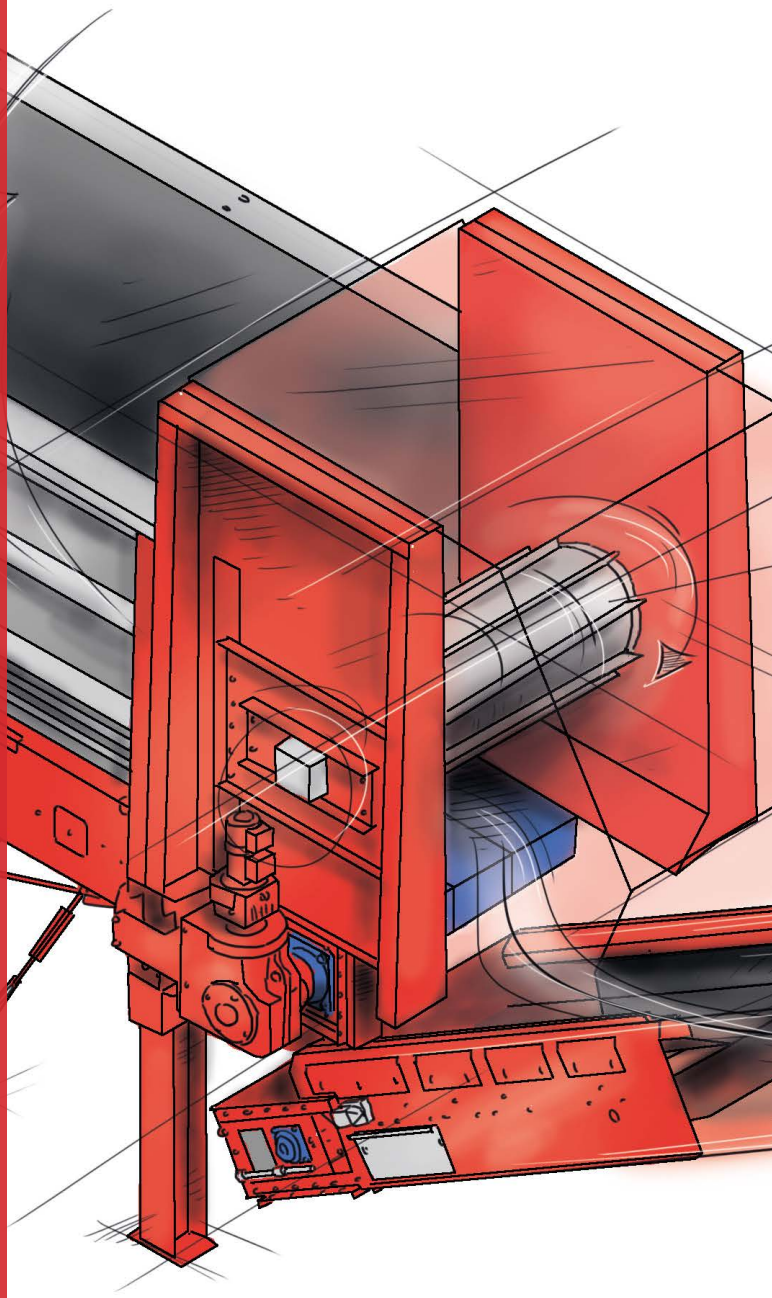
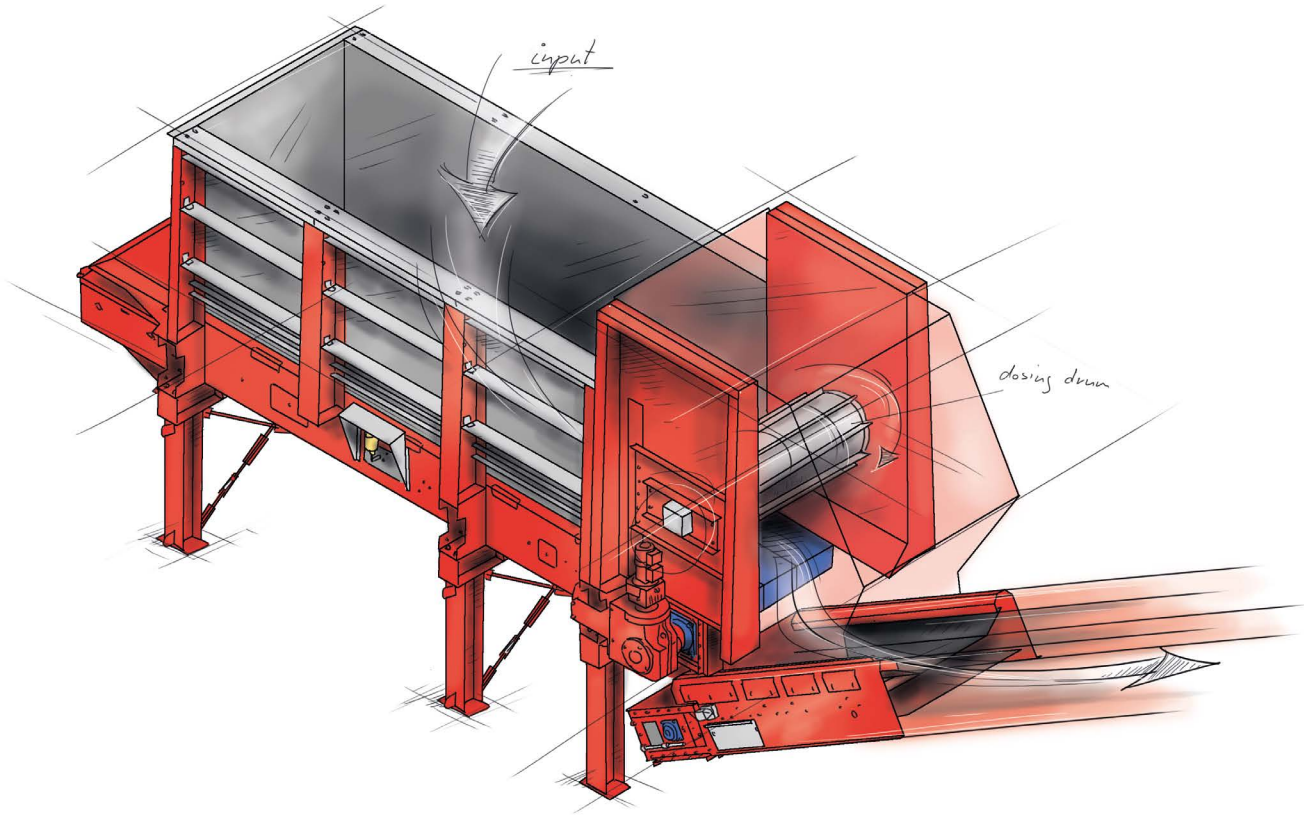
WESTERIA®
MOVING INNOVATION

MultiFeeder®

DOSING | PRODUCT PRESENTATION

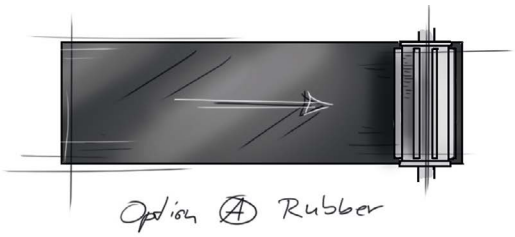


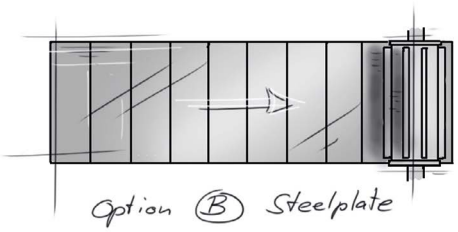
MultiFeeder®

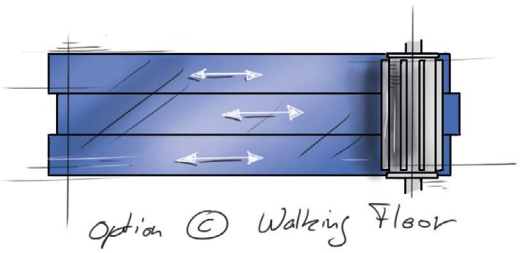


Perfect for linear material dosing

MultiFeeder is a storage bunker system, specially designed for the fully automated linear distribution of input materials. It is space-saving and can easily be integrated into existing units. It is the ideal starting point for material processing. With irregular material feeds, the MultiFeeder temporarily stores the material in the hopper and doses it evenly onto the next conveyor belt for maximum efficiency. Can be shipped in standard sea containers, thanks to its easily assembled modular design.







About us

Westeria is a German company from Westphalia with over 60 years of experience producing innovative machinery. Since 1956, our product portfolio has largely grown to provide high-quality machines, technical expertise and excellent service to our clients. We are constantly developing new recycling machines and conveyor systems for what is perhaps the biggest challenge of the present day: make the circular economy a valuable and profitable reality all over the world.

Key advantages

Modularity

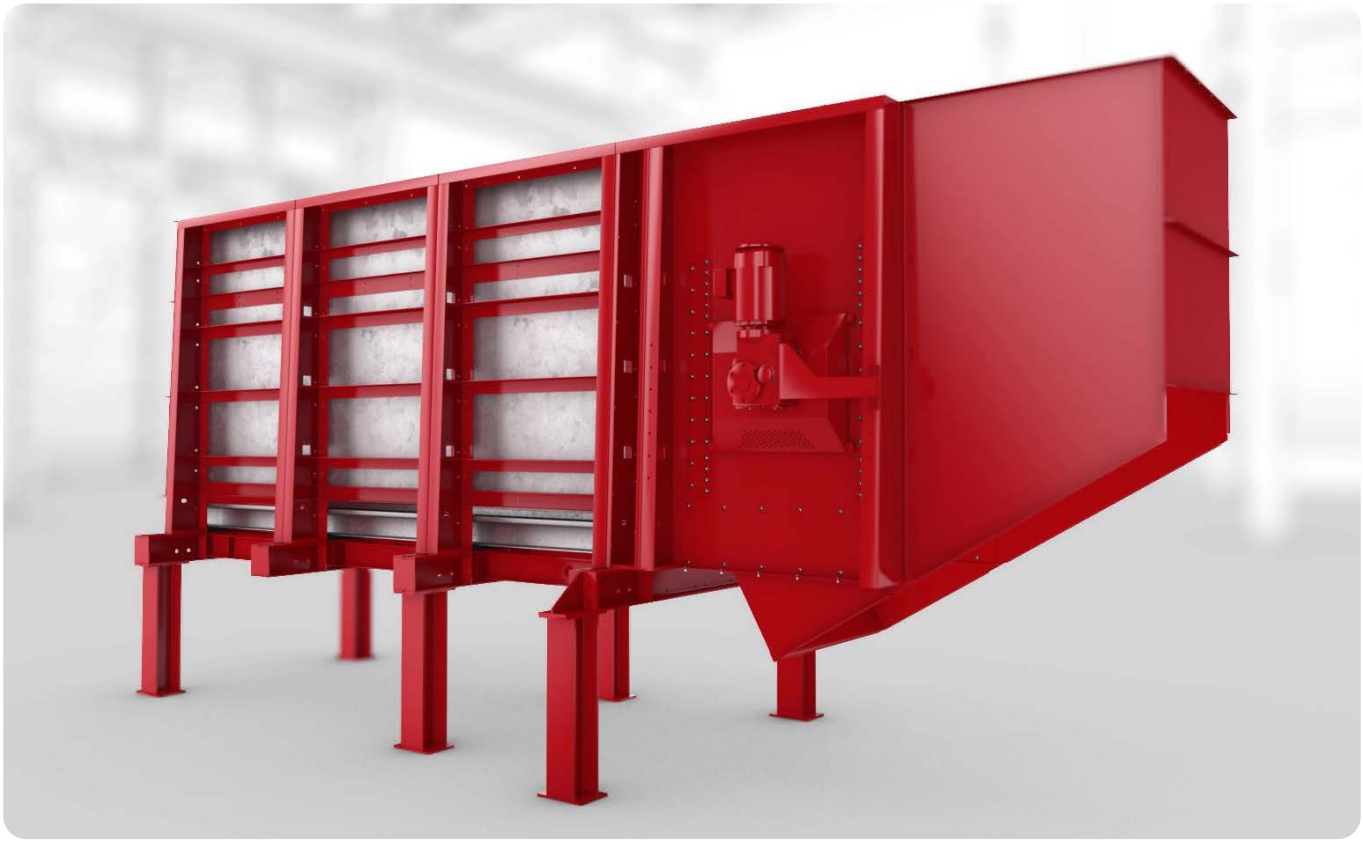
Easy extension of the machine that adds a high value retention to the system.

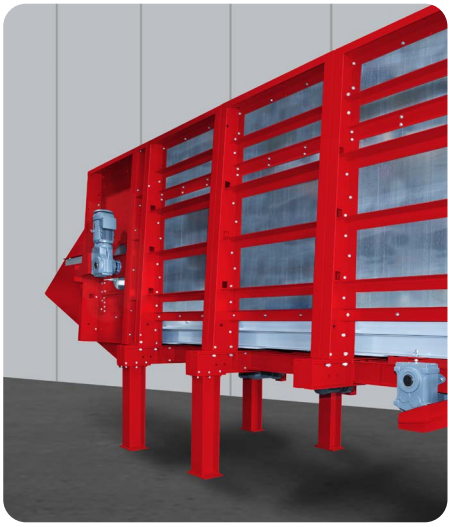
Fast assembly

Designed according to the building kit principle, the MultiFeeder is easily and quickly assembled.

Dimensional flexibility

Volume range = 10-40 m^3
Operation width = 1,200, 1,600 or 2,000 mm
Maximal length = 12,000m





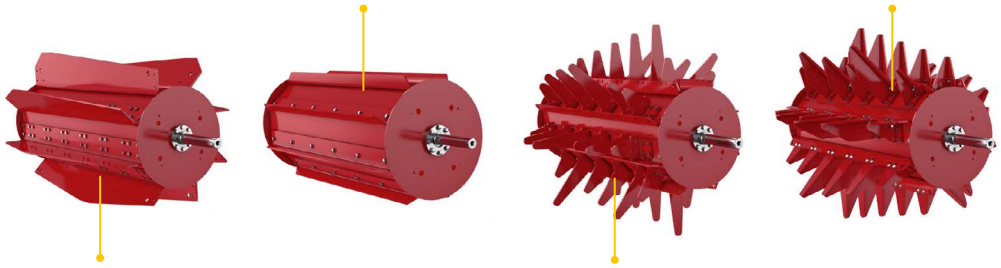
Options

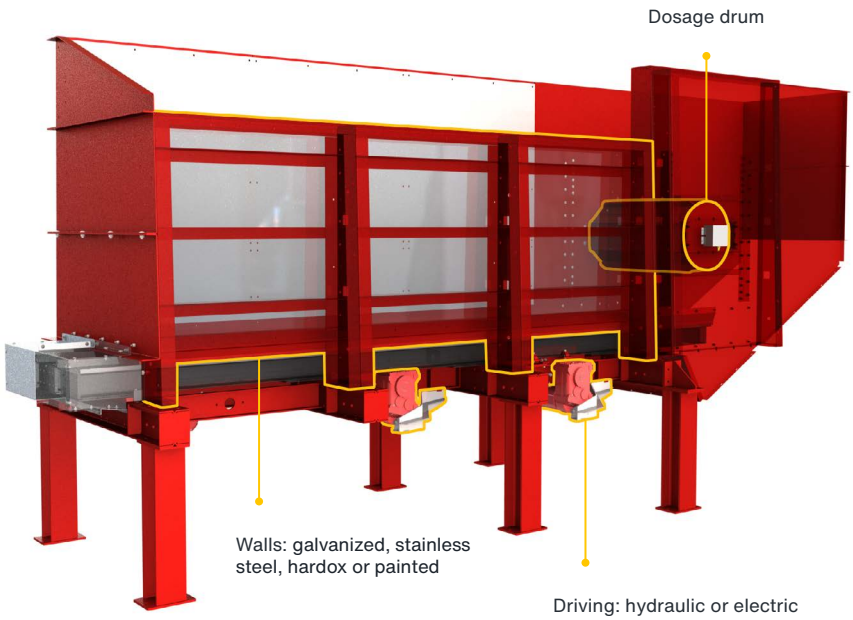
Sizing

- Light: up to 0.3 t/m³
- Medium: up to 0.6 t/m³
- Heavy: up to 1.2 t/m³

Equalisation drums

A dosing roller can be added to ensure an extremely even material feeding even with a full bunker load. Its sealing system prevents materials jams between the casing wall and the drum.



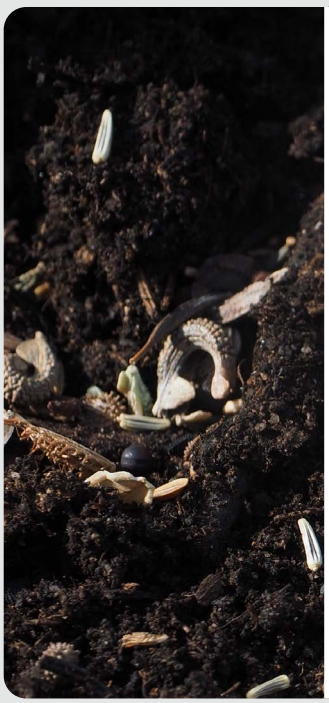


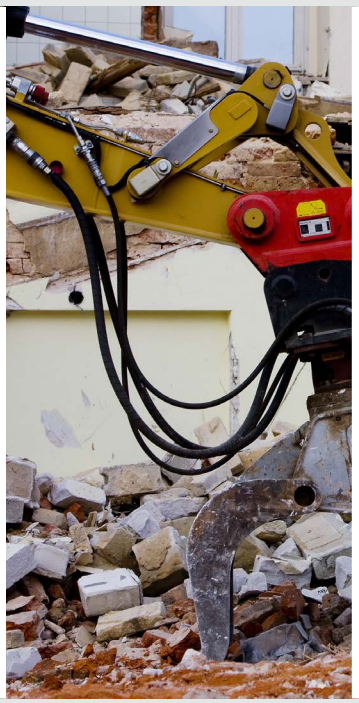
Application examples

Diverse conveyors

The MultiFeeder is available with four different floor designs, depending on the dosed material:

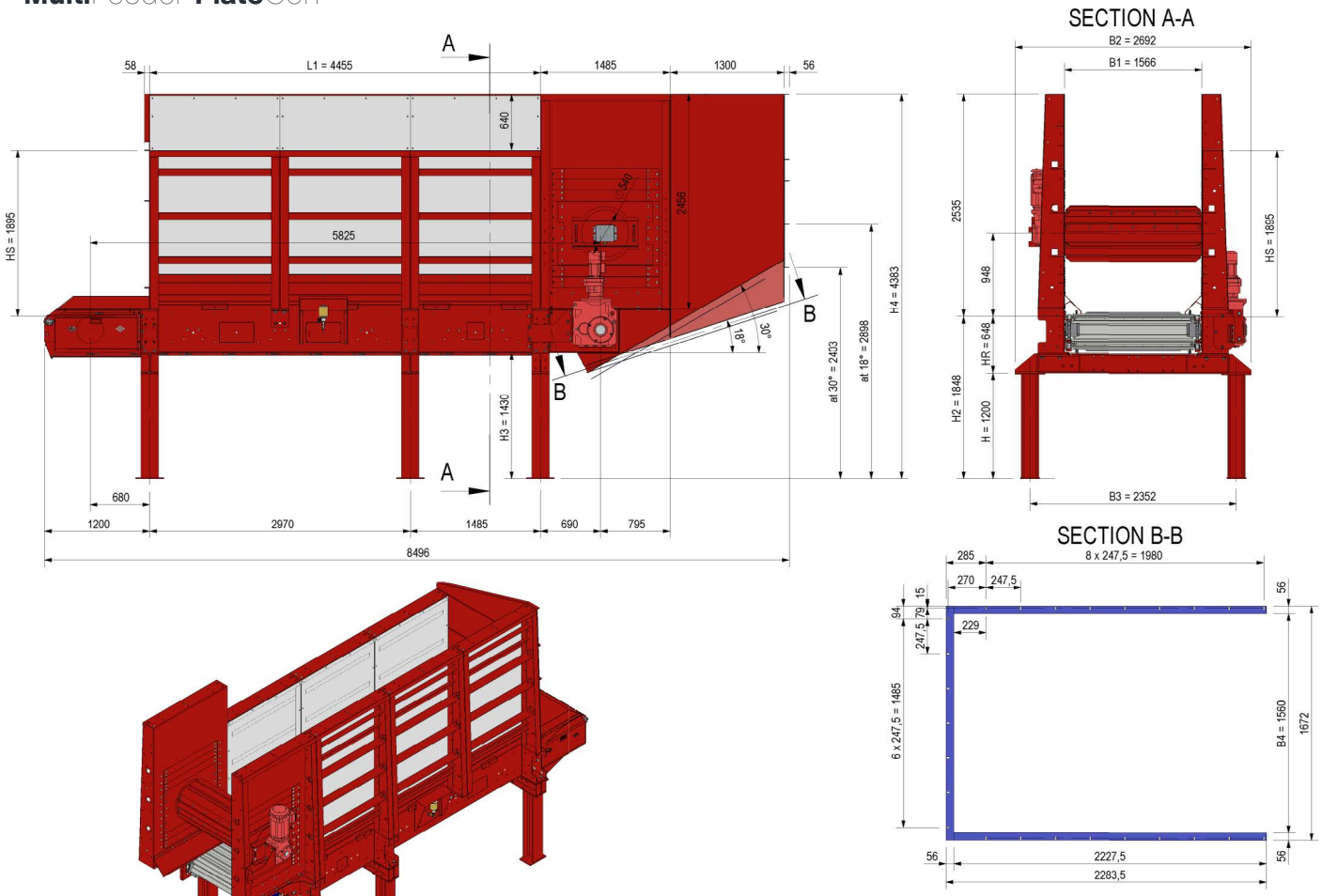
- **Plate**Con: slat conveyor to dose scrap and hot materials (max. 180°C).
- **Chain**Con: chain belt conveyor, perfect for dry bulk materials, such as paper or cardboard.
- **Moving**Floor: conveyor with a push floor feed high loads and high bulk weights.
- **Belt**Con: belt conveyor used for very light materials (foils and PET bottles), sticky and caking materials (soil, clay, organic waste and compost) and fine-grained and dusty materials (construction waste, gravel and sand).

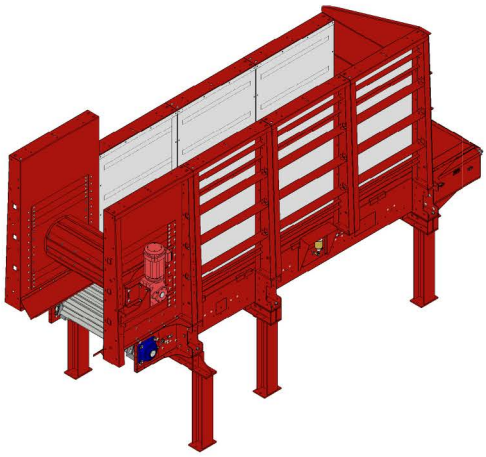




Technical information

MultiFeeder **Plate**Con

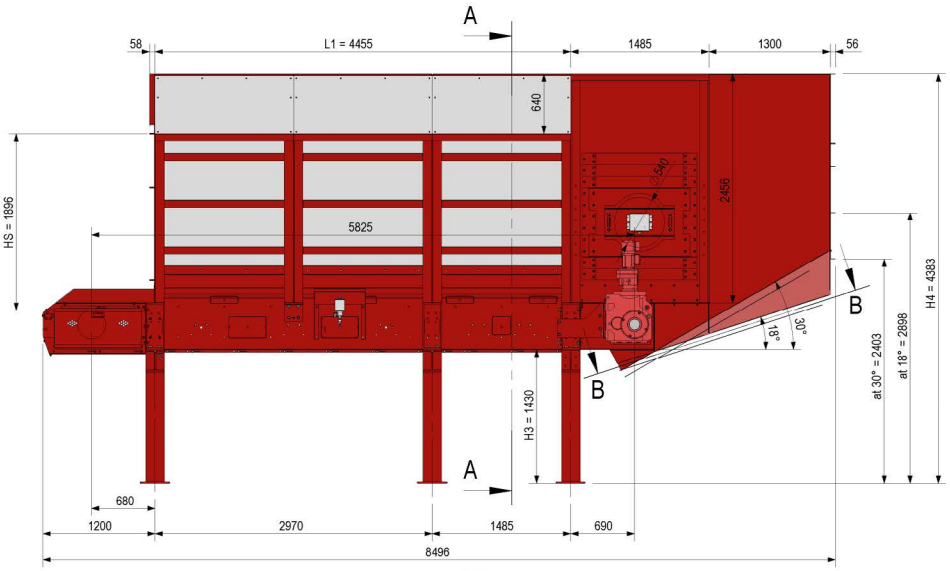


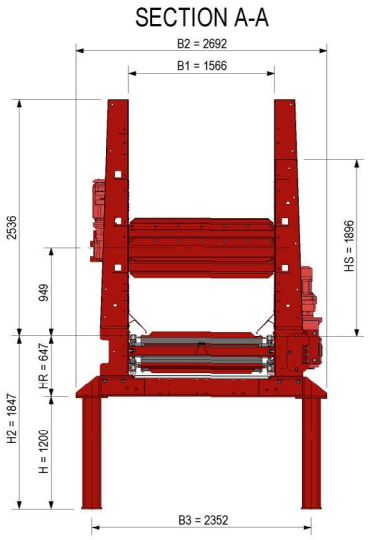


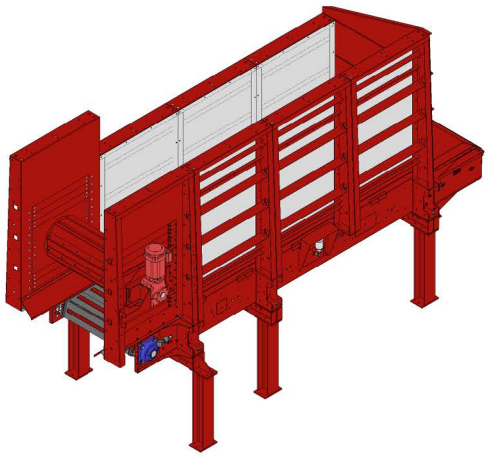
Drawed example:
MultiFeeder PlateCon 1300 L1-H1 with support height 1200 mm

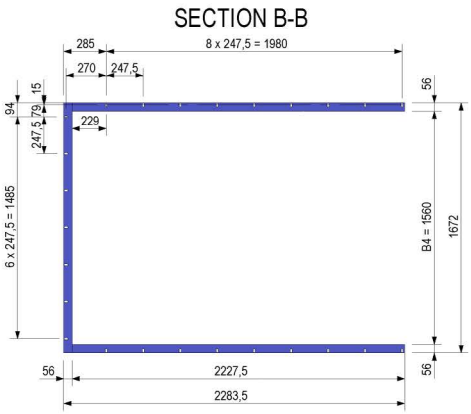
Model	Parameter (mm)		1300 L1-H1	1300 L2-H1	1300 L3-H1	1600 L1-H1	1600 L2-H1	1600 L3-H1	2000 L1-H1	2000 L2-H1	2000 L3-H1	2000 L1-H2	2000 L2-H2	2000 L3-H2
V	Calculatory volume (cbm) L1 x B1 x HS		13	17	22	15	21	26	19	25	31	25	34	42
L1	Bunker length		4455	5940	7425	4455	5940	7425	4455	5940	7425	4455	5940	7425
BG	Width of belt		1300	1300	1300	1600	1600	1600	2000	2000	2000	2000	2000	2000
B1	Bunker internal width		1566	1566	1566	1866	1866	1866	2266	2266	2266	2266	2266	2266
B2	External dimensions over everything		2692	2692	2692	2992	2992	2992	3392	3392	3392	3392	3392	3392
B3	Support distance		2352	2352	2352	2652	2652	2652	3052	3052	3052	3052	3052	3052
B4	Internal dimensions flange		1560	1560	1560	1860	1860	1860	2260	2260	2260	2260	2260	1260
HS	Side wall height from superstructure plates		1895	1895	1895	1895	1895	1895	1895	1895	1895	2535	2535	2535
HR	Height		648	648	648	648	648	648	648	648	648	648	648	648
H	Support height 600	H2	1248	1248	1248	1248	1248	1248	1248	1248	1248	1248	1248	1248
		H3	830	830	830	830	830	830	830	830	830	830	830	830
		H4	3783	3783	3783	3783	3783	3783	3783	3783	3783	3783	3783	3783
	Support height 800	H2	1448	1448	1448	1448	1448	1448	1448	1448	1448	1448	1448	1448
		H3	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
		H4	3983	3983	3983	3983	3983	3983	3983	3983	3983	3983	3983	3983
	Support height 1000	H2	1648	1648	1648	1648	1648	1648	1648	1648	1648	1648	1648	1648
		H3	1230	I230	230	1230	1230	I230	1230	1230	1230	230	1230	1230
		H4	4183	4183	4183	4183	4183	4183	4183	4183	4183	4183	4183	4183
	Support height 1200	H2	1848	1848	1848	1848	1848	1848	1848	1848	1848	1848	1848	1848
		H3	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430
		H4	4383	4383	4383	4383	4383	4383	4383	4383	4383	4383	4383	4383

MultiFeeder ChainCon





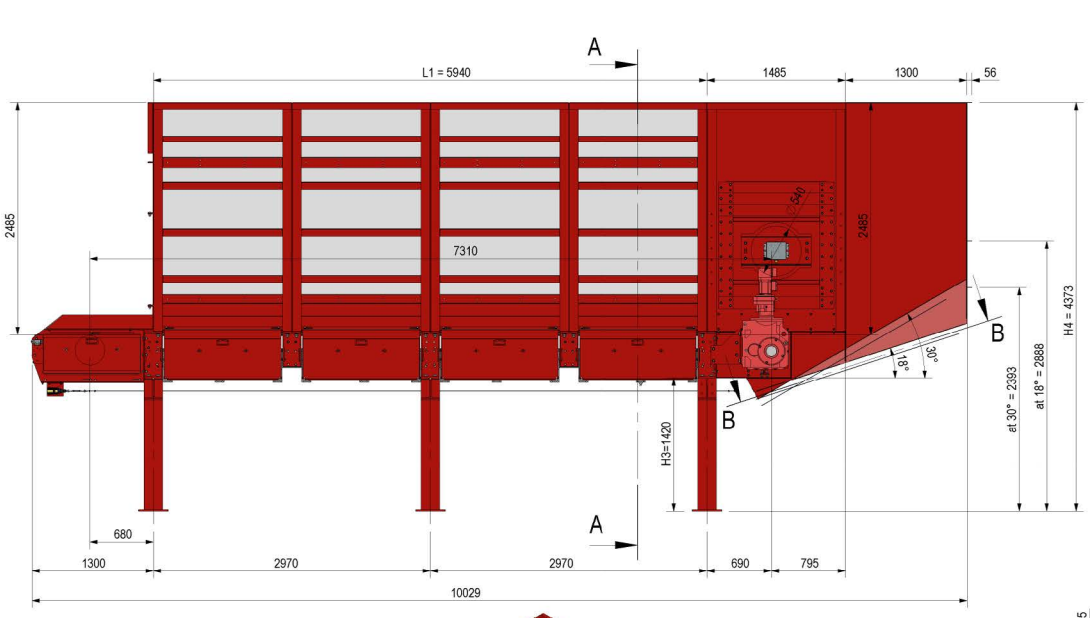




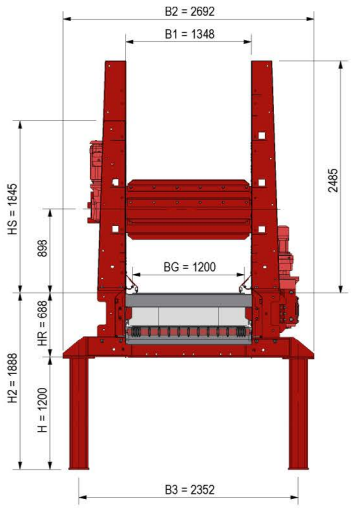
Drawed example:
MultiFeeder ChainCon 1300 L1-H1 with support height 1200 mm

Model	Parameter (mm)		1300 L1-H1	1300 L2-H1	1300 L3-H1	1600 L1-H1	1600 L2-H1	1600 L3-H1	2000 L1-H1	2000 L2-H1	2000 L3-H1	2000 L1-H2	2000 L2-H2	2000 L3-H2
V	Calculatory volume (cbm) L1 x B1 x HS		13	17	22	15	21	26	19	25	31	25	34	42
L1	Bunker length		4455	5940	7425	4455	5940	7425	4455	5940	7425	4455	5940	7425
BG	Width of belt		1300	1300	1300	1600	1600	1600	2000	2000	2000	2000	2000	2000
B1	Bunker internal width		1566	1566	1566	1866	1866	1866	2266	2266	2266	2266	2266	2266
B2	External dimensions over everything		2692	2692	2692	2992	2992	2992	3392	3392	3392	3392	3392	3392
B3	Support distance		2352	2352	2352	2652	2652	2652	3052	3052	3052	3052	3052	3052
B4	Internal dimensions flange		1560	1560	1560	1860	1860	1860	2260	2260	2260	2260	2260	2260
HS	Side wall height from superstructure plates		1896	1896	1896	1896	1896	1896	1896	1896	1896	2536	2536	2536
HR	Height		647	647	647	647	647	647	647	647	647	647	647	647
H	Support height 600	H2	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247
		H3	830	830	830	830	830	830	830	830	830	830	830	830
		H4	3793	3793	3793	3793	3793	3793	3793	3793	3793	3793	3793	3793
	Support height 800	H2	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447	1447
		H3	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
		H4	3983	3983	3983	3983	3983	3983	3983	3983	3983	3983	3983	3983
	Support height 1000	H2	1647	1647	1647	1647	1647	1647	1647	1647	1647	1647	1647	1647
		H3	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230
		H4	4183	4183	4183	4183	4183	4183	4183	4183	4183	4183	4183	4183
	Support height 1200	H2	1847	1847	1847	1847	1847	1847	1847	1847	1847	1847	1847	1847
		H3	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430
		H4	4383	4383	4383	4383	4383	4383	4383	4383	4383	4383	4383	4383

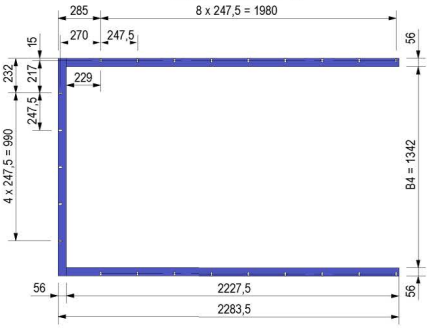
MultiFeeder **Belt**Con

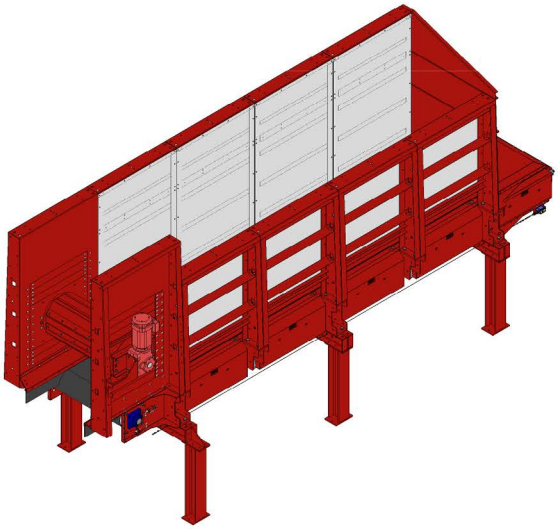


SECTION A-A



SECTION B-B

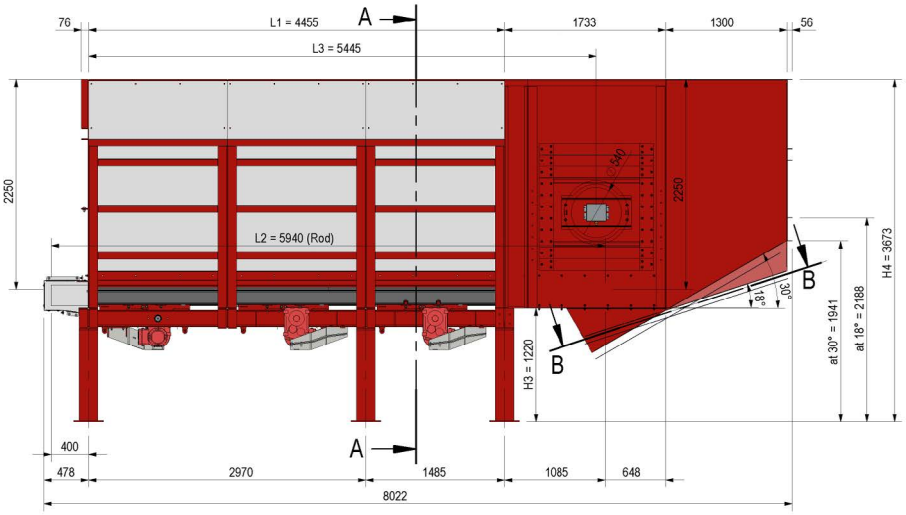


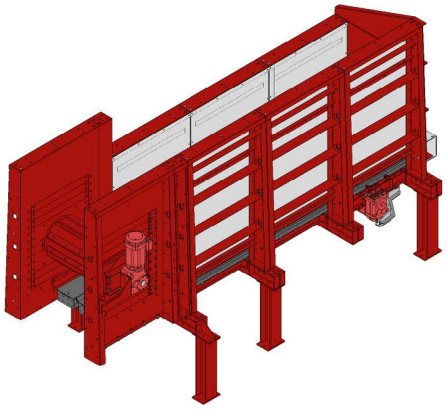


Drawed example:
MultiFeeder BeltCon 1200 L1-H1 with support height 1200 mm

Model	Parameter (mm)		1200 L1-H1	1200 L2-H1	1200 L3-H1	1600 L1-H1	1600 L2-H1	1600 L3-H1	2000 L1-H1	2000 L2-H1	2000 L3-H1	2000 L1-H2	2000 L2-H2	2000 L3-H2
V	Calculatory volume (cbm) L1 x B1 x HS		14	18	22	19	23	28	23	29	35	31	39	47
L1	Bunker length		5940	7425	8910	5940	7425	8910	5940	7425	8910	5940	7425	8910
BG	Width of belt		1200	1200	1200	1600	1600	1600	2000	2000	2000	2000	2000	2000
B1	Bunker internal width		1348	1348	1348	1748	1748	1748	2148	2148	2148	2148	2148	2148
B2	External dimensions over everything		2692	2692	2692	3092	3092	3092	3492	3492	3492	3492	3492	3492
B3	Support distance		2352	2352	2352	2752	2752	2752	3152	3152	3152	3152	3152	3152
B4	Internal dimensions flange		1342	1342	1342	1742	1742	1742	2142	2142	2142	2142	2142	2142
HS	Side wall height from superstructure plates		1845	1845	1845	1845	1845	1845	1845	1845	1845	2485	2485	2485
HR	Height		688	688	688	688	688	688	688	688	688	688	688	688
H	Support height 600	H2	1288	1288	1288	1288	1288	1288	1288	1288	1288	1288	1288	1288
		H3	820	820	820	820	820	820	820	820	820	820	820	820
		H4	3773	3773	3773	3773	3773	3773	3773	3773	3773	3773	3773	3773
	Support height 800	H2	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488	1488
		H3	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
		H4	3973	3973	3973	3973	3973	3973	3973	3973	3973	3973	3973	3973
	Support height 1000	H2	1688	1688	1688	1688	1688	1688	1688	1688	1688	1688	1688	1688
		H3	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220
		H4	4173	4173	4173	4173	4173	4173	4173	4173	4173	4173	4173	4173
	Support height 1200	H2	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888
		H3	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420
		H4	4373	4373	4373	4373	4373	4373	4373	4373	4373	4373	4373	4373

MultiFeeder MovingFloor





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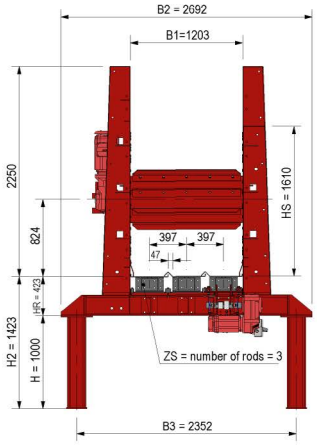
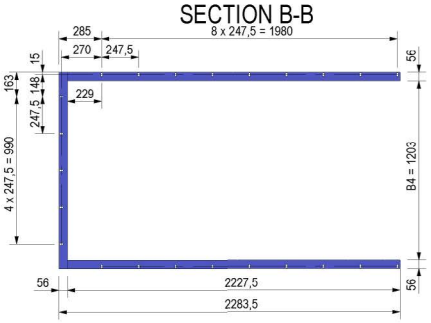


SECTION B-B



Drawed example:
MultiFeeder MovingFloor 3 Rods L1-H1 with support height 1000 mm

Model	Parameter (mm)		3 Rods L1-H1	3 Rods L2-H1	4 Rods L1-H1	4 Rods L2-H1	5 Rods L1-H1	5 Rods L2-H1	5 Rods L1-H2	5 Rods L2-H2
V	Calculatory volume (cbm) L3 x B1 x HS		10	16	14	21	17	27	24	37
L1	Bunker length		4455	7425	4455	7425	4455	7425	4455	7425
L2	Rod length		5940	8910	5940	8910	5940	8910	5940	8910
L3	Length of filling		5445	8415	5445	8415	5445	8415	5445	8415
ZS	Number of rods		3	3	4	4	5	5	5	5
B1	Bunker internal width		1203	1203	1600	1600	1997	1997	1997	1997
B2	External dimensions over everything		2692	2692	2992	2992	3392	3392	3392	3392
B3	Support distance		2352	2352	2652	2652	3052	3052	3052	3052
B4	Internal dimensions flange		1203	1203	1503	1503	1903	1903	1903	1903
HS	Side wall height from superstructure rods		1610	1610	1610	1610	1610	1610	2250	2250
HR	Height		423	423	423	423	423	423	423	423
H	Support height 600	H2	1023	1023	1023	1023	1023	1023	1023	1023
		H3	820	820	820	820	820	820	820	820
		H4	3273	3273	3273	3273	3273	3273	3273	3273
	Support height 800	H2	1223	1223	1223	1223	1223	1223	1223	1223
		H3	1020	1020	1020	1020	1020	1020	1020	1020
		H4	3473	3473	3473	3473	3473	3473	3473	3473
	Support height 1000	H2	1423	1423	1423	1423	1423	1423	1423	1423
		H3	1220	1220	1220	1220	1220	1220	1220	1220
		H4	3673	3673	3673	3673	3673	3673	3673	3673
	Support height 1200	H2	1623	1623	1623	1623	1623	1623	1623	1623
		H3	1420	1420	1420	1420	1420	1420	1420	1420
		H4	3873	3873	3873	3873	3873	3873	3873	3873

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