be changed from multi-stream to single stream in minutes.

Adaptors are available to allow the unit to be run on a wide range of label or forms presses.

Specifications:

	10"	18"	20"
Web width (Maximum)	11" (278mm)	19" (482mm)	21" (540mm)
Web width (Minimum)	2" (50mm)	2" (50mm)	2" (50mm)

Fold length/Max speed

		Metric for each unit
Model 4000	8" to 19"/300 fpm	203mm to 483mm/300fpm
Model 4500	5" to 14"/600 fpm	127mm to 356mm/600fpm

OFF-LINE FAN FOLDER

MODEL 2000/2500



The **BDS Off-Line Fan Fold** system is available with 1000 or 4000 series folders. The system provides an unwind and drive unit to the folder allowing it to run fully independently. The **BDS Off-Line** system is equipped with a variable speed drive and automatic tension control. The unwind roll is surface driven with air shaft. The Jumbo version of this unit will take a 40" diameter roll and incorporates a variable infeed drive system.

Specifications Model 2000

Web widths available	10.00" to 18.00"	254mm to 458mm
Maximum roll diameter	26.00"	660mm
Air shaft diameter	3.00"	76mm
Maximum speed	500 folds per minute	500 folds per minute

Specifications Model 2500

Web widths available	10.00" to 18.00"	254mm to 458mm
Maximum roll diameter	40.00"	1016mm
Air shaft diameter	3.00"	76mm
Maximum speed	500 folds per minute	500 folds per minute

Units are available with die cutting and cross perfin units.

AUTOPAK™ MULTI-STREAM FAN FOLDER

MODEL 4800



The **BDS "AUTOPAK™" Multi-Stream Fan Folder** is a fully automatic high speed Batcher/Stacker Fan Folder that will fold multiple streams of labels or tickets. The **AUTOPAK'S™** exact count cut-off system allows completed multiple packs or streams to be delivered ready for shrink wrapping or packaging.

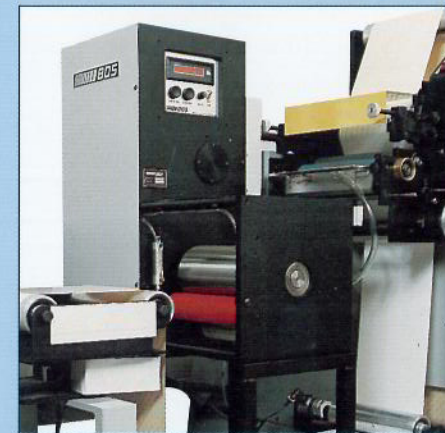
Features include:

- Cut-off at 100% count accuracy within .015" of perforation, and pack separation at 600 feet per minute.
- Accurate slitting of full width web to deliver as many streams as required without ties.
- PLC controlled system allows simple, fast setup with available modem adjustability and diagnostics.
- Line-shaft drive adaptors available for a wide range of web presses.
- The unit can be changed from stream to stack delivery in minutes.

Specifications:

	20.00"	508mm
Web width	4.00" to 20.50"	101mm to 520mm
Fold length	4.50" to 12.50"	114.3mm to 318mm
Stack height	.38" to 12.00"	9mm to 305mm
Operating speed Max.	600 feet or 11 cycles per minute	
Maximum fold speed	1500 folds per minute.	
Gearing	1/8" CP	Patent pending

METERED INFEED SYSTEM



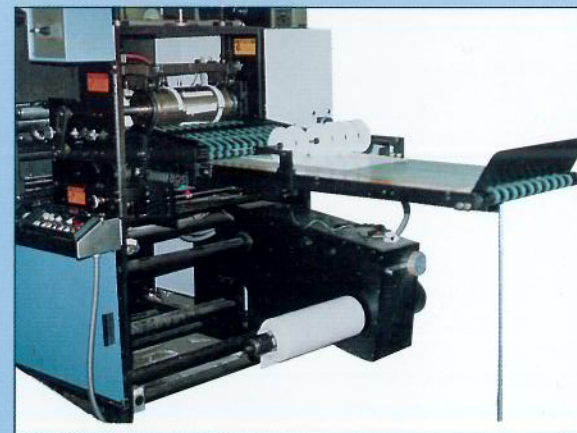
The **BDS Metered Infeed System** is permanently mounted to the infeed end of the press. The BDS system is a fully driven system, taking its drive from the line shaft of the press. Driving through two variable transmissions, the BDS system can accurately vary the length of the web being fed into the press from 85% to 104% depending on the substrate. When set the unit will accurately feed the web into the press giving accurate and consistent web length and tension control regardless of press speed.

The adjustment of the unit is through push buttons on the front of the unit. A digital read-out provides accurate resetability.

Specifications:

Units available from	6.50" to 20.00" wide	165mm to 508mm
Minimum web width	2.00"	50mm
Minimum adjustment range	85% of press speed	
Maximum adjustment range	104% of press speed	
Power requirements	115 Volts AC 60 hz.	

SHINGLE STACKER



BDS Sheeter Stackers are available in shingle or vertical stack format. Shingle stackers have optional counting systems to count and separate stacks on the conveyor.

Vertical stack units include an accurate counting system and deliver product stacked vertically. Optional board inserters are available.

Specifications:

Gearing	1/8" or 32 DP.	
Maximum web width	up to 20.00" wide.	508mm
Maximum sheet length	18.00"	458mm
Stack height (vertical only)	4.00"	102mm