

# Precision and efficiency thanks to high-performance technology.



FOLDING MACHINE | STARFOLD



PROFESSIONALS WORK WITH STAHL

**STAHL**  
WÄSCHEREIMASCHINEN

# First-class technology – innovative STAHL feeding and folding machines for efficient and precise feeding, folding, sorting and stacking of your textiles.



**Innovative technology, creating excitement** – our feeding and folding machines are equipped with a low-stress drive technology, emergency stop functions and the standardised microprocessor control **FREEpro**. The ironing line, consisting of SERVANT high-performance ironer folding technology, is controlled via the same machine intelligence centre.



**SERVANT universal feeding machine**

[Page 4–5](#)

The SERVANT automatic laundry feeder improves performance output with consistent quality on your ironing line. The SERVANT is available with a vacuum table or as a production device with 1–4 feeding stations.



**DOMESTIC folding machine for flat laundry**

[Page 6–7](#)

Our DOMESTIC folding machine is an entry model in the professional folding machine technology for flat laundry. It is available as a 1- to 4-lane folding machine.



**STARFOLD folding machine for flat laundry**

[Page 8–9](#)

The STARFOLD folding machine is perfect for high-performance needs. The basic version is able to complete longitudinal and transverse folding and can be customised to your individual company needs.



**KOMBIFOLD terry cloth folding machine**

[Page 10–11](#)

The KOMBIFOLD terry cloth folding machine is professional folding technology for your terry cloth laundry. The folding machine guarantees precise folding, sorting and stacking.



**Excellent technology – the standardised microprocessor control FREEpro**

All machines are equipped with the microprocessor control **FREEpro**. All functions are centrally controlled. The design ensures clarity and ease of operation. You can also save repeat processes here, monitor various display values and map features.

# SERVANT

## SERVANT universal automatic feeder

Our SERVANT automatic laundry feeder can help you improve your performance output by increasing the laundry feed speed. With up to 4 feeding stations our universal automatic feeder SERVANT is able to optimise the utilisation of your ironing line.

**You save time** – the time-consuming feeding-in process is shortened, since the textiles from up to four persons can be fed in one directly after another at a high speed.

**You save on staff** – large laundry items can be fed in by a single person using the clamping device.



SERVANT with 4 feeding stations

- Up to 4 feeding stations
- Single lane
- Double lane
- Optimum ironer utilisation
- High productivity at a constant feed-in quality

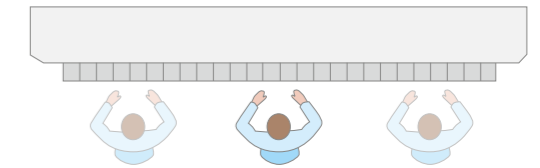


Excellent technology – the standardised microprocessor control **FREEpro**

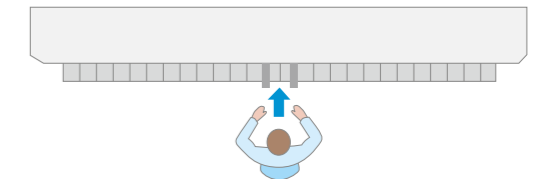
## Optimum ironer utilisation

Textiles are fed in at high speeds with the aid of up to 4 feeding stations

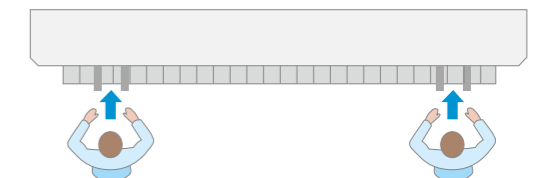
Without feeding station



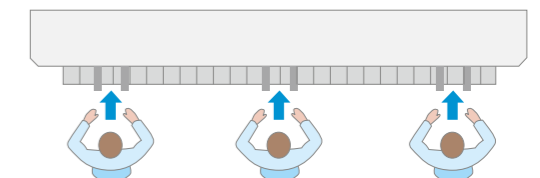
One feeding station



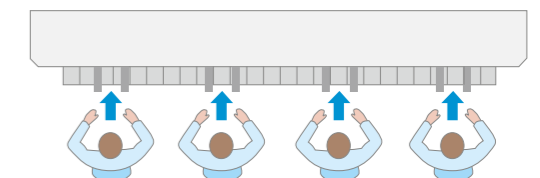
Two feeding station



Three feeding station



Four feeding station



SERVANT								
Working width without feeding station	mm	1750	2100	2500	2700	3000	3300	3500
Working width with feeding station	mm	-	-	-	2700	3000	3300	3500
Working width with more than one feeding station	mm	-	-	-	-	3000	3300	3500

Other working width upon request.  
We reserve the right to make technical changes, errors excepted. Illustrations may contain special fittings.

# DOMESTIC

## DOMESTIC folding machine for flat laundry

The longitudinal folding machine DOMESTIC – your powerful and efficient partner for quick and exact longitudinal folding of your ironing laundry.



### Gentle folding of your textiles

- Precise folding
- Longitudinal folding is done with a dynamic air jet
- Gentle on your laundry
- Low-maintenance
- Automatic line coupling

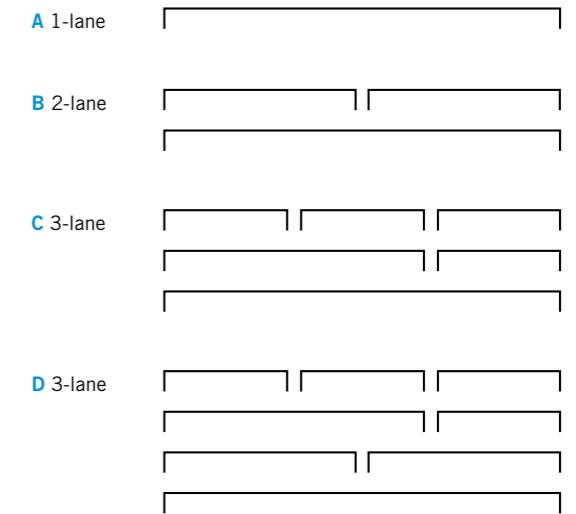
### Microprocessor control *FREEpro* for more operator convenience

All functions are controlled centrally using the *FREEpro* microprocessor control. The design ensures clarity and ease of operation. You can also save repeat processes here, monitor various display values and map features.

### Folding on up to three lanes

DOMESTIC enables you to work simultaneously on up to three lanes alongside each other with various types of laundry and folding operations. What's more, the lanes can be automatically interlinked so that you then have the entire working width available for one laundry item.

#### Lane designations for longitudinal folding:



#### Longitudinal folding patterns options



### Automatic selection of the longitudinal folding option

Photocells are applied to constantly measure the position of the laundry items. The individual item length is calculated, and your laundry is folded accordingly. You have the option of having either one or two longitudinal foldings, or none. If you do not decide on any particular folding pattern, the laundry item may either be led through the DOMESTIC unfolded, or may be deposited on the machine's folding table in the shortest time possible. This is the correct setting for table napkins or also cleaning or wash cloths.

DOMESTIC								
Working widths	mm	1750	2100	2500	2700	3000	3300	3500
Overall width	mm	Working width + 420 mm						
Height	mm	1400–1700 mm according to ironer type						
Depth with folding table	mm	ca. 1700 mm with standard conveyor ca. 2380 mm with long conveyor						

Other working width upon request.  
We reserve the right to make technical changes, errors excepted. Illustrations may contain special fittings.

# STARFOLD

## STARFOLD folding machine

The STARFOLD folding machine is a powerful and efficient partner for the daily tasks in your laundry facility, where large amounts of laundry have to be processed quickly and precisely.

## Custom folding

Photocells are applied to constantly measure the position of the laundry items. The individual item length is calculated, and your laundry is folded accordingly. You may select from different folding patterns.

## Gentle folding of your textiles

- Longitudinal folding is done with a dynamic air jet
- Precise folding
- Gentle on your laundry
- Low-maintenance

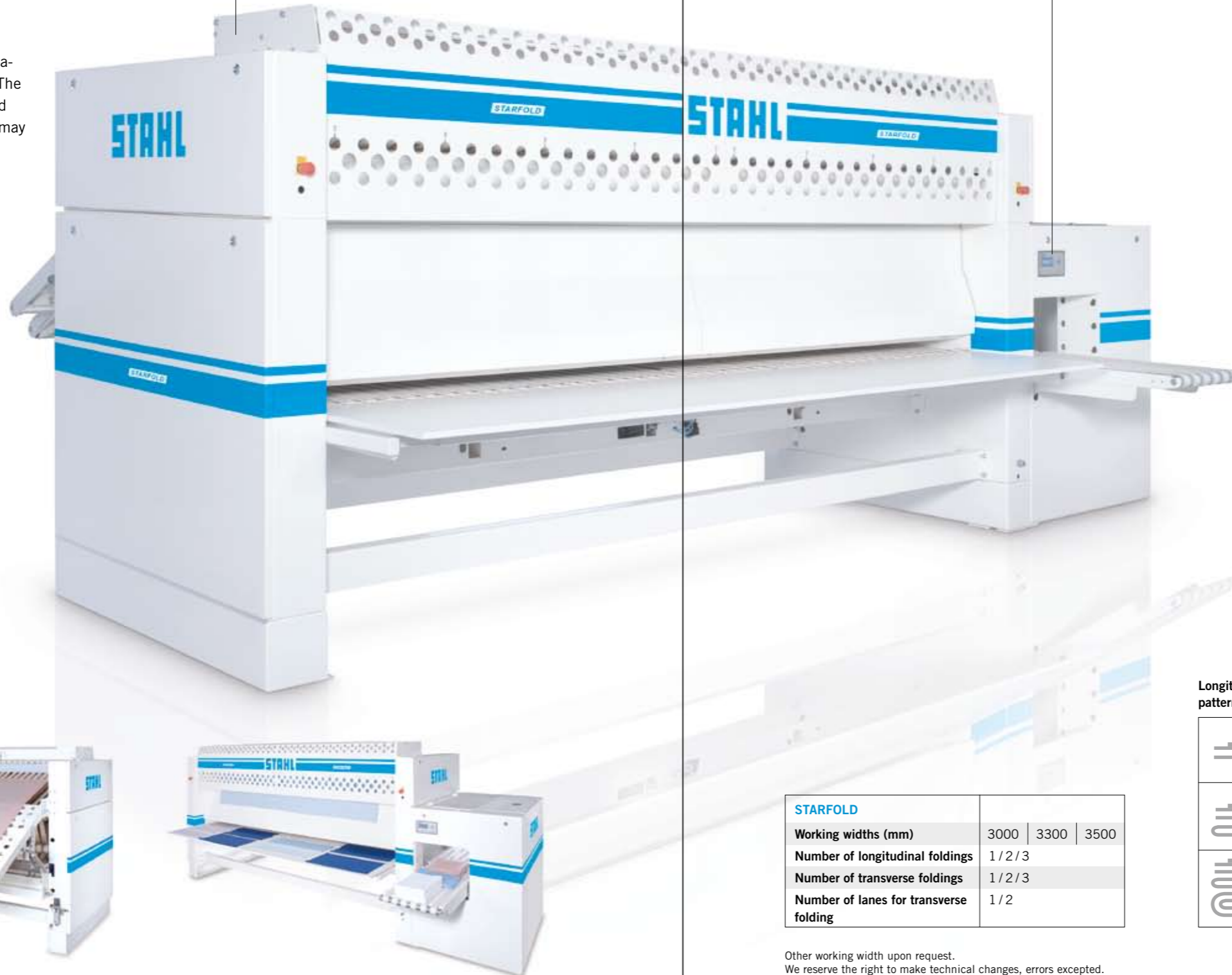
## Transverse folding:

- The first transverse folding is done across a blade
- Second and third transverse foldings will be done with reverse folding
- Usable width for transverse folding 900 mm

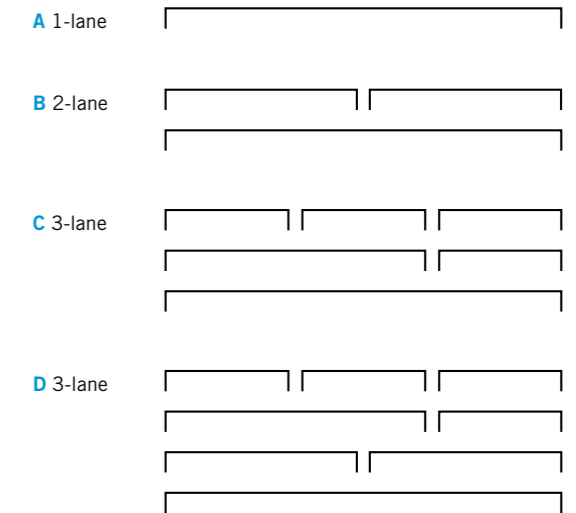
## Typical characteristics

- Low-maintenance driver concept
- Automatic speed adaptation at the ironer
- High folding accuracy
- Anti-static module

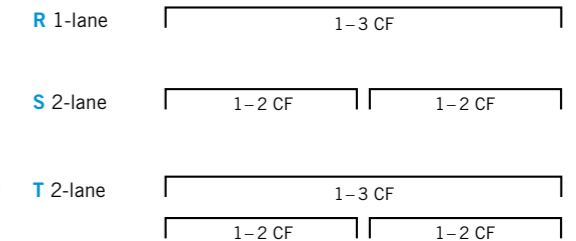
Excellent technology – our standardised microprocessor control **FREEpro**



## Lane designation for longitudinal folding (LF):

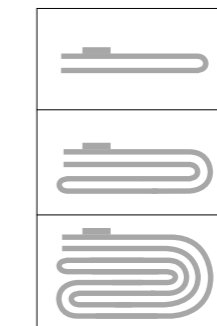


## Lane designation for transverse folding/cross folding (CF):

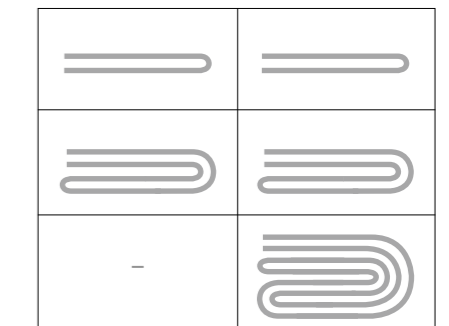


Combinations:	
LF	CF
A +	R
B +	S
B +	R
C +	T
D +	R
D +	S
D +	T

## Longitudinal folding pattern options



## Transverse folding pattern options



STARFOLD			
Working widths (mm)	3000	3300	3500
Number of longitudinal foldings	1 / 2 / 3		
Number of transverse foldings	1 / 2 / 3		
Number of lanes for transverse folding	1 / 2		

Other working width upon request.  
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Illustrations may contain special fittings.

# KOMBIFOLD

## KOMBIFOLD terry cloth folding machine

Precise folding, sorting and stacking of your terry cloth towels and dry laundry. If you have large amounts of terry cloth laundry to fold, the KOMBIFOLD is the right investment for you.

### Your advantages:

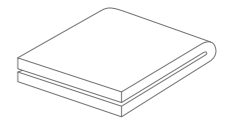
- Quick and uniform folding
- Automatic sorting
- Automatic laundry recognition
- Reduction in personnel costs
- High level of operating convenience
- STAHL patent

The standardised microprocessor control **FREEpro** for increased operating convenience

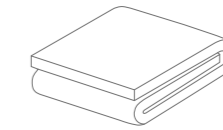
## High performance and efficiency

The KOMBIFOLD is able to process up to 1800 pieces per hour and is suitable for many types of laundry. In addition to terry cloth pieces, you can also fold aprons, smocks, T-shirts, fitted sheets, covers and underwear.

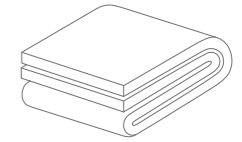
## KOMBIFOLD – folding patterns



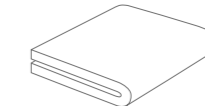
LF: By-Pass  
CF: Halving folding



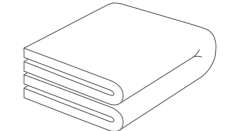
LF: By-Pass  
CF: One third folding



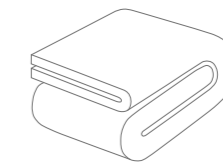
LF: By-Pass  
CF: One fourth folding



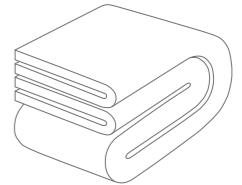
LF: Halving folding  
CF: By-Pass



LF: Halving folding  
CF: Halving folding



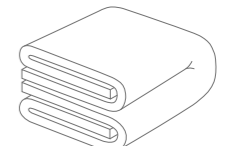
LF: Halving folding  
CF: One third folding



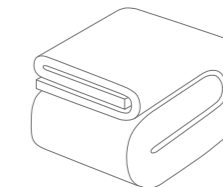
LF: Halving folding  
CF: One fourth folding



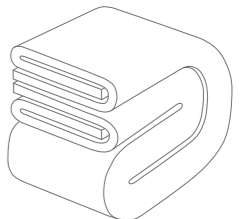
LF: French folding  
CF: By-Pass



LF: French folding  
CF: Halving folding



LF: French folding  
CF: One third folding



LF: French folding  
CF: One fourth folding



KOMBIFOLD	
Processable types of laundry	Terry cloths towels, aprons, smocks, T-shirts, fitted sheets, underwear ...
Folding stations	3
Speed	Up to 1800 pieces per hour, depending on the type of laundry
Power connection	400V / 3 / 50Hz / N / PE, 16 A, 1,5 kW
Compressed air connection	20 Nm³/1000 pieces, 6–10 bar, 1/2" diameter
Width / depth / height	2045 / 4646 / 1350 mm
Maximum size for laundry items	1800 x 1150 mm

Other working width upon request.  
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## Removal lane

When the stack quantity has been reached, the items are moved out to the side of the machine and deposited on the removal lane.

- Can be fitted to the left or right-hand side
- Can be transported in the direction of the operator or in the opposite direction as well



For four generations the name STAHL has been a synonym for innovative technology, reliable after sales service and value.

**Full-range systems provider STAHL:**

Stahl has been producing exclusively commercial laundry machines as a high-performance and competent family-run business in Germany since 1909 and as a system supplier is able to offer you economically mature and innovative products:

- > **Washing machines** for quick and efficient laundry care up to 110 kg
- > **Pass-through washing machines DIVIMAT** for your needs up to 200 kg
- > **Tumble dryers** with the most modern technology available for energy-saving drying up to 100 kg
- > **High-performance ironers** are the perfect laundry finish for any need
- > **Disinfection sluices**



**Washing machine  
ATOLL**  
5.5–110 kg



**Pass-through  
washing machine  
D-Y 1600**  
14–200 kg



**Tumble dryers  
T 256**  
8–100 kg



**Flatwork ironer  
MASTER 1610**  
210–2010 mm  
Roller diameter



**Folding machine  
KOMBIFOLD**  
for terry cloth towelling  
and dry laundry

Made in Germany

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