

FS Solutions

FLEXIBLE INTRALOGISTIC SYSTEMS



ACTIVE ROLLERTOP_SORTER



1. FS_ROLLERTOP_SORTER SINGLE

Specifications

- Total Conveyor Length: 1 meters (B= 470mm, 620mm) 1,2 meter (B=850mm)
- Modular frame width: 470mm, 620mm, 850mm
- Modular belt width: 457mm, 609mm, 838mm
- Sorting width: 400mm, 600mm, 800mm
- Capacity single_sorter: Up to 2.500 pr/h (depends on product dimensions)
- Product weight: Max 30kg
- Outputs: 1
- Power consumption: 3 x drive 24V
- Control card: 2 x RTS_Controller-AI2 each output 24V + Ethernet
- Noice level is 75dB(A) with a product speed of 40m/min
- Transfer diameter 82mm (z=9 teeth)
- Ideal for conveying small packages from 50x50mm

STANDARD SINGLE_SORTER

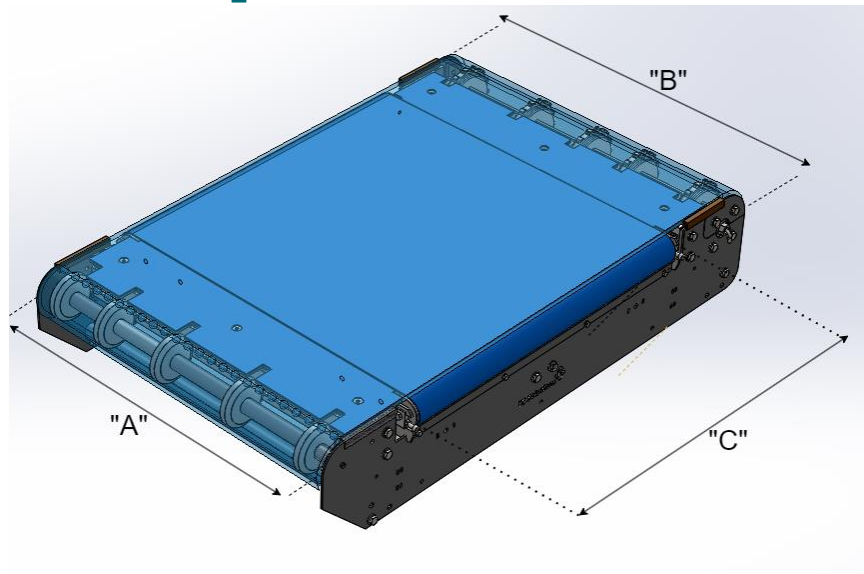


Figure 1 : single_sorter

Table 1: Dimensions Single

Item description	Size	Length	Chain width (A)	External width (B)	Divert zone (C)	Height Frame
Dimensions in mm						
FS-470-RTS-400x1	1	807	457	470	400	195
FS-620-RTS-400x1	2	807	610	623	400	195
FS-620-RTS-600x1	3	1007	610	623	600	195
FS-850-RTS-400x1	4	1207	838	851	400	195
FS-850-RTS-600x1	5	1207	838	851	600	195
FS-850-RTS-800x1	6	1207	838	851	800	195

2. STANDARD DUAL_SORTER

Specifications

- Total Conveyor Length: 1200 mm (B= 470mm, 620mm)
- Modular frame width: 470mm, 620mm
- Modular belt width: 457mm, 609mm
- Sorting width: 2x 434 (883 total)
- Capacity dual_sorter: Up to 2.800 pr/h (depends on product dimensions)
- Product weight: Max 30kg
- Outputs: 1 or 2
- Power consumption: 5 x drive 24V
- Control card: 3 x RTS_Controller-AI2 each output 24V + Ethernet
- Noice level is 75dB(A) with a product speed of 40m/min
- Transfer diameter 82mm (z=9 teeth)
- Ideal for conveying small packages from 50x50mm

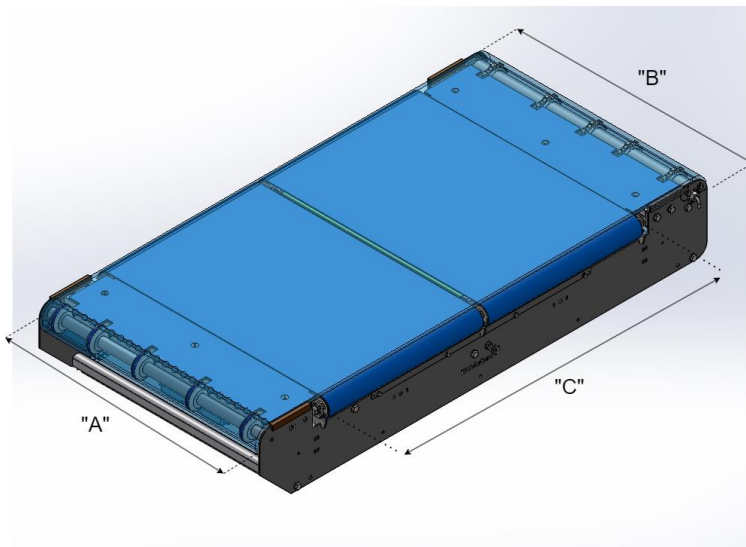


Figure 2: dual_sorter

Table 2: Dimensions Dual

Item description	Size	Length	Chain width (A)	External width (B)	Divert zone (C)	Height Frame
Dimensions in mm						
FS-470-RTS-400x2	1	1277	457	470	2x 434 (883 total)	195
FS-620-RTS-400x2	2	1277	610	623	2x 434 (883 total)	195

3. FS-ROLLERTOP_SORTER MULTI

Specification:

- Total Conveyor Length: up to 15 meters
- Modular frame width: 470mm, 620mm
- Modular belt width: 457mm, 609mm
- Sorting width: 400mm, 600mm
- Capacity: Up to 2.200 pr/h (depends on product dimensions)
- Product weight: Max 30kg
- Outputs: Up to 10 rejects.
- Power consumption: 1 x drive 400V + 2 x drive 24V (depends on number of outputs)
- Controlcard: 1 x RTS_Controller-AI2 each output 24V + Ethernet
- Noise level is 75dB(A) with a product speed of 40m/min
- Transfer diameter $\varnothing 107\text{mm}$ (z=12 teeth)

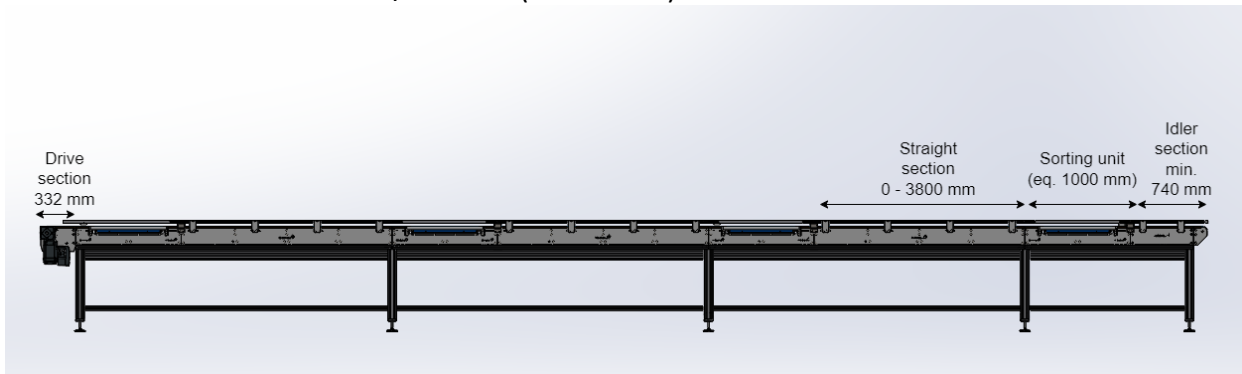
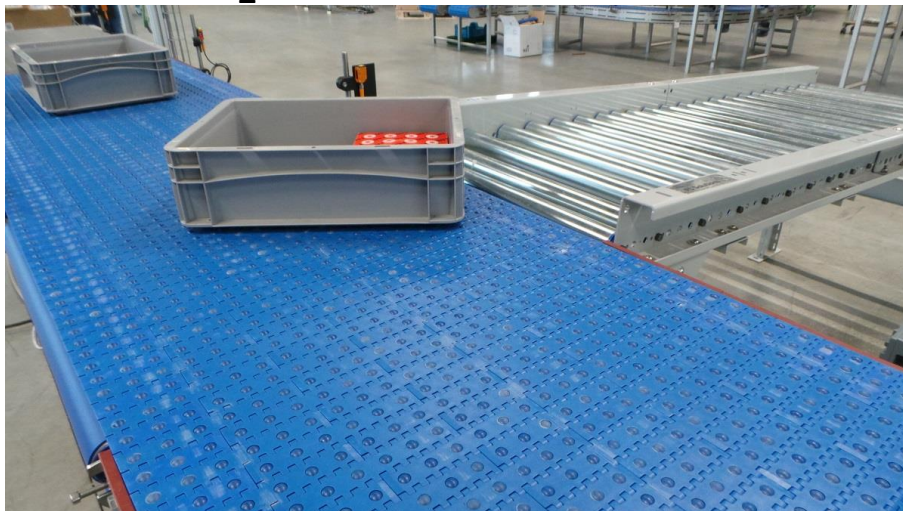


Figure 3: Section dimensions

DISCRIPTION EXAMPLE:

FS-620-RTSM-600_4



STANDARD SORTERUNIT

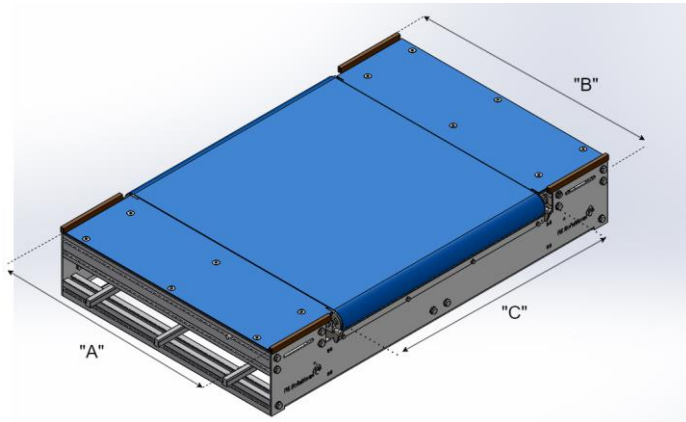


Figure 4: Sorterunit

Table 3: Dimensions sorterunit

Item description	Size	Length	Chain width (A)	External width (B)	Divert zone (C)	Height Frame
Dimensions in mm						
FS-470-RTSM-400x1	1	800	457	470	400	175
FS-620-RTSM-400x1	2	800	610	623	400	175
FS-620-RTSM-600x1	3	1000	610	623	600	175

DUAL SORTERUNIT

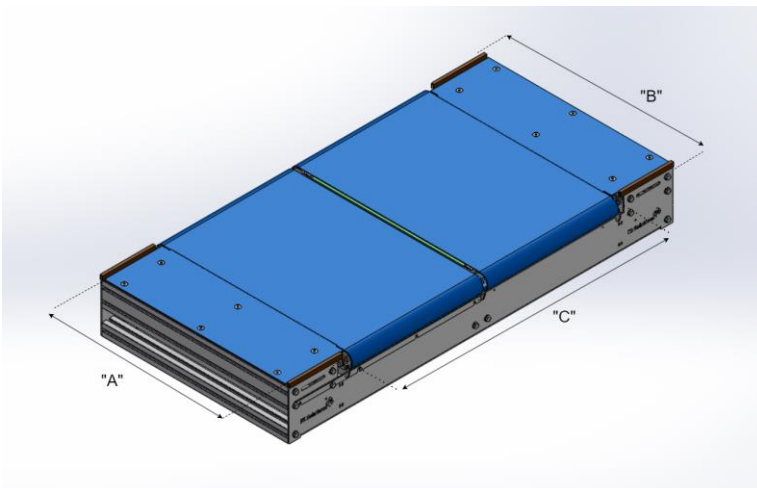


Figure 5: Dual sorterunit

Table 4: Dimensions dual sorterunit

Item description	Size	Length	Chain width (A)	External width (B)	Divert zone (C)	Height Frame
Dimensions in mm						
FS-470-RTSM-400x2	1	1274	457	470	400	175
FS-620-RTSM-400x2	2	1274	610	623	400	175

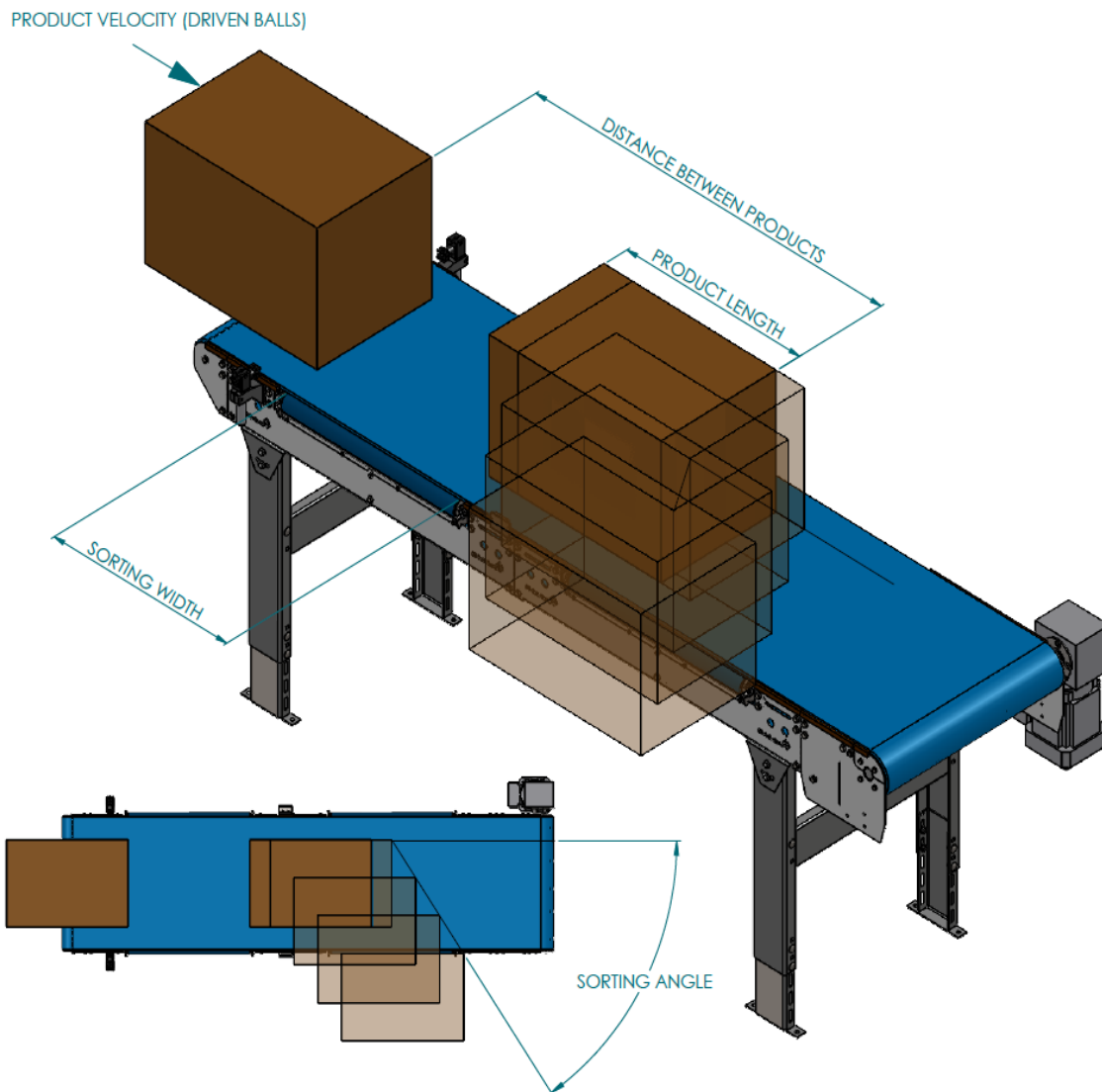


Figure 6: Calculation sheet

Table 5: Calculation parameters

Conveyor product velocity	40 m/min
Sorting angle	56 °
Sorting Belt Velocity	59,3 m/min
Products (per minute)	32,0 p/min
Products (per hour)	1920 p/h
Time between two products	1,88 sec