

# BAUM 20

## with Pile or Continuous Feed



# BAUM

**FOLDERS • CUTTERS • DRILLS • FINISHING • GENUINE PARTS**

**The Baum 20 paper folder is undoubtedly the best folding machine ever built in America. From the impressive appearance to the multitude of enhanced and improved features, the Baum 20 folder promises to boost your bindery's productivity and give you years of trouble-free operation.**

### **Baum 20 Features**

- NEW Baum ifold tutorial standard
- NEW BaumQuick paperless roller gapsets
- NEW built-in batch counter with NEW variable batch
- NEW mobile delivery stacker with longer collection length
- NEW touch screen control panel with color pictographs
- NEW micro-adjustment on fold plates
- Built-in total counter
- Diagnostic message display
- AC inverter drive
- 1-1/8" diameter, removable, heavy-duty slitter shafts
- Quiet, positive helical-gear drive
- Open-access feed table
- Non-contact pile height sensor
- Dual front blow bars



**Baum 20 Pile w/8 & 16-Page Right-Angle Units**



**Baum 20 Continuous w/8 & 16-Page Right-Angle Units**



**Baum 20 w/Right-Angle in Tandem**



**Baum 20 Right Angle Rollaway Unit**



**Baum 20 INF Inline Folder**

# Folding Enhancements Add Versatility & Profitability

## BAUM 20 Optional Folding Enhancements

### Fold Plate Options:

- Gatefold Attachment
- #4 Fold plate

### Counting Options:

- Exit Count Batch Kicker
- Exit Sheet Count Sensor

### Gluing Capability Options:

- Segmented Folding Rollers
- Segmented Fold Plate Intake Noses
- Register Modification Kits

### Delivery Options:

- Two-tiered Mobile Delivery Stacker
- Two-up Production Kit

### Pile Feeder Options:

- Side Blow Kit
- Extension Kit for 36 inch long sheet

### Scoring/Slitting/Perforating Options:

- Extra Slitter Shaft Cartridge Assembly
- Perf/Slit/Perf Device
- Slitting Kits - center and gutter trims
- Edge Slitting Kits
- Super Slit Kit
- Perforating Kits
- Microperf Kits

### Miscellaneous Options:

- Marble Controller
- Sound Covers
- Stream Separator Table
- MILT20 and MIRT20

### Electrical Enhancement Options

- Jam Detector
- Remote Control
- Independent Power Boxes
- Static Reducer

### Sound Covers



### Static Reducer



### Two-Tiered Mobile Stacker



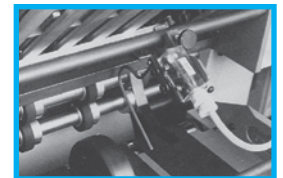
### Exit Kicker



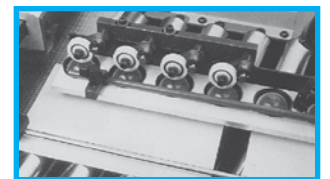
### MILT20 and MIRT20 Independent LH & RH Mobile Transfer Conveyors



### Remote Control



### Jam Detector



### Marble Controller



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# BAUM 20 FOLDERS

## with Pile or Continuous Feeders

### BAUM 20-PFF44

#### Floor-Model Folder with Pile Feeder

shown with 2nd station right angle  
and optional sound covers



### BAUM 20-CFF444 Floor-Model Folder with Continuous Feeder

shown with 2nd & 3rd station right angles  
and optional sound covers





## BaumQuick Roller Settings

**Exclusive**, fast and accurate setup of folding roller pressure using the BaumQuick **paperless** gapsets. The operator can simply refer to the recommended settings for the fold selected in the Baum iFold tutorial interface. Simply turn the knob to the required setting and the setup is complete. **No more tearing strips of paper!**

## Combination Fold Rolls

The finest folding rollers available combine the precision of knurled steel with the durability of urethane, providing control of slippery coated or heavily-inked stocks. 100% of urethane band against 100% steel knurl on adjacent folding rollers insures a smooth, flat, sheet drive through the roller bank.



## Slitter Shafts

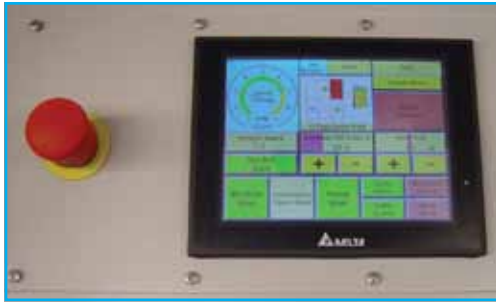
Heavy-duty 1-1/8 inch (2.86cm) diameter slitter shafts are ground and polished high grade steel for precision slitting, scoring and perforating. Both slitter shafts can be removed as a cartridge set to enable other slitter shaft assemblies that are pre-set with tooling to quickly be installed for other jobs. The exclusive adjustable slitter shaft design places micrometer adjustment at the slitter shafts to compensate for various stock thicknesses and prevent bounce in the shafts.



## Fabricated Fold Plates

Heavy-duty precision fabricated fold plates allow the paper to travel securely and consistently through the folder for smooth and fast operation. The fold plates include both macro and micro adjustment to enable minimal length changes. Also included are scaled inch belts and metric digital readouts on each fold plate. The upper fold plates are swing plates and the lower positions are combination plates.





## Built for Safety

- Full operator safety guarding including fold roll nip guards
- Electrical overload protection
- Disengaging safety handwheel doesn't rotate while running

## State-of-the-Art Controls

The Baum 20 Operator Control Panel provides several exclusive and innovative features that improve productivity including:

**Touch Screen Control Panel:** HMI (Human Machine Interface) 7-inch diagonal touch screen control with color pictographs that provide easy access to multiple machine functions and monitoring.

**Variable Batch Function:** This is a new exclusive feature from Baum that allows variable batches in the batch. This is great for jobs where each postal code needs different amounts of folded sheets.

**Simple Batch Functions:** Utilizes a pause in the vacuum to create a gap between batches or you can enter a number for the batch and the folder stops when the batch is completed and the operator starts the folder for the next batch. Counting can be selected to be up or down.

**Total Count Functions:** Includes total sheet count with a resettable counter, total lifetime sheet count, total hours per job count, and total hours lifetime count. Optional exit count sensor can be added to further confirm sheet count.

**Shingle Integrity Control:** If a jam occurs, the downstream folders clear out and the delivery stacker collects these sheets but stops to wait for the folder to restart and continue the shingle stream without large gaps due to unplanned interruptions.

**Digital Sheet Gap Control:** The gap between sheets is selected on the touch screen control and is maintained by the precision PLC control program.

## Baum ifold Tutorial Standard:

This unique and exclusive feature was optional on previous series Baum folders and is now included standard.

ifold offers numerous features including:

- Unlimited amount of jobs can be created with 30 pre-programmed folds.
- 80 job memory storage for recalling the most often used folds.
- Text and pictorial tutorial screens for most applications for setup, operation, maintenance and troubleshooting.
- Folder production job calculator.
- Inch/Metric numeric display selection.
- Standard inch, metric and custom paper-size selection.
- User-defined scheduled maintenance alerts.
- 24/7 folding information availability.
- And Much, Much More!



## Extended Mobile Delivery Stacker:

Baum provides the ease of mobility and a generous collection length with the new Baum 20 delivery stacker. The stacker includes a near effortless height-adjustment system that can easily adapt to 1st station parallel, 2nd station 8-page and 3rd station Baum 20 folders. The mobile design includes four rugged casters with two locking wheels.

## Automatic Lubrication

An automatic lubrication canister eliminates messy routine grease maintenance and guarantees smooth-running gears.

## Helical Gear Drive

The steel helical gears are coupled to the fold rolls providing solid reliability. A positive gear drive assures no slippage between fold rolls for more consistent folds.



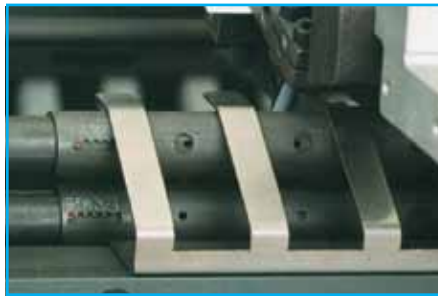
## Easy-Set Double Sheet Caliper

Quick and easy to adjust, the double sheet caliper saves the operator time and trouble. Simply insert the actual stock being run for correct adjustment on every job.



## Electronic Pile Height Sensor

The feeder features an electronic pile height sensor for better feeding consistency. The sensor is located closer to the sucker wheel for a more accurate reading, even with wavy sheets.



## Double Front Blow Bar

Baum has an exclusive blow bar design that uses two sets of blow tubes to provide better sheet separation and thus better feeding. The Baum design has two sets of tubes that slide over an inside tube. The Baum ifold tutorial instructs what setting to slide the top and bottom sets to the numbered notches to open the air holes needed for the sheet width being fed.



## Continuous Feeder

The Baum 20 Continuous Feeder features sturdy, solid-steel frame construction and an exclusive drive system with both forward and reverse direction for easier loading and unloading. Front and side air blow are standard to provide complete separation and floatation on all stocks. The low profile top board design makes loading easier, with less operator fatigue and a high loading capacity. Makeready time is reduced using the "Easy-Set" front blow bar and the unique leading-edge sheet sensing device.

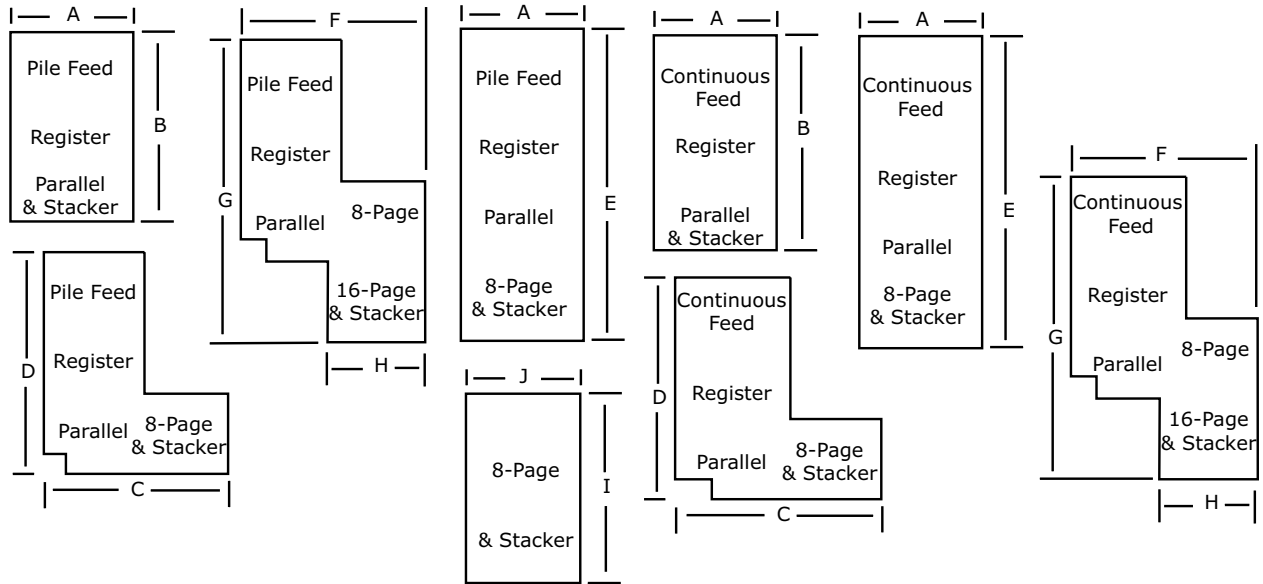


## Continuous Feeder Rear Drum

The exclusive rear drum design on the continuous feeder requires minimal adjustment for setup. It provides a large drum that can handle small and large sheet sizes. The spring-loaded bottom board automatically provides the proper pressure to sheets entering the bottom board to maintain consistent sheet shingling for maximum productivity.

# Baum 20 Folder Floor Layouts

Baum 20	A	B	C	D	E	F	G	H	I	J
<b>Pile</b>	45	112	99	115	165	100	174	40	93	39
<b>Continuous</b>	45	143	99	153	200	100	196	40	93	39



## Specifications - Baum 20 Continuous & Pile Feeders:

Baum 20	Continuous	Pile
Maximum Sheet Size .....	20.5x33" [52.1x83.9cm]	20.5"x33" [52.1x83.9cm]
Minimum Sheet Size .....	4x6" [10.2x15.3cm]	4x6" [10.2x15.3cm]
Fold Rolls Standard .....	Combination Poly/steel	Combination Poly/steel
Electrics Available.....	220/3/60 or 380-415/3/50	220/1/60, 220/3/50, 220/3/60 or 380-415/3/50
Pile Stack Height .....	--	25"
BaumQuick Roller Settings.....	Standard	Standard
Fold Plates.....	3 per section	3 per section
	4th fold pan optional	4th fold pan optional
Slitter Shaft Diameter .....	1-1/8" [2.86cm]	1-1/8" [2.86cm]
Speed .....	8200 ipm [208.3m/min]	8200 ipm [208.3m/min]
Fold Roll Drive.....	1 HP AC Inverter	1 HP AC Inverter
Shipping Weights:		
Pile/Parallel/Stacker - 1st station .....	--	2046 lbs. [928.1kg]
Continuous Feeder only .....	1770 lbs. [802.8kg]	--
Continuous/Parallel/Stacker - 1st station....	890 lbs. [403.8kg]	--
8-Page .....	890 lbs. [403.8kg]	890 lbs. [403.8kg]
16-Page .....	900 lbs. [408.2kg]	900 lbs. [408.2kg]

NOTE: Specifications subject to change without notice.

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