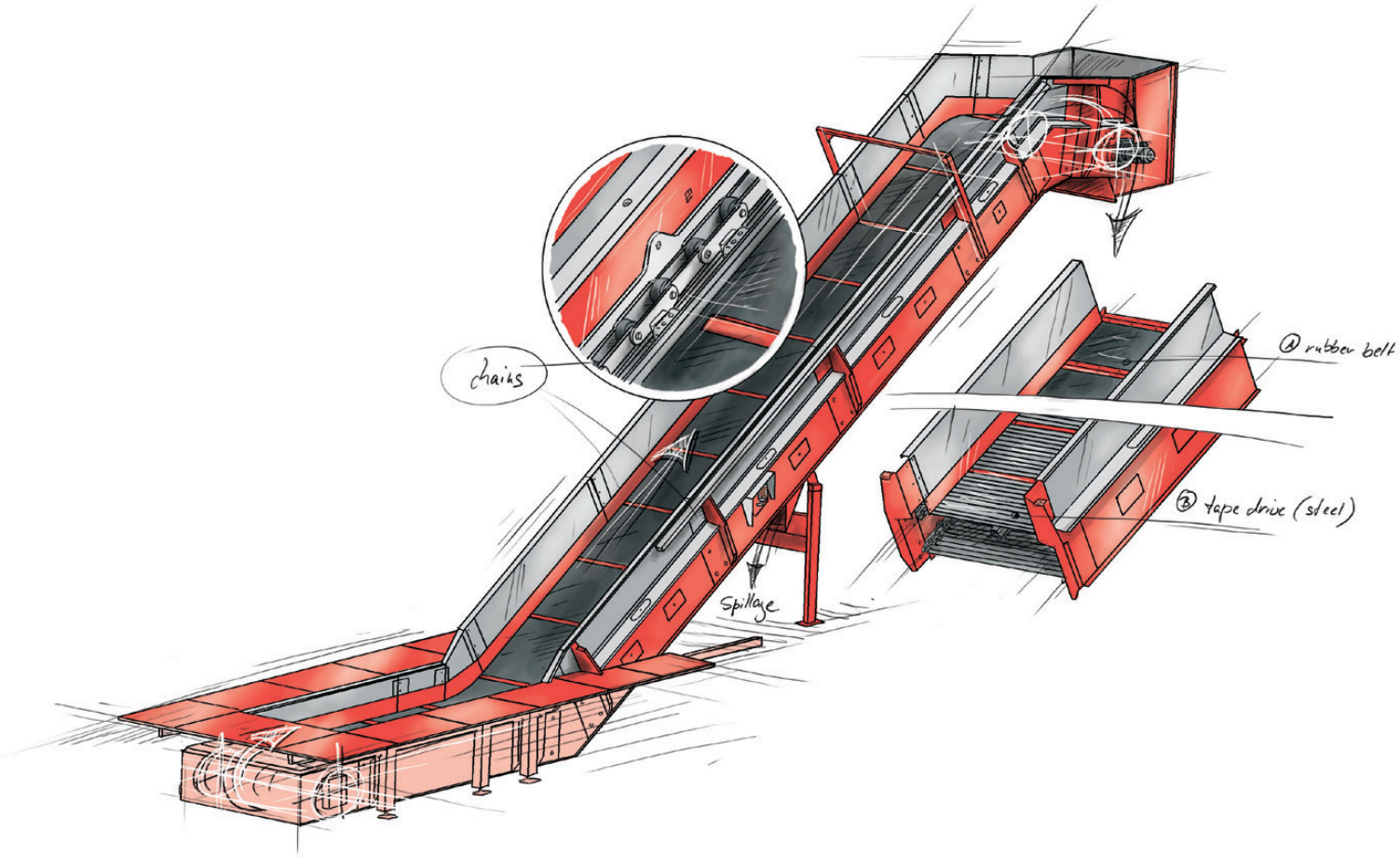
WESTERIA®
FÖRDERTECHNIK

Conveying Systems



ChainCon
PlateCon

Product specification

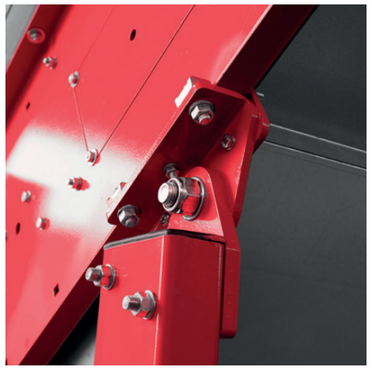
Chain belt conveyor **Chain**Con / steel plate conveyor **Plate**Con

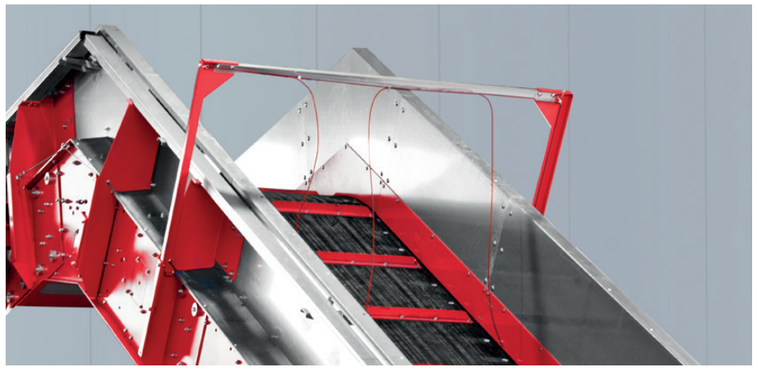
The proven Westeria® module system was designed in order to be in the position to react to customer requirements quickly and flexibly. This unique system is designed for each and every market requirement.

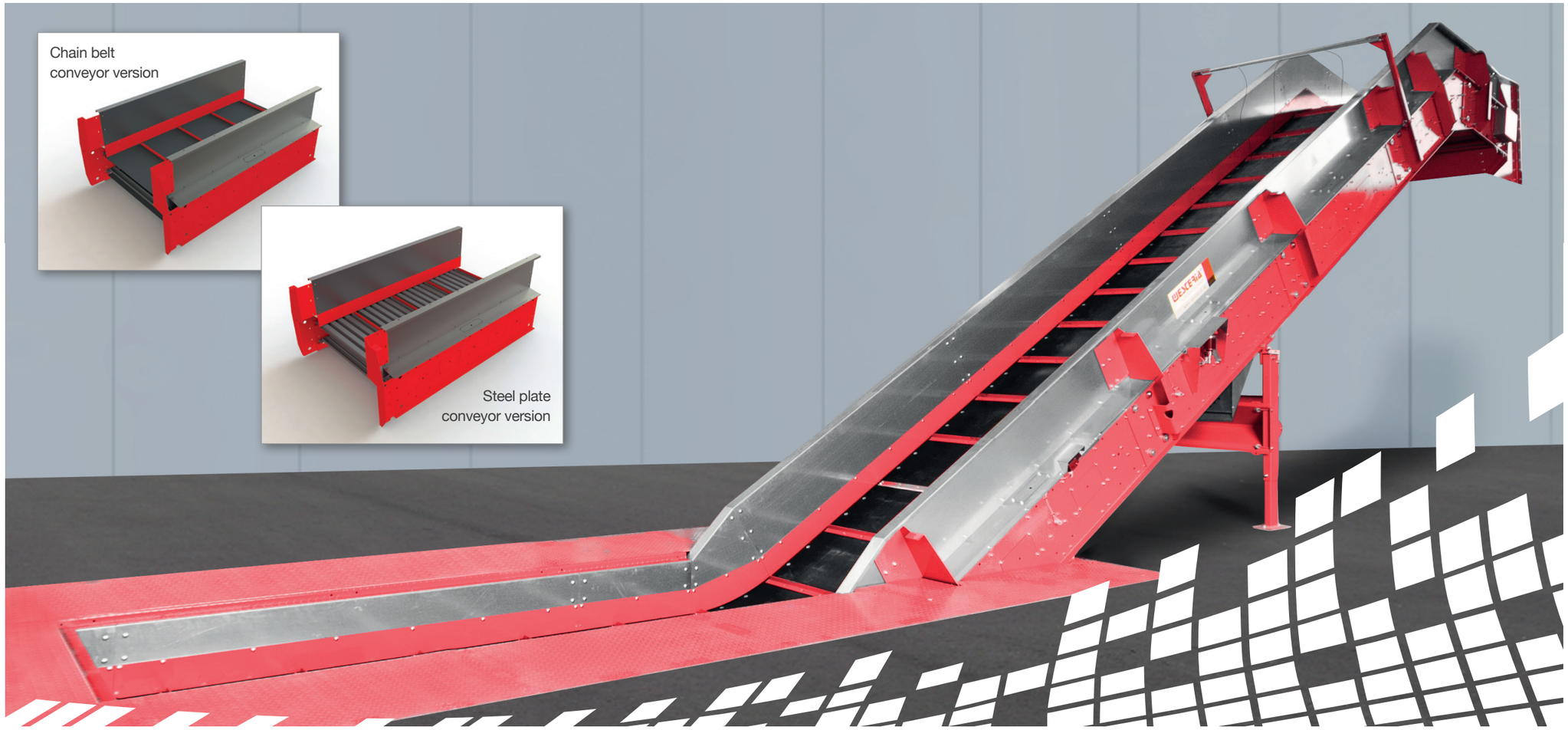
The range of applications includes the charging of shredder facilities in particular for scrap and construction waste treatment to the feeding of paper presses.

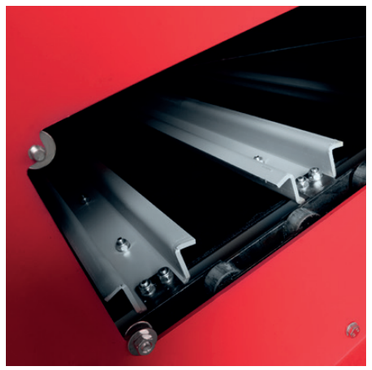
Westeria® system plants combine utmost product quality “Made in Germany” with highly attractive prices. Nonetheless, it offers enough scope for the flexible and easy integration of special customer demands and requirements into existing systems.

Do not hesitate to contact us! We will find a solution for your requirements!



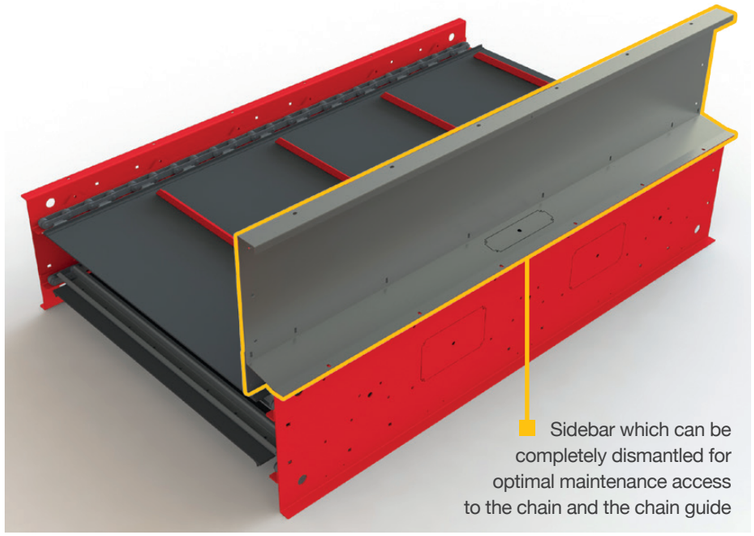




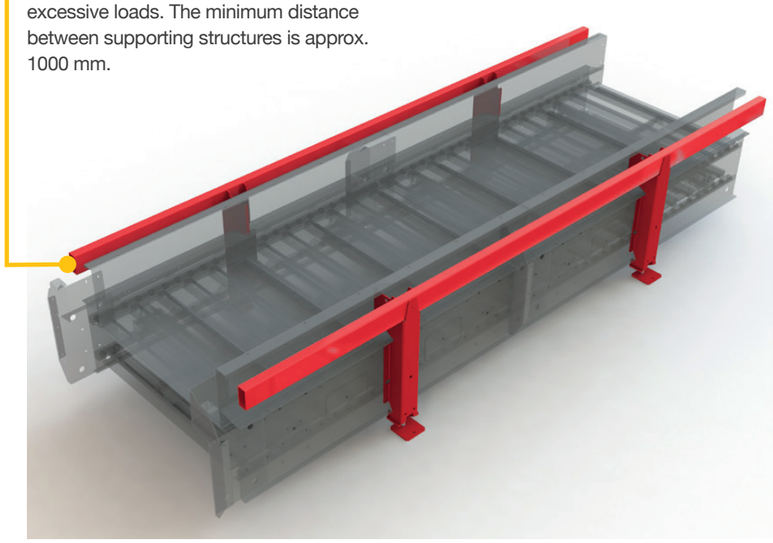


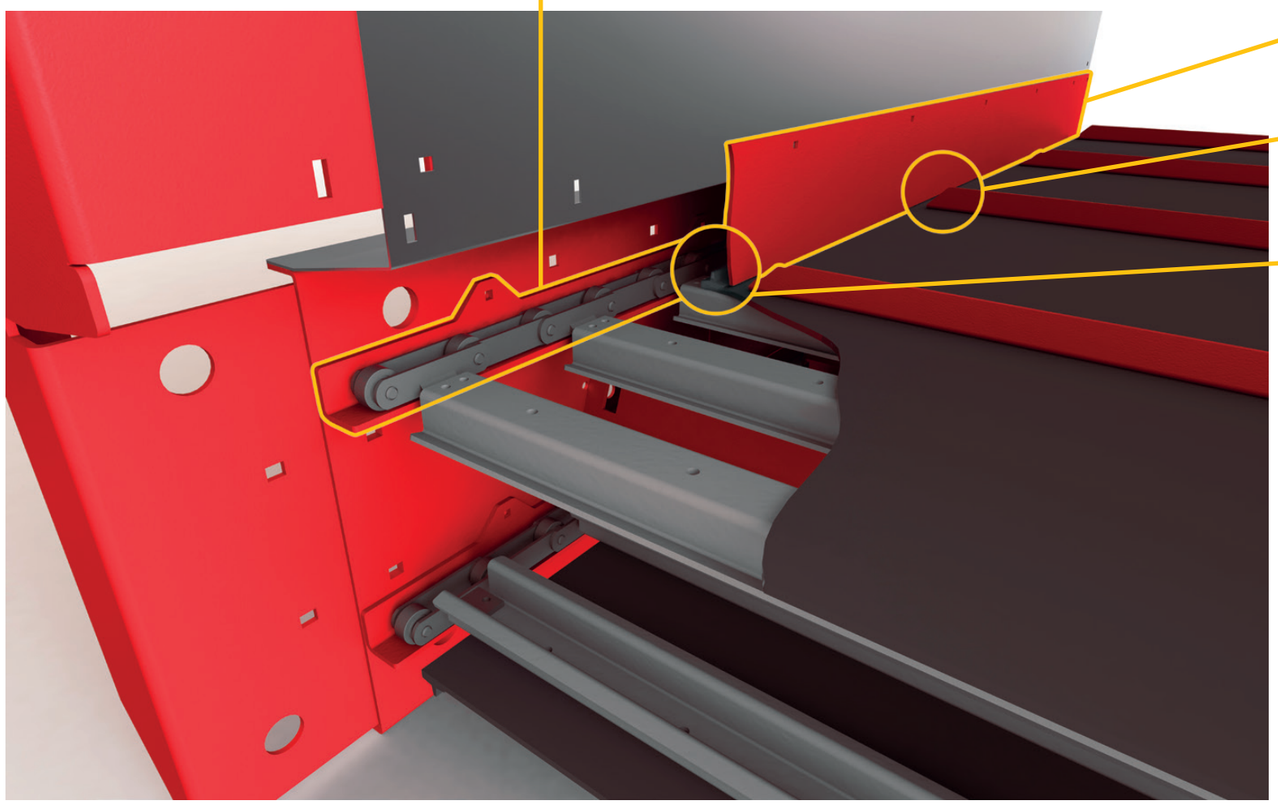
Benefits

- Modular construction allows for very short assembly times. Assembly of the whole press feed unit possible in one working day!
- Additional modifications to the length of the chain belt conveyor possible without welding and grinding.
- Replacement of chain wheels and shafts through the sides of the belt frame.
- Adjustable supports allow for a high degree of variability for local assembly.
- Pre-mounted bottom belt covering which can be separately dismantled for maintenance.



- Concentrated loads caused by pit covers are not directly absorbed by the frame construction but by a specially designed rectangular profile. Thus, there is no need to separately relocate pit covers in case of excessive loads. The minimum distance between supporting structures is approx. 1000 mm.





Technical data

1. Frame construction

Base frame:
t = 6 lacquered

Sidebars:
t = 3 zinc-plated

Frame elements:
max. pitch: 2970 mm

Angular positions:
0° / 25° / 30° / 32° / 35° / 40° / 60° / -10°

Revision openings:
200 x 400 mm
Distance: 1500 mm

Longitudinal support with plastic profile:
one support in the center of the feeding section

2. Chains, chain wheels

ChainCon **chain types:**
FV 90 / FV 140 / FV 250

PlateCon **chain types:**
FV 90 / FV 140 / FV 250

Chain wheels:
7 teeth

Stock articles:
FV 90 / FV 140 / FV 250 chains

3. Shafts

Diameter of drive shaft:
70 mm / 80 mm / 100 mm

Diameter of deflector:
70 mm / 80 mm

Diameter of flange bearing:
70 mm / 80 mm / 100 mm

Shafts can be dismantled/assembled through the sides of the frame.

4. Material at the carrying side

ChainCon **belt qualities:**
Rubber belt EP 400 / 3
Cover 4:2
circumferential 20 mm T stud strip

PlateCon **steel plate variant up to a plate width of 1200 mm:**
Shaft profile t = 4
Shaft profile t = 8
Flat section with rubber sealing

Carrier:
Height: 50 mm
Pitch: 750 mm

5. Drive

Type of drive:
Flat gear / bevel gear

Make:
SEW

6. Pit cover

Material:
Stud plate
Support section for rectangular pipe

Fitting:
Angle sections to be fitted at the pit edge
Intermediate plate at the conveyor side
Covers are attached on-site

7. Bottom belt covering

Material:
zinc-plated t = 1.5, integrated in the frame
500mm pitch, can be dismantled separately

8. Supports

Distance in the horizontal section:
2970 mm

Height in the horizontal section:
1100 / 1500 / … / 2500 mm
upper edge of belt
From H = 1500:
with cross bond in longitudinal and lateral direction

Self-supporting length:
max. 6000 mm

Supports at the ascending part:
H supports
Rectangular pipe

9. Accessories (optional)

Emergency switch-off cord:
Type ZQ 900
lateral and in the center

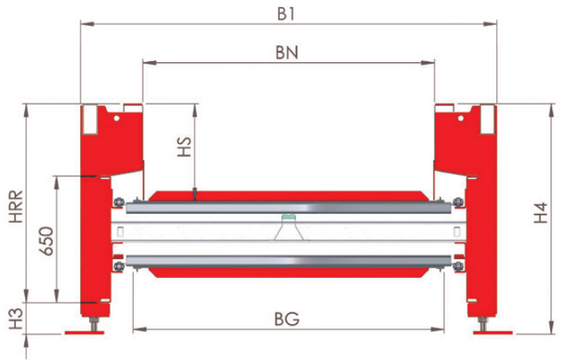
Speed monitor:
Type DI 5004

Drip feed lubricator:
Type Elmatic, electrical

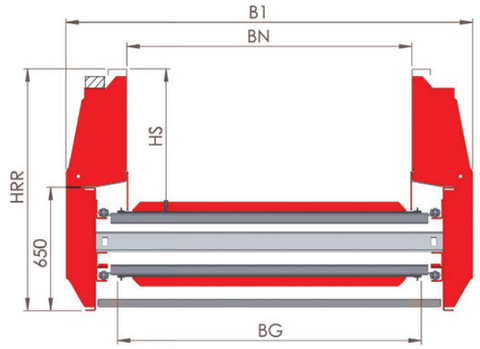
Transfer chutes:
adjusted

Cleaning systems:
Spillage chutes

Dimension sheet



Cross-section for pit set-up



Cross-section of ascending part

Widths

Group	1, 2, 3		1	2	3
Dimension	BG	BN	B1	B1	B1
	1100	1000	1642	1672	1762
	1300	1200	1842	1872	1962
	1500	1400	2042	2072	2162
	1600	1500	2142	2172	2262
	1850	1750	2392	2422	2512
	2000	1900	2542	2572	2662

B1 widths depend on chain type; therefore we have 3 groups:

Group 1: FV90 chain

Group 2: FV140 chain

Group 3: FV250 chain

Heights

Group	1, 2, 3	
Dimension	HS	HR
	300	822.5
	500	1022.5
	750	1275.5
	1000	1522.5
	1250	1772.5

Foot heights

Group	1, 2, 3	
Dimension	H3	H4
	0	1050
	162.5	1200
	262.5	1300
	362.5	1400

Westeria® conveys values

Production, logistics, recycling – when it comes to conveying piece goods or bulk goods, or the separation and sorting of mixed materials, special solutions are required: economical, adequate, long-lasting reliable, individually tailored to special requirements.

eFACTORTHREE

eFACTOR3 LLC
15050 Choate Circle
Suite E
Charlotte, NC 28273

P 704-944-3232
877-801-3232
F 704-944-3234
www.efactor3.com
sales@efactor3.com

Westeria® Fördertechnik GmbH
Raiffeisenstr. 2
D-48346 Ostbevern

Fon +49 (0) 25 32/88-0
Fax +49 (0) 25 32/77 70

verkauf@westeria.de
www.westeria.de