

Folding the easy way. Folding, as a manufacturing process, requires a high degree of reliability at high production speeds in order to keep your business profitable. Speed can also mean the speed of makereadies, which is especially crucial for short runs. Fast set-up features such as Zero Makeready Buckle Plates with paper stop fine adjustments can mean the difference between minutes and seconds on any given makeready.



The Stahlfolder USA B 20 is the perfect folder for short run jobs that need to be done quickly yet efficiently.

Reliability means consistent feeding and the ability to hold true register. The automatic pile feeder of the USA B 20 and side guide enables you to hold register every time.

Quality is a given. High quality manufacturing and engineering translates into high quality for your folded products.

With unique quality features such as high grip fold rollers on your Stahlfolder USA B 20, you will have no concerns regarding the fold quality. Products are folded mark-free and with high precision for straight folds, perforations and scores.

The standard helical gear drive will hold traction on any fold and will not allow the stock to slip or skew in the fold head. The result of heavy-duty construction is a quality result you can count on.

Heavy-duty construction for delicate results. Solid side frames and sealed bearings add stability and provide the solid platform for life long performance. The USA B 20 can handle folds of thin or thick stock, simple or complicated folds, creating the precision that you want on your new folder now and down the road.

Specifications for the Stahlfolder USA B 20

	Feeder	Folding Units		
		Flat Pile	1 st Station	2 nd Station
Sheet size max. (W x L)		20 x 33" 51 x 84 cm	20 x 20" 51 x 51 cm	20 x 16.5" 51 x 42 cm
Sheet size min. (W x L)		4 x 6" 10 x 15.5 cm	4 x 6" 10 x 15.5 cm	4.75 x 1.5" 12 x 3.8 cm
Buckle plate with swing deflectors		4,6	4,6	4
Min. fold length		1.5" 3.8 cm	1.5" 3.8 cm	1.5" 3.8 cm
Folding speed max.	8,000 ipm 200 m/min			
Pile height (flat pile feeder)	27.5" 70 cm			
Power consumption	25 amp			

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Stahlfolder USA B 20

HEIDELBERG

The ideal folder for turning short runs around quickly, efficiently, and with high quality results. The essence of productivity and flexibility in an affordable package.



Stahlfolder USA B 20 stands out in its class with a host of standard features for efficient folding and provides an expandable platform for finishing applications.



Fast changeover. All Stahlfolder USA B 20 folders feature Zero Makeready Buckle Plates in all folding stations and positions. It takes seconds to convert from buckle plate to deflector function, and the plates do not need to be lifted or lowered. The controls are always on the operators' side, which makes it easy to access and change the settings.

Fine adjustments can be done without having to open the paper stops again, and settings can be changed at any time during the run – another advantage of Heidelberg Zero Makeready Buckle Plates. Additionally, the buckle plate's Teflon-coated profiles minimize friction, which reduces wear and static build-up.

i-fold brings you into the fold. The multitude of folding applications and settings can be a challenge, especially for the novice folder operator. Create ease and simplicity in your shop with i-fold, which guides your operator step-by-step through the set-up process with clear instructions about setting and adjusting the Stahlfolder USA B 20.

Additionally, i-fold provides troubleshooting information on eliminating and fixing folding problems. Dog-ears can be eliminated, uneven folds can be adjusted, and roller pressure can be checked. i-fold is a fantastic start-up tool to bring your operators up to speed with quality results.

Drive. Many folding applications include stocks that range between thin Bible paper and heavy



Heidelberg's Zero Makeready Plates represent the highest quality buckle plates available in its class – with unmatched operator convenience and the quickest set-up times.

cover stock. You can rely on the helical gear drive of the Stahlfolder USA B 20 to provide absolute slip-free transport and true register. You will achieve quality results at high speeds.

The Stahlfolder USA B 20 fold roller settings are identical to larger Heidelberg folders. The gap-set technology is based on hardware that transfers the settings with extremely high accuracy.

DCT 500 control panel. All Stahlfolder USA B 20 folders are equipped with the state-of-the-art DCT 500 control system, which features make-ready functions that include self-learning modes and direct-access buttons. The control is centrally located at the register table.

A single, "easy-set button" with self-learning functions measures sheet size and sets suction length and gap distance automatically. The control also features integrated batching and total counting functions that are monitored on a large data display.

High Grip fold rollers. All commercial Stahlfolders are built with high-grip fold rollers, which are made of steel with soft polyurethane rings. The polyurethane sections overlap the thinner steel sections; the combination of both materials provides mark-free production and superior traction at high speeds.

Stahlfolder USA B 20 is the only folder in its class to provide superior folding technology to the market.

Easy to feed, easy to fold. The automatic feeder advance and patented front blower bar system help the Stahlfolder USA B 20 perform reliably at high speeds.



Gate folding. The gatefold plate on the USA B 20 is pneumatically operated, which allows for high speed and accuracy. The standard ACC 2.4 controller offers two channels and can also be utilized to drive other finishing operations, such as glue heads.

Gluing. Various hot melt and/or cold glue applications can be incorporated to produce finished products such as ready-to-mail pieces.

Channel Score. Cover stocks have a tendency to crack in the fold if not scored prior to folding. The Channel Score device on the Stahlfolder USA B 20 prepares the stock to minimize if not completely eliminate cracking.

The Channel Score device has been proven to be an outstanding accessory for high quality folded pieces.

The Stahlfolder USA B 20 is more than a folder – it can also be a finisher.

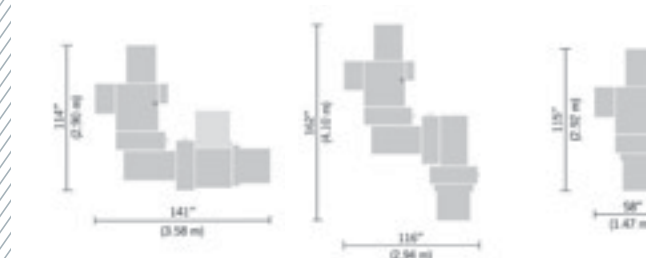


The Channel Score device on the Stahlfolder USA B 20 minimizes cracking along the spine of cover stocks.

Options for Stahlfolder USA B 20:

- Marble controllers
- Pneumatic gatefold attachment, includes ACC 2.4 controller
- Remote control
- Grand display
- Noise hoods
- Jam detector
- Gluing applications
- Trimming and scoring applications
- Double stream production
- Mobile knife unit
- Presser stackers
- In-line folder configurations

Technical Specifications



*Electrical connection
Not to scale
Dimension inches
(metric)
Measurements were transferred from metrics to inches and rounded off.

Folding Samples

