Features

- Graphical user interface for intuitive operation.
- Fully-automated setup increases efficiency and quality.
- Modifiable concept increases folding capabilities.
- Advanced and diverse print technology requires total optimization in the printing process.
- The folder is easy and intuitive to set-up even without a skilled operator, thanks to the intelligent automation and user-friendly design.
- This folder is designed with Horizon's "i2i System" which boosts the finishing quality with advanced automation, bringing dramatic improvements in productivity and efficiency to the finishing process.

AF-566T4F Major Specifications

- Art/Coated Paper: 50 to 232 gsm
- Normal Paper: 35 to 209 gsm
- Max. 740 mm (29.1") [within 250 kg (551.3 lb)]
- Belt Speed: 30 to 240 m (32 to 261 yd./min.)
- Motor: 0.75 kW x 1, 0.2 kW x 1, 25 W x 1, 0.4 kW x 1, 2.2 kW x 1 (Pump)
- Power Consumption: 1.8 / 2.2 kW (50 / 60 Hz)
- Three Scoring Wheels (Diameter 51.5 mm) (Two installed, One accessory)
- Three Deflectors
- Four Buckles
- Maximum Pile Height: 240 mm (9.45")
- Machine Dimensions: 4,630(W) x 1,050(D) x 1,600(H) mm (182.3" x 41.4" x 63.0")
- Sheet Weight Range: 50 to 232 gsm
- Heat Output: 3,220 kJ (890 kcal)
- Blower: 4,630(W) x 2,050(D) mm (226.0" x 80.8")
- Power Consumption: 1.5 kW x 1, 0.4 kW x 1, 60 W x 1 (Pump)
- Maximum Stacking Height: 1,600 mm (63")
- Vacuum Pump: 61 kg (134.5 lb), Transformer: 70 kg (154.3 lb), 743 kg (1,638.3 lb), 5,740(W) x 2,050(D) mm (226.0" x 80.8")
- Sheet Weight Range: 50 to 232 gsm
- Perforation: Cut 2.5 mm (0.10"), Blank 0.8 mm (0.03") (All options)
- Slit Perforation: Cut 0.6 mm (0.024"), Blank 0.8 mm (0.03") (All options)
- Maximum Pinch Gap: 30 to 450 mm (1.180" to 17.720")
- Buckle Fold Length: 30 to 240 m (32 to 261 yd.)/min.
Features

Graphical user interface for intuitive operation

Fully-automated setup increases efficiency and quality

Flexible modular concept increases folding capabilities

JDF workflow compatibility

The folder is easy and intuitive to set-up, even without a skilled operator, thanks to the intelligent automation and user-friendly design.

This folder is designed with Horizon’s “Horizon” concept which leads the finishing market with advanced automation, bringing dramatic improvements in productivity and efficiency to the bindery.

Modular concept allows for flexible configuration and handles simple to complex fold patterns, including on the 4-station and 1-station. This is a folder that can be customized as needed.

Modular fully-automated folding machine. 6+4-buckle modular concept allows for a variety of fold patterns to cover many applications.

Horizon

Buckle Folder AF-566T4F

6+4-buckle modular concept allows for a variety of fold patterns to cover many applications.

Modular concept allows for flexible configuration and handles simple to complex fold patterns, including on the 4-station and 1-station. This is a folder that can be customized as needed.

Horizon

Buckle Folder AF-566T4F

6+4-buckle modular concept allows for a variety of fold patterns to cover many applications.

Modular concept allows for flexible configuration and handles simple to complex fold patterns, including on the 4-station and 1-station. This is a folder that can be customized as needed.

Horizon

Buckle Folder AF-566T4F

6+4-buckle modular concept allows for a variety of fold patterns to cover many applications.

Modular concept allows for flexible configuration and handles simple to complex fold patterns, including on the 4-station and 1-station. This is a folder that can be customized as needed.

Horizon

Buckle Folder AF-566T4F

6+4-buckle modular concept allows for a variety of fold patterns to cover many applications.

Modular concept allows for flexible configuration and handles simple to complex fold patterns, including on the 4-station and 1-station. This is a folder that can be customized as needed.

Horizon

Buckle Folder AF-566T4F
Graphical user interface for intuitive operation

- Modular concept allows for flexible configuration and handles simple to complex fold patterns that maximize folding variations.
- Cross folding can be performed reliably and accurately.
- The graphical display makes roller gap adjustments easy and quick.
- The folder is easy and intuitive to set-up, even without a skilled operator, thanks to the intelligent automation and user-friendly design.
- All sections including the roller gaps are fully automated through the color touch-screen.
- Modular concept allows for flexible configuration and handles simple to complex fold patterns, including lettering and folding jobs.
- The folder can be set up in any orientation.
Short make-ready with fully-automated set-up including roller gap adjustment

**Double Counter**
Sensors come standard for superior scratching. The supersonic and speed feeding (42,000 sheets/hr.) without quality polyurethane rotor provides high feeding of a wide variety of sheets. According to a sheet's condition for stable the suction head can be adjusted pick-up. Blowing air volume and height of provides accurate sheet separation and innovative suction head and assist air adjustments and all other fine-adjustments.

**Feed Rotor**
Jobs that require accurate counting reliable counting mechanism helps with anti-static plating, for trouble-free operation. The side lay guide is coated with a special registration of a wide range of paper stocks.

**Side Lay Guide**
Newly-designed rigid side lay guide precision and quiet operation.

**Folding Rollers**
Rubber and steel rollers are employed for consistent folding and simple setup. The combination soft polyurethane foam accurately folds. Two configurations allow for a wide variety of fold patterns. Superior sheet aligning accuracy.

**Perforation / Scoring**
The MKU-54 is available as the flexibility. The knife unit can pivot 180 degrees second knife unit for 16-page folds. The MKU-54 is available as the.

**Buckle**
Gate fold buckle can be set up quickly, with no special skills for.

**Right Angle Conveyor**
The MkU-54 can be attached or detached to the folder.

**Press Stacker**
A remote control provides requirements.

**A Wide Range of Optional Units**
The front perforation unit is a factory option.

**Gluing Unit Controller**
Glue gun *The front perforation unit is a factory option.

**Perforation / Scoring**
Strip trimming in the parallel fold.

**Mobile Knife Fold Unit**
A WIDE RANGE OF OPTIONS: A WIDE RANGE OF OPTIONS:

**Buckle Stopper and Deflector**
Switching operation.

**System Configurations**
A wide variety of optional blades are available for small size stacks. This unit permits perforating before folding. An accurate blade drum for continuous folding mode. A maximum of 12 blades can be attached.

**Round Pick Feeder Unit**
Two buckles can be attached below the knife (one buckle is standard).

**Perforation Blade**
Maximum of 12 blades can be attached.

**Diameter 51/52 mm**
A wide variety of optional blades are available for small size stacks. This unit permits perforating before folding. An accurate blade drum for continuous folding mode.

**Glue Gun**
Specially-coated buckle plates minimize paper friction to maintain fold operation. Specially-coated buckle plates.

**Buckle Stopper and Deflector**
Specially-coated buckle plates minimize paper friction to maintain fold operation. Specially-coated buckle plates.

**RFU-54**
A Wide Range of Optional Units

**AF-SN56**
A Wide Range of Optional Units

**GFB-56**
A Wide Range of Optional Units

**AF-566F+T-564F Straight+Conveyor**
AF-566F+T-564F Right Angle+Conveyor+RFU-54

**AF-566F+Conveyor**
AF-566F+T-564F Right Angle+Conveyor+RFU-54

**Straight 6+4-buckle modular system for maximum 10-buckle operation.**

**Stand-alone 6-buckle configuration for brochure or leaflet folding.**

**Machine Dimensions [Unit : mm (inch)]**

**RFU-54**
A Wide Range of Optional Units

**AF-SN56**
A Wide Range of Optional Units

**GFB-56**
A Wide Range of Optional Units

**AF-566F+T-564F Straight+Conveyor**
AF-566F+T-564F Right Angle+Conveyor+RFU-54

**AF-566F+Conveyor**
AF-566F+T-564F Right Angle+Conveyor+RFU-54

**Straight 6+4-buckle modular system for maximum 10-buckle operation.**

**Stand-alone 6-buckle configuration for brochure or leaflet folding.**

**Machine Dimensions [Unit : mm (inch)]**

**RFU-54**
A Wide Range of Optional Units

**AF-SN56**
A Wide Range of Optional Units

**GFB-56**
A Wide Range of Optional Units

**AF-566F+T-564F Straight+Conveyor**
AF-566F+T-564F Right Angle+Conveyor+RFU-54

**AF-566F+Conveyor**
AF-566F+T-564F Right Angle+Conveyor+RFU-54

**Straight 6+4-buckle modular system for maximum 10-buckle operation.**

**Stand-alone 6-buckle configuration for brochure or leaflet folding.**

**Machine Dimensions [Unit : mm (inch)]**

**RFU-54**
A Wide Range of Optional Units

**AF-SN56**
A Wide Range of Optional Units

**GFB-56**
A Wide Range of Optional Units

**AF-566F+T-564F Straight+Conveyor**
AF-566F+T-564F Right Angle+Conveyor+RFU-54

**AF-566F+Conveyor**
AF-566F+T-564F Right Angle+Conveyor+RFU-54

**Straight 6+4-buckle modular system for maximum 10-buckle operation.**

**Stand-alone 6-buckle configuration for brochure or leaflet folding.**

**Machine Dimensions [Unit : mm (inch)]**
Short make-ready with fully-automated set-up including roller gap adjustment

- Color LCD Touch-screen
- suction head / assist air
- side lay guide
- folding rollers
- perforation / scoring
- right angle conveyor
- delivery conveyor
- double counter
- feed rotor

A Wide Range of Optional Units
- Gluing Unit : CGU-50/CGU-K56
- Perforation / Scoring : FP-56 (FSP-56)
- Mobile Knife Fold Unit : MKU-54T
- Gate Fold Buckle : GFB-56
- Front Perforation Unit : FP-56

System Configurations

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Dimensions</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>AF-566F+T-564F Straight+Conveyor</td>
<td>3,244 x 1,997</td>
<td>-</td>
</tr>
<tr>
<td>AF-566F+T-564F Right Angle+Conveyor+RFU-54</td>
<td>3,244 x 1,997</td>
<td>-</td>
</tr>
<tr>
<td>Straight 6+4-buckle</td>
<td>2,626 x 1,048</td>
<td>ABB TF1000, ABB TF3000, ABB TF6000, ABB TF9000, ABB TF12000, ABB TF16000, ABB TF20000</td>
</tr>
<tr>
<td>Right Angle 6+4-buckle</td>
<td>2,626 x 1,048</td>
<td>-</td>
</tr>
<tr>
<td>Stand-alone 6-buckle</td>
<td>2,626 x 1,048</td>
<td>-</td>
</tr>
</tbody>
</table>

Machine Dimensions [Unit : mm (inch)]

- AF-566F | 2,626 (103.4”) x 1,260 (49.6”) x 1,600 (63.0”) |
- T-564F | 2,612 (102.9”) x 1,188 (46.7”) x 1,297 (51.1”) |
- RFU-54 | 1,350 (53.2”) x 1,048 (41.3”) x 1,200 (47.2”) |
- AF-566F+T-564F Straight+Conveyor | 3,244 (127.6”) x 1,997 (78.4”) x 2,626 (103.4”) |
- AF-566F+T-564F Right Angle+Conveyor+RFU-54 | 3,244 (127.6”) x 1,997 (78.4”) x 2,612 (102.9”) |

- **Buckle Folder AF-566F+T-564F**

- A wide range of optional units are available for various applications.
- System configurations allow for efficient operation and accurate folding.
- Dimensions and options vary depending on the configuration selected.

---

**Note:** The above information is based on the extracted text and includes specifications and configurations relevant to the Buckle Folder AF-566F+T-564F. Detailed specifications and configurations are provided in the system configurations table.
Short make-ready with fully-automated set-up including roller gap adjustment

Feed Rotor

Double Counter

Side Lay Guide

Folding Rollers

Perforation / Scoring

Right Angle Conveyor

Delivery Conveyor

Buckle

Suction Head / Assist Air

Color LCD Touch-screen

The 10.4 inch color screen provides all machine information at a glance and includes a full-screen graphical interface screen. The icon-based interface makes setting up and running jobs easy.

A Wide Range of Optional Units

A variety of options are available to meet your individual requirements. The side lay guide is coated with a special anti-static coating, for trouble-free operation when static electricity can be a problem.

Scoring Navigator: AF-SN

The scoring navigator is equipped with a precision scored punch and a scoring knife for both 8- and 16-page folding. Two scoring knife units are available for 16-page folds. The gate fold buckle can be set up quickly, with no special skills for superior sheet aligning.

Mobile Knife Fold Unit: MKU

Both knife units can pivot 180 degrees to allow fold-up or fold-down flexibility.

Buckle

The gate fold buckle can be set up quickly, with no special skills for superior sheet aligning.

Gluing Unit: CGU

The gluing unit can produce 8-page or 12-page glued booklets.

Optional standing delivery unit is available for small size stacks. This unit is employed for accurate scoring.

RFU-54

The RFU-54 can be attached or detached to the folder press unit height. A remote control provides powerful compression for reduced bulk. The first rollers remove the air and the second rollers powerfully compress the signatures for reduced bulk.

System Configurations

AF-566F+T-564F Right Angle+Conveyor+RFU-54

This configuration allows printing on the first station and folding on the second station for heavier weight stocks. Complex fold patterns can be performed using this configuration.

AF-566F+Conveyor

This configuration allows printing on the first station and folding on the second station for heavier weight stocks. This configuration also allows scoring on the first station and folding on the second station for heavier weight stocks.

AF-566F+T-564F Straight+Conveyor

This configuration allows printing on the first station and folding on the second station for heavier weight stocks.

AF-566F+T-564F Right Angle+Conveyor

This configuration allows printing on the first station and folding on the second station for heavier weight stocks.

AF-566F+T-564F Right Angle+Conveyor+RFU-54

This configuration allows printing on the first station and folding on the second station for heavier weight stocks. Complex fold patterns can be performed using this configuration.

AF-566F

This configuration allows printing on the first station and folding on the second station for heavier weight stocks.

AF-566F Right Angle

This configuration allows printing on the first station and fold-up or fold-down flexibility.

AF-566F Straight

This configuration allows printing on the first station and fold-up or fold-down flexibility.
Features

Graphical user interface for intuitive operation.

Fully-automated setup increases efficiency and quality on the 2nd station to prevent image cracking. With the 6+4-buckle connected straight, zigzag (22 panel) folding can be performed.

Flexible modular concept increases folding capabilities. 6+4-buckle modular concept allows for a variety of fold patterns to cover many applications. JDF workflow compatibility

JDF workflow compatibility

30 to 450 mm (1.180" to 17.720")

30 to 360 mm (1.180" to 14.170")

Art/Coated Paper : 50 to 232 gsm

Normal Paper : 35 to 209 gsm

Min. 50(W) x 128(L) mm (1.970" x 5.040")

Max. 740 mm (29.1") [within 250 kg (551.3 lb)]

(Feed interval and suction time are adjustable.)

AF-566F Major Specifications

Scoring Width : About 1 mm (0.04") (Depends on sheet type)

Min. Perforation Distance : 20 mm (0.79") in one operation

Min. Scoring Distance : 20 mm (0.79") in one operation

Cut 2.5 mm (0.10"), Blank 0.8 mm (0.03") (All options)

Cut 3.2 mm (0.13"), Blank 0.8 mm (0.03")

Max. 558(W) x 558(L) mm (21.970" x 21.970")

4 Buckles

3-Phase 200 V, 50 / 60 Hz, 1.8 / 2.2 A

3-Phase 200 V, 50 / 60 Hz, 3.7 / 5.0 A

3-Phase 200 V, 50 / 60 Hz, 467 kg (1,029.7 lb)

Front Perforation Unit : FP-56

Gluing Unit : CGU-50/CGU-K56

Punch Perforation Kit

Gate Fold Buckle : GFB-56

Round Pile Feeder Unit : RFU-54

Mobile Knife Fold Unit : MKU-54/MKU-54T

Press Stacker : PST-40

Front Skip Perforation Unit : FSP-56

Buckle Folder AF-566T4F

Buckle Folder AF-566T4F

Modular fully-automated folding machine.

6+4-buckle modular concept allows for a variety of fold patterns to cover many applications.

This folder is designed with Horizon’s "Intelligent Automation" concept which boosts the finishing process with advanced automation systems, bringing dramatic improvements in productivity and efficiency to the bindery.

The folder is easy and intuitive to set-up, even for unskilled operators, thanks to the intelligent automation and user-friendly design.

All sections including the roller gaps are fully automated through the color touch-screen.

Modular concept allows for flexible configuration and handles simple to complex fold patterns. Foldable on the 2nd station and all sections on the 2nd station can be customized as needed.

Robust design and durable construction achieves a high-quality finish ready with accurate and additional automation.

AF-566T4F

Horizon

Buckle Folder AF-566T4F

Modular fully-automated folding machine.

6+4-buckle modular concept allows for a variety of fold patterns to cover many applications.