

# Baum 714XA Autofold



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# Baumfolder 714XA AutoFold

## The ultimate tabletop folder

BAUM continues the tradition of providing the most reliable and rugged tabletop folders in a compact and convenient design. The BAUM 714XA offers all of the rugged features of the popular manual setup BAUM 714XLT folder and then add automation and state of the art features to meet today's demanding needs along with modern styling.

The 714XA is designed to meet the needs of all printing and imaging folding applications with these key features:

- Feeds laser, offset and other digital printed stocks
- Air/vacuum feed system handles sensitive imaged stocks to prevent marking
- Requires less floor space than larger floor model folders but can handle a 14 x 20" nominal sheet and up to a 14 x 25.5" sheet
- Can fold paper sizes from 3 x 5" to 14 x 25.5" long
- Feed table extension that can handle longer sheet lengths, enabling tri-folding of 25.5" long sheets for brochures, etc.
- Six pre-programmed fold settings
- Programmable memory settings for 20 custom folds
- Batch counter that can count up or count down
- Variable batch data entry
- Total counter
- PLC touch screen control panel with pictographs and color display
- Static reduction devices
- Motorized delivery stacker with independent speed control for the drive
- Flip deflector, non-marking fold plate technology that produces accurate folds
- Sound covers are standard equipment
- Sealed ball bearings
- Diagnostic messages/fault detection
- Jam detection using input and output sensors
- One sheet test setup mode
- Multiple languages to select for display: English, Spanish, French, German
- Units of measurement display in metric or inches



### **Unique Air Blast Control**

has one common manifold with all adjustments for vacuum and air settings. Baum includes the capability to regulate the air flow to allow second pass folding and better sheet separation control from light to heavy stocks.



### **True "Automatic Fold Roller Tensioning"**

The novel Baum fold roller housing design automatically compensates mechanically for different stock thicknesses without the need to insert strips of paper during setup. The results are reduced setup time and longer fold roller life.



### **Solid Urethane Folding Rollers**

The fold roller is the heart of any paper folding machine. The BAUM 714XA provides the highest quality and design for the wide variety of folding applications in the markets. The solid urethane fold roller has a unique compound that includes toner resistance to make cleaning easier of digital printed stocks and static dissipative compound to help reduce static build up. Solid urethane folding rollers also resist marking issues found in sensitive digital imaging.

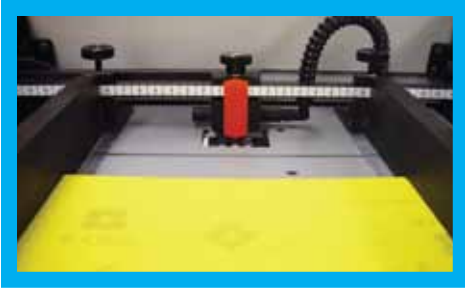
### **Gear-Driven Fold Rollers**

Just like the popular floor model Baum folders, the 714XA has precision, quiet, gearing without the need for lubrication. Consistent tight folds are produced with gear-driven fold rollers versus soft folds from belt-driven machines.

### **Extra capacity feed table**

Includes an exclusive retractable extension that can handle longer sheet lengths than other tabletop folders enabling tri-folding of 25.5" long sheets for brochures, etc. The Baum 714XA feed table also has the superior Baum rack and pinion side guide design that compensates for stocks that are not cut square. The operator can skew the guides and return back to the factory square setting easily.





### **Turbo Wheel Feeding Technology**

is standard on the 714XA AutoFold. This latest feeding technology from Baum provides quiet consistent feeding using a rotating, maintenance free, vacuum wheel. The bottom feed system allows for continuous loading without stopping the folder to reload the feeder. The easy set caliper makes set up a breeze.

### **Motorized And Extended Delivery Stacker**

An independent speed control for the drive motor allows for better sheet control exiting the folder. The operator has more control on shingling speed to reduce nesting of heavy folded sheets and better control of lighter and short folded sheets. The belts can also be run at high speed to use the same table as a transfer table to transport sheets to a Baum right angle folder or a tabbing machine and more.

Extended length delivery stacker provides longer collection capacity combined with independent speed control adjustment for tighter shingling. This makes removal of sheets less demanding. The movable belt design allows for repositioning of the belts for right angle, second pass folding.



### **Heavy-Duty Fold Plates**

Baum has developed the Flip Deflector, non-marking fold plate technology that produces accurate, crisp folds from a straight square paper stop without having open edges. The Baum design utilizes this new technology to prevent marking on all types of printing and imaging. Manual bias/skew adjustment is provided at the paper stop on the fold plate.



### **Convenient Operator Control Panel**

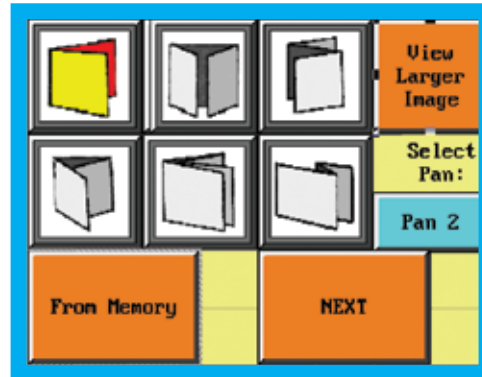
Baum innovation uses a PLC touch screen control panel with color display and pictographs. The design also includes audible signals when pressing selections. Folder speed control is an easy adjustment using a simple rotating knob with numerical indicator.

# AutoFold tabletop from Baum

## 6 Pre-Programmed Folds

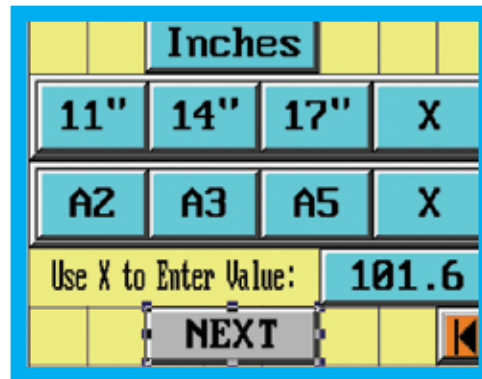
Selection of a standard pre-programmed fold is easy with a simple touch using the desired pictograph on the PLC touch screen control panel. You can even enlarge the image to see more detail on the selected fold imposition.

20 Programmable custom folds can be stored in memory to be recalled for later use or reprogrammed for another job.



## Standard Paper Size Selections

are provided and the ability to enter non-standard sizes using the PLC touch screen control. Both inches and metric paper sizes are available for selection and the ability to enter inches or metric lengths for non-standard sizes.

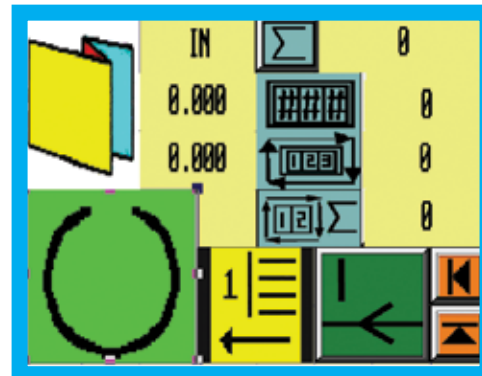


## Easy to Use Main Menu Screen

The touch screen PLC shows the main functions of the folder including the fold type imposition selected, both batch and total counter information, production rate display and more.

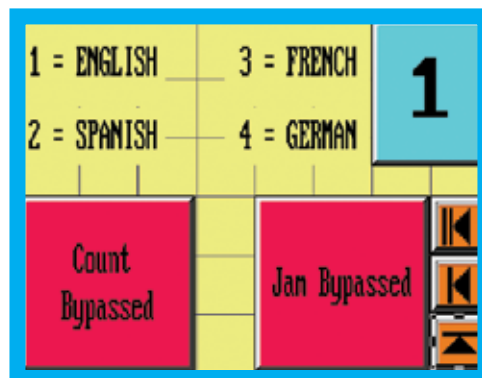
## One Sheet Test Mode

The touch screen control also has the selection of one single sheet to reduce waste on setup for check sheets. Continuous folding can be started using the continuous feeding mode button.



## Multiple Languages

A simple selection on the touch screen can change the language to one of the available selections.



# Baum 714XA AutoFold Accessories

## Dust Cover:

The dust cover protects your machine from paper dust and other environmental factors.



## Perf, Score & Slit Kits



Perf kit [for standard fixed slitter shaft]	52328	[12T & 41T]
6-tooth blade _____	07618	
12-tooth blade _____	06605	
15-tooth blade _____	07895	
18-tooth blade _____	07896	
20-tooth blade _____	29629	
24-tooth blade _____	07619	
31-tooth blade _____	06798	
41-tooth blade _____	07791	
64-tooth blade _____	11962	
Slitting kit [no bleed]	53288	
3/32" Countersunk [flat side]	06378	
3/32" Countersunk [bevel side]	06804	
Score kit, rubber tire	52327	
Score blade, light	06379	
Score blade, heavy	06380	
Score blade, extra thin	263-852-01-00	
Adjustable Scoring Assy	S267-309-BG-01	

## Mobile Cart:

This cart is strong, durable, and makes the 714XA mobile. It features convenient access underneath for the pump.

## Baum 8-page Units

The Baum 714XLT "Flow-Thru" Right Angle Unit is the perfect companion to your Baum 714XA Autofold Tabletop Folder. It can be configured for either right-angle folding or in tandem for multiple parallel folds.

An innovative pivoting idler roll design eliminates gap setting requirements. Easy-access slitter shafts allow changing attachments without removing the shafts.

The 714XLT Right Angle features more effective stack removal for higher productivity, new positive drive cross-carrier design, and "up & down" folding position capability.

**714XA Autofold with 714XLT 8-Page, right-angle**

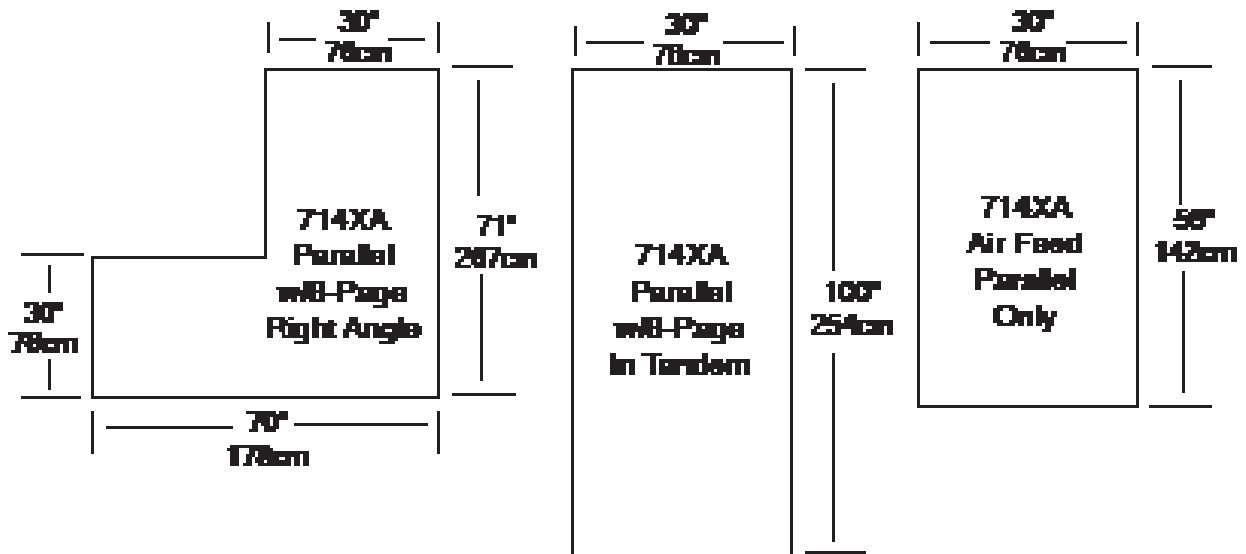


**714XA Autofold with Flexifold 8-page, right-angle**



**714XA Autofold with 714XLT 8-Page, in tandem**

## 714XA Floor Plans



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### Quiet Air/Vacuum Pump Design

The 714XA AutoFold utilizes one pump, specially designed to provide both air and vacuum. One pump reduces maintenance time and cost.

### Space and Energy-Saving Design

The operator can load the feed table and unload the folded sheets on the same end of the folder. This saves valuable space and helps eliminate operator fatigue.

### Sound Covers

A quieter operating environment is provided by the 714XA AutoFold with the stylish sound covers that are standard on the folder.



### Heavy-Duty Slitter Shaft Design

Solid 7/8 inch diameter steel shafts provide scoring, perforating and slitting capability. It is designed for easy removal and installation.

## 714XA Autofold Specifications:

Maximum folder speed ..... 6000"/min (152.4m/min)  
Maximum sheet size (LxW) ..... 14" x 25.5" (35.5 x 64.7cm)  
Minimum sheet size (LxW) ..... 3" x 5" (7.6 x 12.7cm)  
Maximum size fold – #1 or #2 plate..... 13.5" (34.3cm)  
Minimum size fold..... 2" (5cm)  
Minimum paper weight..... 16# bond (60g/m<sup>2</sup>)  
Maximum paper weight ..... 75# cover (203g/m<sup>2</sup>)  
Feeder pile height (bottom feed) ..... 2" (5cm)  
Fold roll diameter ..... 1.5" (3.8cm)  
Slitter shaft diameter ..... 7/8" (2.2cm)  
Fold roll material ..... Polyurethane  
Number of fold plates.....2  
Jam detection ..... yes  
Diagnostic messages..... yes  
Slitter shaft ..... fixed  
Pullout tire type..... laser

## Electrical Information:

Operating voltage..... 110/1/60 or 220/1/50  
Power consumption ..... 110/1/60 = 2400 watts/20 operating amps  
..... 220/1/50 = 2200 watts/10 operating amps  
Note: 110/1/60 electrical version requires mating NEMA 5-20R receptacle

## Dimensions & Weights:

Overall machine dimensions:  
Without mobile cart ..... 56"L x 30" W x 32" H  
With mobile cart..... 56"L x 30" W x 54" H  
  
Net weight without cart ..... 400 lbs (182kg)  
Net weight with cart..... 450 lbs (204kg)  
Note: Specifications are subject to change without notice.

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