

# FOLDER

Toto Folder's product information magazine "FOLDER" Total Finishing Solutions

No. 92  
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Feature

## Toto Folder's Sheet Finishing Technology

"Less maintenance + stress-free" brings higher



Thank you very much for your continued supports.  
We, Toto Folder Mfg. Co., Ltd., steadily and diligently  
work to serve our customers step by step.  
We are looking forward to your continued patronage.

TOTOFOLDER  
東都フォルダー工業株式会社

# Less Maintenance

# Stress-free

## Toto Folder's Sheet Finishing Line

By connecting 3 models launched last year,  
"Less Maintenance + Stress-free" Sheet Finishing Line can be constructed.

### Feeding



RAPIDE-JET

W5,233×D3,630mm×H2,430  
Max 50m/min

### Ironing



T-ROLL

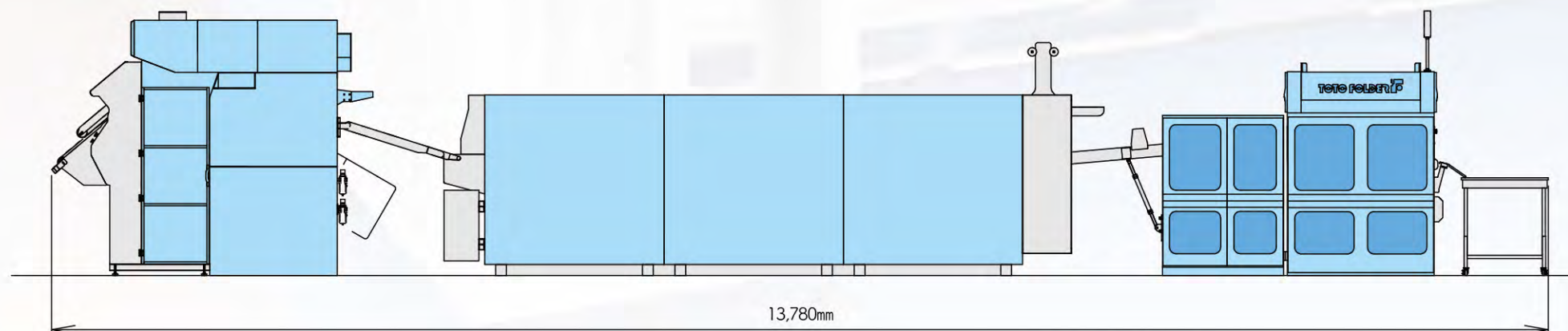
W3,650×D6,080×H2,145mm  
Max 50m/min

### Folding



HS-VS1V-N6-35K

W4,613×D3,972×H2,440mm  
Max 80m/min



## Less Maintenance

### Parts in common with SONIC

Although Feeding stations are RAPIDE original, all the mechanisms and processes after Spreading are common to SONIC E series Feeders. This reduces the burden of parts inventory. ※Blue shaded area



Side view of RAPIDE-JET

### Easy Feeding and Simple mechanism

The change from Clamp feeding method to Belt feeding method makes the mechanism simpler, which leads to decrease of the number of parts and easier maintenance. ※Red shaded area

## Feeding

RAPIDE-JET

### Oil Change Interval

1,300mm large diameter Roll rotates only 12 times a minute even if it runs at a high speed of 50m/min. Then, load on the mechanism is not large and the change interval of Gear Head oil of Drive motor is as long as 3 years or 6,000 operation hours.

Long life bearing is employed for the passive side. Maintenance of this bearing is just cleaning and re-fit of lubricant every 1 year or 2,000 operating hours.

Troublesome daily maintenance is not required.

## Finishing

T-ROLL

### Timing belts are employed at all Drives

Comparing with conventional chain drives, timing belts are more durable with longer lives, thus it is expected to save running costs. Besides, as lubrication oil is not required and drive sections are kept clean.



## Folding

HS-VS1V-N6-35K

## Stress-free

### Easy and safety feeding

Feeding method is as easy and simple as just putting a sheet between belts. As "Conveyor Pinch Prevention Function" is equipped, an operator is allowed to concentrate on his work without worrying about operability and safety.

### High production with a small number of operators

Easy and simple feeding method increases productivity. The productivity of RAPIDE-JET (2 Feeding station) is comparable with the one of conventional RAPIDE (3 Feeding station), which reduces labor costs.

### Stable quality and productivity

At T-ROLL, Chest firmly opens at the steam pressure of approx. 0.8MPa and properly performs up to the steam pressure of 1.4MPa. For rigidly fixed Chest, 15mm thick carbon steel is employed. A snug contact between Chest and an item makes heat transfer even, which brings high quality finishing.

### Folding / Stacking accuracy improved

Employment of brake motors increases accuracy of stopping motions required for folding and stacking and prevents minute misalignment, which leads to higher quality.

### Prevention of jamming

As Swelled article detection function is equipped, in case that any foreign item is in a sheet, abnormality is detected in advance and it is discharged to outside.

### Additional function for quality improvement

Automatically detects "Stain", "Mildew", "Dirt", "Tear" which cannot be found by human eyes. The demand for quality improvement is getting stronger every year, and this is the product absolutely indispensable.

## Inspection

VMS-GL-700  
VISION7

**Now accepting Factory Tour! Online Tour also available!**

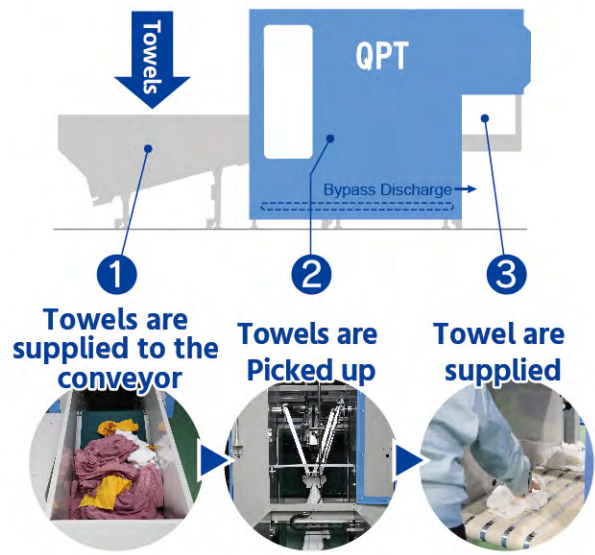
Our Sheet Finishing Line is installed at our Iwatsuki Technical Center.

Please apply for a plant tour through our Web site:

Contact | TOTOFOLDER MANUFACTURING INC.

**Automatic supply to an operator**

A towel is automatically supplied to an operator right after he or she takes a previous towel. Positions to take towels are fine-tuned for easy pick-up, which enable quick works.



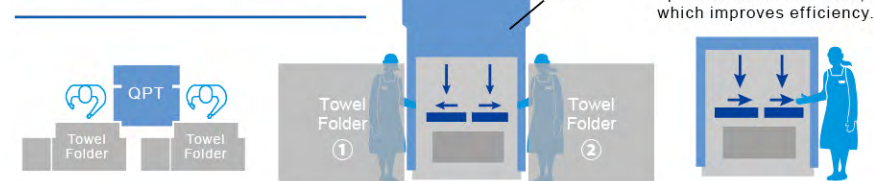
▲ Image of connection with Towel Folder

**Liberation from piles of towels**

*Towel Picker*

**QPT**

**1 unit of QPT can be connected with Max. 2 Towel Folders.**



In one-operator mode, towels are supplied to an operator from both sides, which improves efficiency.

Easy to pick up  
**700mm**

**Quick supply**

Next towels are supplied from after an operator picks up one.



Supply of towel to an operator one by one eliminates labor of pulling one towel out of a towel pile, which leads to reduction of the burden and increase of work efficiency.

Watch video using this QR code. ▶



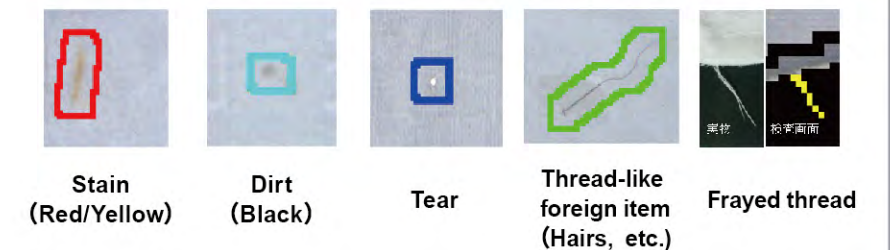
**Towel Dual-side Inspection Device**

**GT-500W**

Quality inspection of towels such as "Stain", "Dirt", "Tear", "String like an hair", "Frayed thread" are made. In response to the tendency of emphasis on quality, combination with QPT improves not only quality but also work efficiency.



**Productivity can be improved by defining inspection criteria!**



Operator has only to feed.

Detects defects and discharges as rejected items.

Next page shows **QPT+GT-500W+Towel Folder Line!**



# Creating comfortable work place

## Towel Picker ver.

QPT making it possible to immediately feed an item picked up, operators can concentrate only on feeding, which improves work efficiency.

1

### T1A-Smart

Folder of mixture of bath towels and hand towels



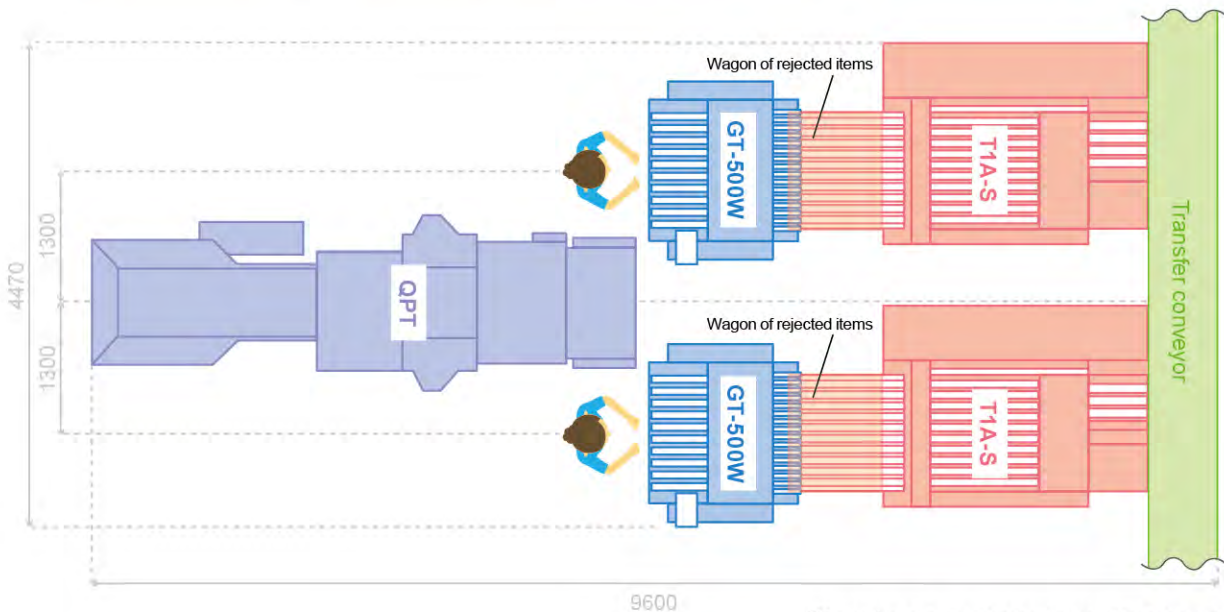
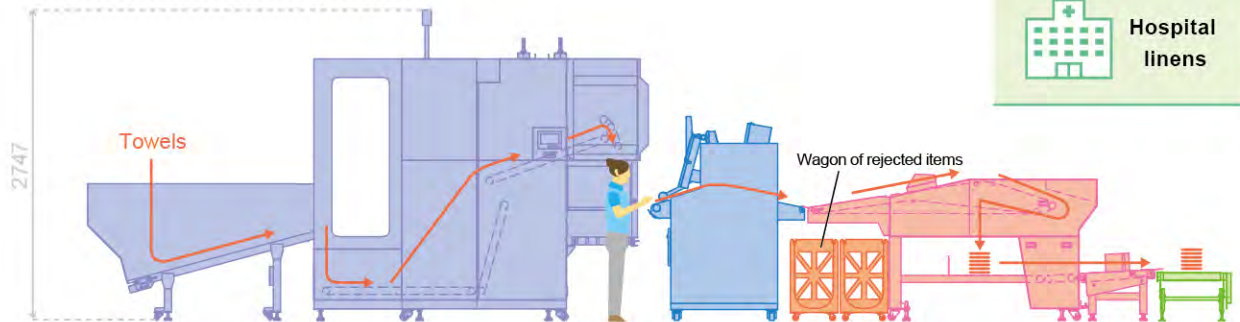
Four fold dedicated machine!

Four fold / Two fold (Bath mats only)

Recommended for



Hospital  
linens

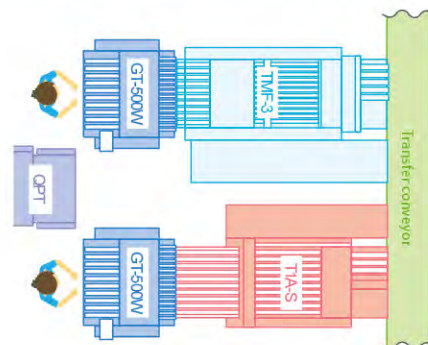


※Dimensions are subject to change depending on Layout.

### POINT Combination with existing units!

#### Towel Folder + Towel Inspection Device

If Toto-made Towel Folder is already in operation, introduction of only QPT (with GT-500) is possible. 1 unit of QPT can be connected with Max. 2 units of Towel Folders. Even if these 2 Towel Folders are different models, they are connectable. Various combinations are available.



# 2

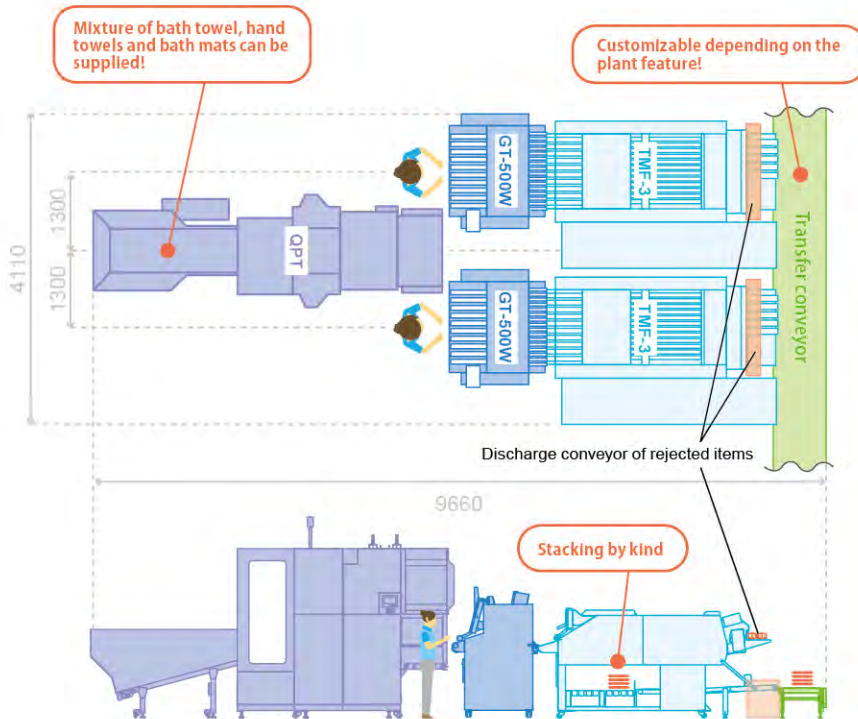
## TMF-3

Folder of mixture of bath towel, hand towels and bath mats



Convenient 3 kinds mixture feeding!

Four fold / two fold (only bath mats)



※Dimensions are subject to change depending on the layout.

Recommended-for

- Hospital linens
- Hotel linens

**POINT**

For higher productivity

As 3 kinds of towels are fed in mix and discharged by kind, productivity gets higher.

3 kinds mixture feeding + various folding patterns!

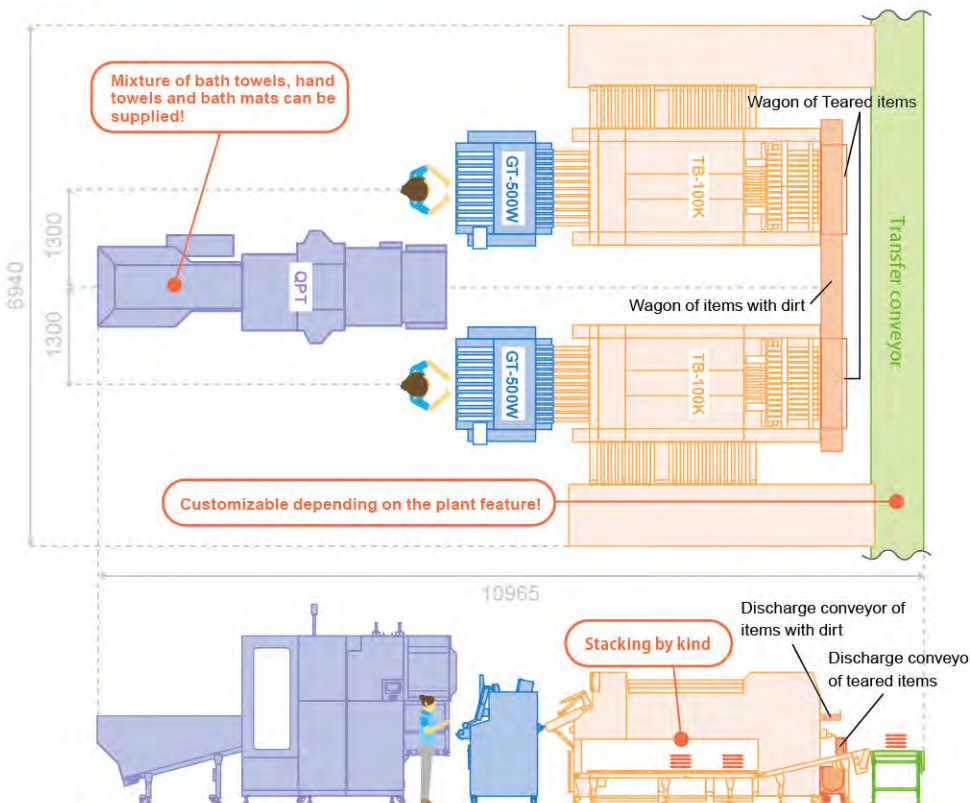
# 3

## TB-100K

Folder of mixture of bath towels, hand towels and bath mats



Four fold / Two fold (bath mats only)  
French fold / Pantry fold



※Dimensions are subject to change depending on the Layout.

Recommended-for

- Hotel linens

**POINT**

Performs multiple folding patterns from Four fold to French fold!

From French folds often seen at luxury hotels to general four folds, this machine covers them all!



Brings to you  
- More comfort -



### New Sheet / Duvet Cover Feeder "SONIC-CS3-33"

Number of feeding station: 3 stations

Measurements:

Conveyor Speed: 10-60m/min

W: 4,672mm D: 1,975mm H: 2,645mm



▲ Watch video



Concerning this magazine, please contact

Telephone

**+81-(0)49-225-6125** 8:20~17:20  
Except Weekends and National holidays

Website

Contact / TOTOFOLDER  
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Plant Tour

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on the left or visit  
our website to register.