

#MADE IN GERMANY

CUTTING-EDGE TECHNOLOGY

FOR SHEET METAL PROCESSING



STRAIGHTENING AND SYSTEM TECHNOLOGY

FOR THE HIGHEST
QUALITY
STANDARDS.

We are an owner-managed, medium-sized family business based in Friesenheim (Baden) and develop, manufacture and assemble customer-specific machines and systems for sheet metal processing with around 35 employees.

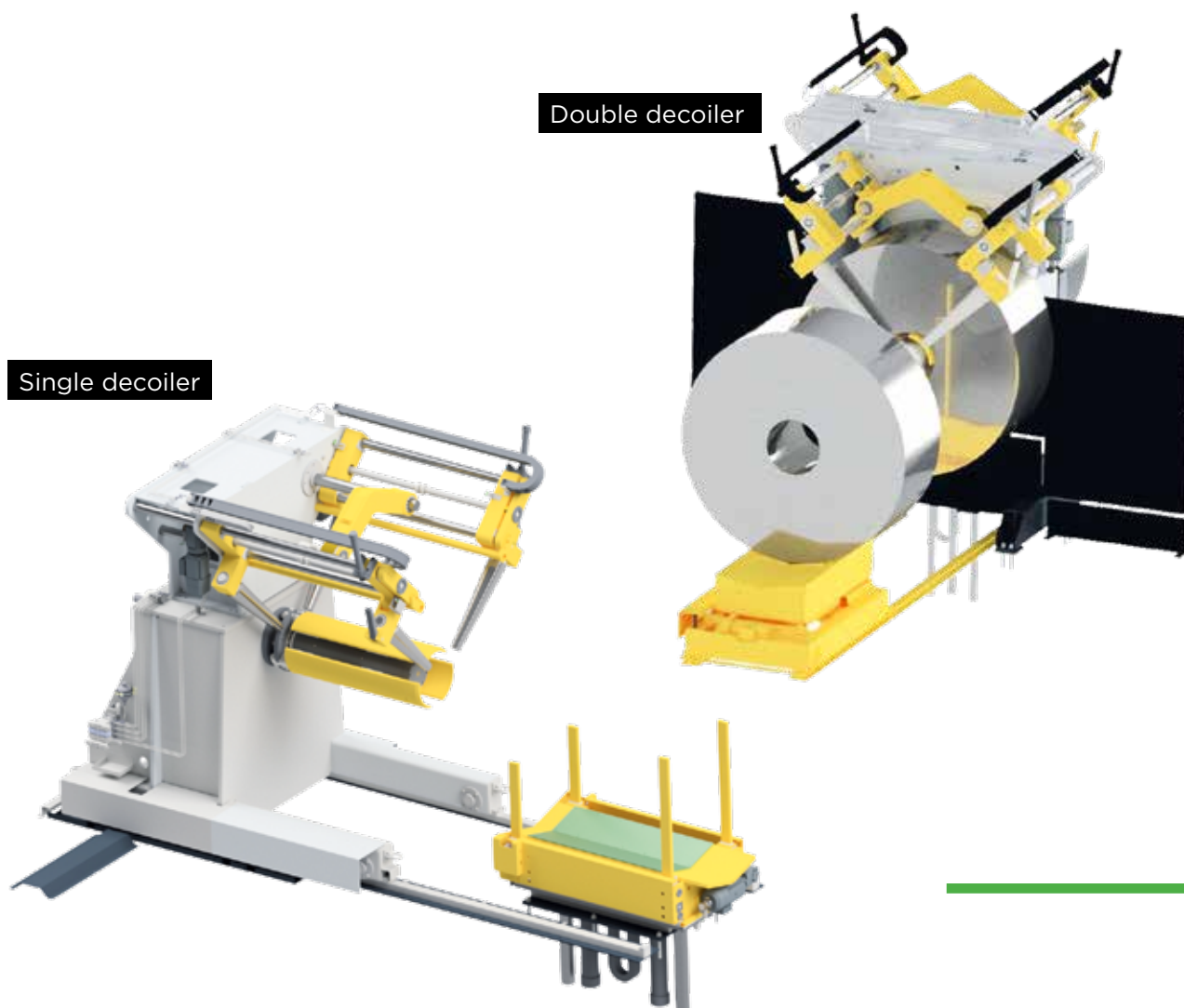
Our team creates machines for the areas of unwinding, straightening, welding, feeding and cutting with dedication and enthusiasm. The knowledge gained from these areas of application and our innovative strength form the basis of our developments and allow us to take a fresh look at the subject of straightening and plant technology.

The basis for this is over 60 years of experience in the field of straightening technology.

In addition to development and system construction, we also offer a wide range of services. This includes the associated service for our customers, as well as the option of purchasing spare parts from us. Maintenance and the modernization of older systems are also included.

”THERE IS A BIG
DIFFERENCE.”
LORENZ GMBH ANLAGENTECHNIK

LORENZ DECOILER



Type	Load capacity KN	Belt width max. mm	Number of spreading segments pieces	Inner diameter min. mm	Outer diameter
H 300	3	220	4	300 - 500	1000
H 1000	10	600	3	280 - 330	1000/1200/1500
H 2000	20	800	3	370 - 420	1200/1500/1800
H 3000	30	1000	3	380 - 420	1500/1800/2000
H 5000	50	1000	3	470 - 520	1500/1800/2000
H 8000	80	1000	3	470 - 520	1500/1800/2000
H 10000	100	1500	3	470 - 520	1500/1800/2000
H 12000	120	1500	3	470 - 520	1500/1800/2000
H 15000	150	2000	3	470 - 520	1500/1800/2000
H 20000	200	2000	3	480 - 520, 460 - 640	1500/1800/2000
H 25000	250	2000	3	480 - 520, 460 - 640	1500/1800/2000
H 30000	300	2000	3	480-640	1500/1800/2000

Manual expansion



Lateral movement



Cone rollers



Hydraulic expansion



Protective ring



Coil loading chair



Pneumatic brake



Attachment arms



Base frame



Regenerative brake



Here you will find further information on the LORENZ single or double decoilers.

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HORIZONTAL DECOILER

Horizontal decoiler



Type	Load capacity KN	strip width max. mm	Outside diameter max. mm	Loading height max. mm	Speed max. m/min
LH 1500	15	220	2000	500	40
LH 3000	30	220	2000	800	40
LH 5000	50	220	2000	800	40

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COMPACT DECOILER



Coiler type	Load capacity KN	strip width max. mm	Straightening head type piece	Material thickness mm	Outside diameter max. mm
HM 1500	15	160	RK30 /160.9	0,3 - 1,5	1500
HM 1500	15	160	RK18 /120.19	0,2 - 2,0	1500
HM 1500	15	160	RK24 /120.19	0,3 - 3,0	1500
HM 2000	15	160	RK30 /160.9	0,3 - 1,5	1500
HM 2000	15	160	RK18 /120.19	0,2 - 2,0	1500
HM 2000	15	160	RK24 /120.19	0,3 - 3,0	1500

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COMPACT LEVELERS

Compact leveler



Type	Roller diameter mm	Strip thickness min. mm	Number of rollers	Strip widths Standard
12/120	15	1	19	120
18/120	30	2	19	120
24/120	50	3	19	120

All-roller drive



Block roller adjustment

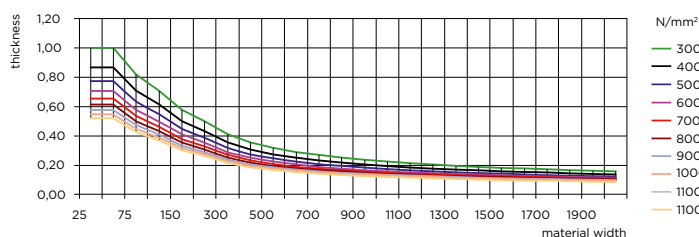


Quick change device



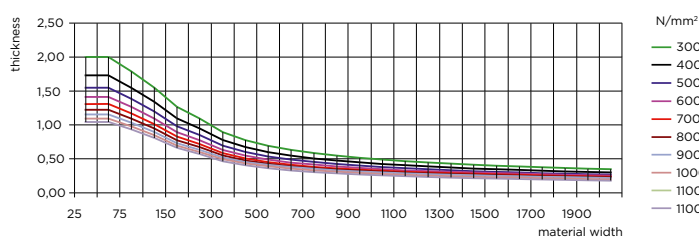
Load diagram type 12/120

Type 12/120 Material thickness 0.2 - 1mm



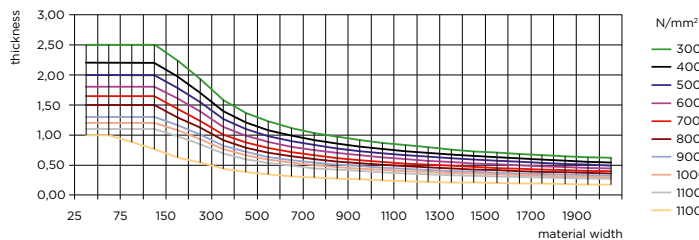
Load diagram type 18/120

Type 18/120 Material thickness 0.3 - 2mm



Load diagram type 24/120

Type 24/120 Material thickness 0.4 - 3mm



Here you will find further information on the LORENZ Compact levelers.

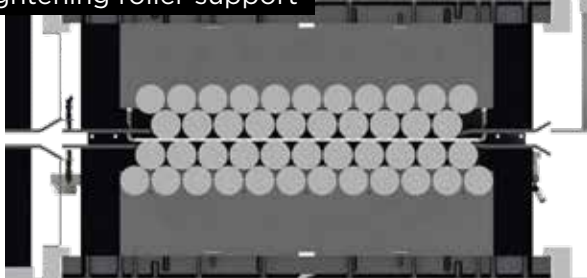
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HIGH-PERFORMANCE LEVELERS



Type	Roller diameter mm	Strip thickness min.	max.	Number of rollers pieces	Standard strip widths mm	Support
10	10	0,1	0,5	19	120, 220	Support rollers
12	12	0,2	1,0	19	120, 220	Support rollers
15	15	0,3	1,2	19	120, 220	Support rollers
18	18	0,3	2,0	9/19	160, 320, 420	Support rollers
24	24	0,4	3,0	9/21	220, 420, 520	Support rollers
30	30	0,4	4,0	9/21	220, 420, 620, 820, 1020, 1320	Support rollers
40	40	0,5	5,0	9/11/21	220, 420, 620, 820, 1020, 1320, 1520	Support rollers
50	50	0,6	7,0	9/11/21	220, 420, 620, 820, 1020, 1520, 2020	Support rollers
65	65	1,0	10,0	9/11/21	420, 620, 820, 1020, 1520, 2020	Support rollers
80	80	1,5	18,0	9/11/21	420, 620, 820, 1020, 1520, 2020	Support rollers
100	100	2,0	26,0	9/11/21	420, 620, 820, 1020, 1520, 2020	Support rollers
130	130	3,0	38,0	9/11/21	1020, 1520, 2020, 2520	Support rollers
160	160	5,0	56,0	9/11/17	1020, 1520, 2020, 2520	Support rollers
200	200	3,0	65,0	9/11/15	1020, 1520, 2020, 2520	Support rollers

Straightening roller support



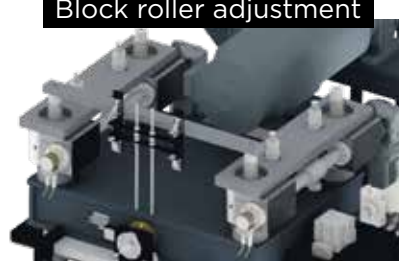
Strip side guide



All roll drive



Block roller adjustment



2-roll strip take-off



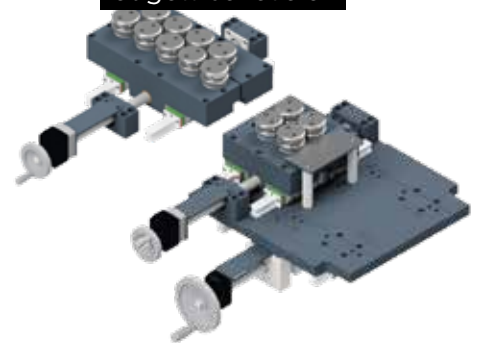
Spiral grooved intermediate rollers



Infeed aid



edgewise leveler



Extended quick-change device



Here you can find more information about the LORENZ high performance levelers.

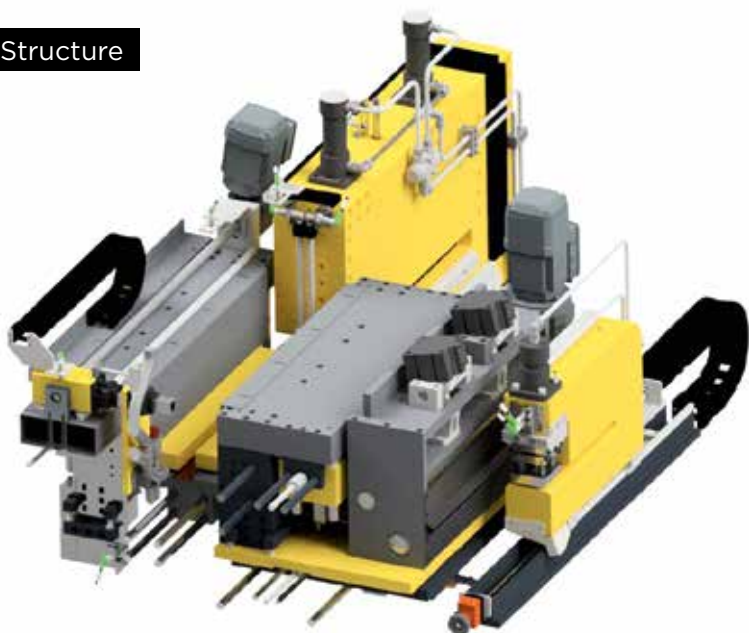
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COIL END WELDING MACHINES

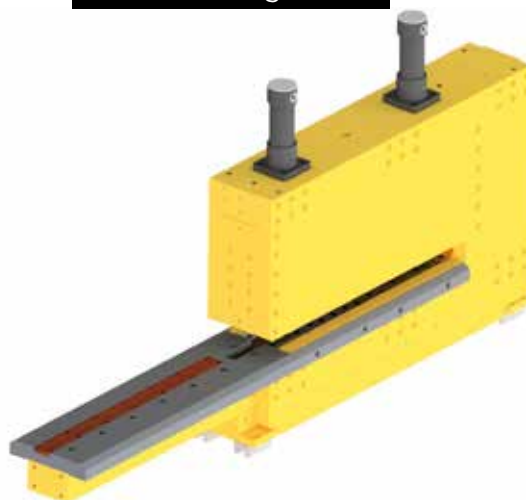


Type	Strip width mm min.	max.	strip thickness mm min.	max.	Shear angle (°)	strip take-off type	strip widths mm
BS2	10	2020	0,2	2	3	BA 100	200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000
BS4	10	2020	0,5	4	3	BA 120	200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000
BS6	20	2020	0,5	6	3	BA 160	200, 400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000

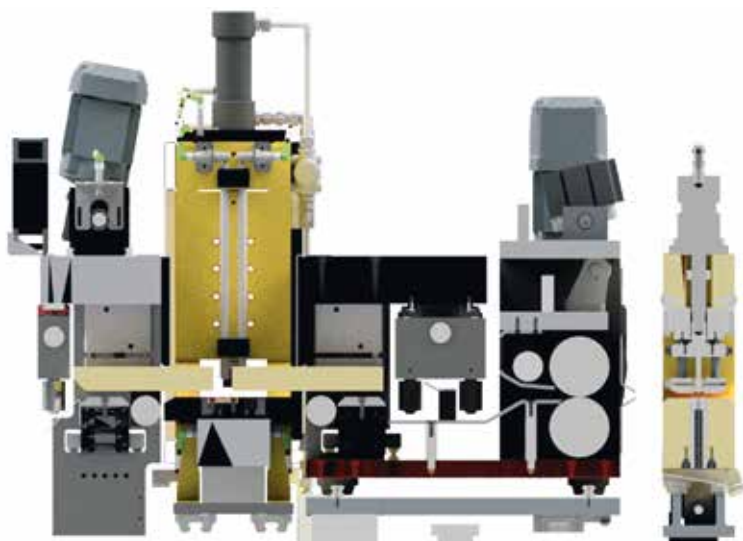
Structure



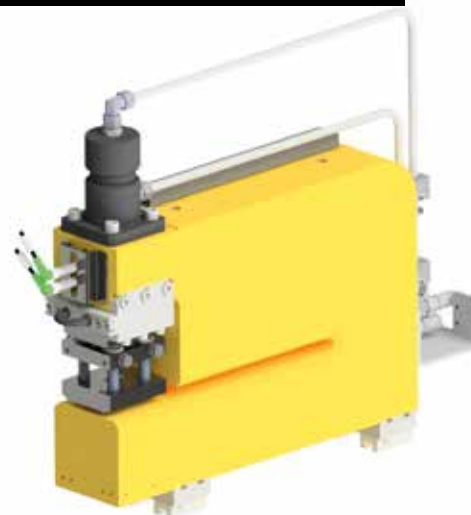
Double cutting shears



Function overview



Hole punch for scrap detection



Here you can find more information about the LORENZ coil end welding machines.

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ROLLER FEEDS



Type	Strip width		Strip thickness		Cross section max. mm ²	Pilot lifting max. mm	Height adjustment +/- mm	Feed accuracy +/- mm	Stroke rate max./min	Pilot lifting
	min. mm	max.	min. mm	max.						
WVE 60	10	220	0,2	2	200	4	100	0,05	800	hydraulic
WVE 80	20	420	0,3	4	480	6	100	0,05	800	hydraulic
WVE 100	20	420	0,3	4	600	6	100	0,05	500	hydraulic
WVE 120	30	1320	0,5	6	2600	8	150	0,05	400	hydraulic
WVE 160	50	1520	1,0	8	6000	10	200	0,05	300	hydraulic
WVE 200	50	2020	2,0	12	8000	14	200	0,05	200	hydraulic

Roller support



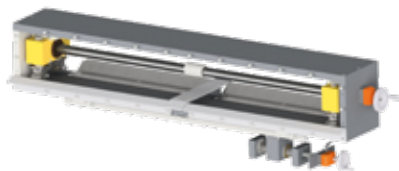
Drive unit



Set-up flap



Strip side guide



Strip oiler holder



Measuring wheel assembly



Backstop



Measuring wheel assembly



Here you can find more information about the LORENZ roller feeds.

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STRIP LOOPS



Design of the strap loop according to the strap thickness

Calculation of radius = belt thickness x modulus of elasticity / 2 x yield strength

strip guide with ultrasonic control



Height adjustment



Strip transfer with laser control



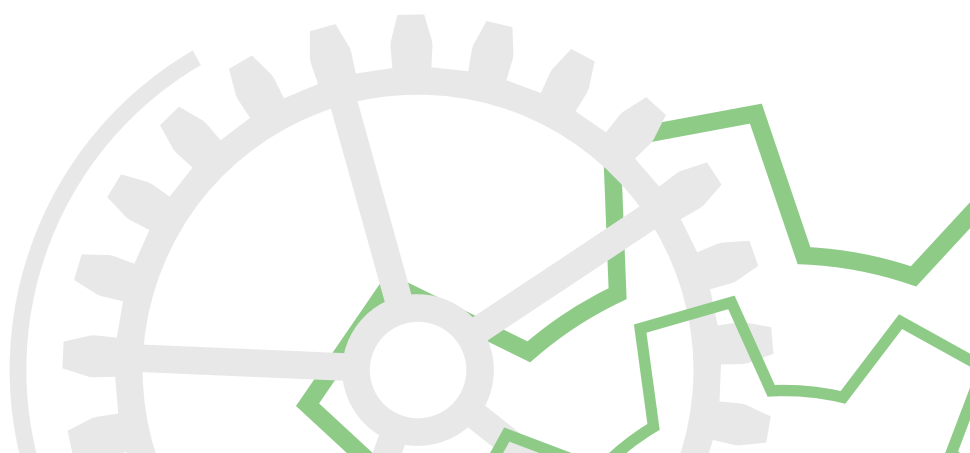
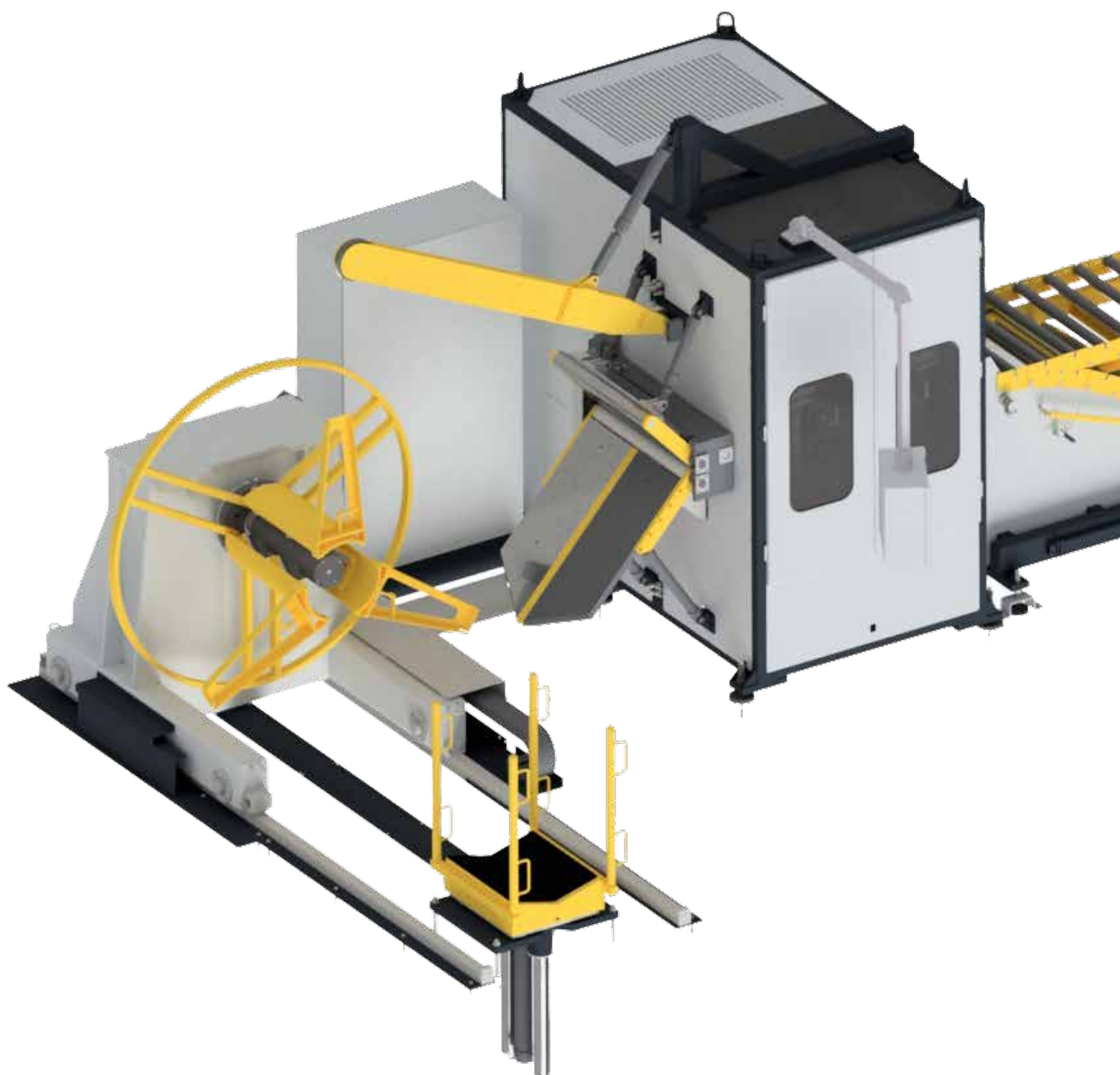
Strip side guide



Here you can find more information about the LORENZ end of line welding machines.

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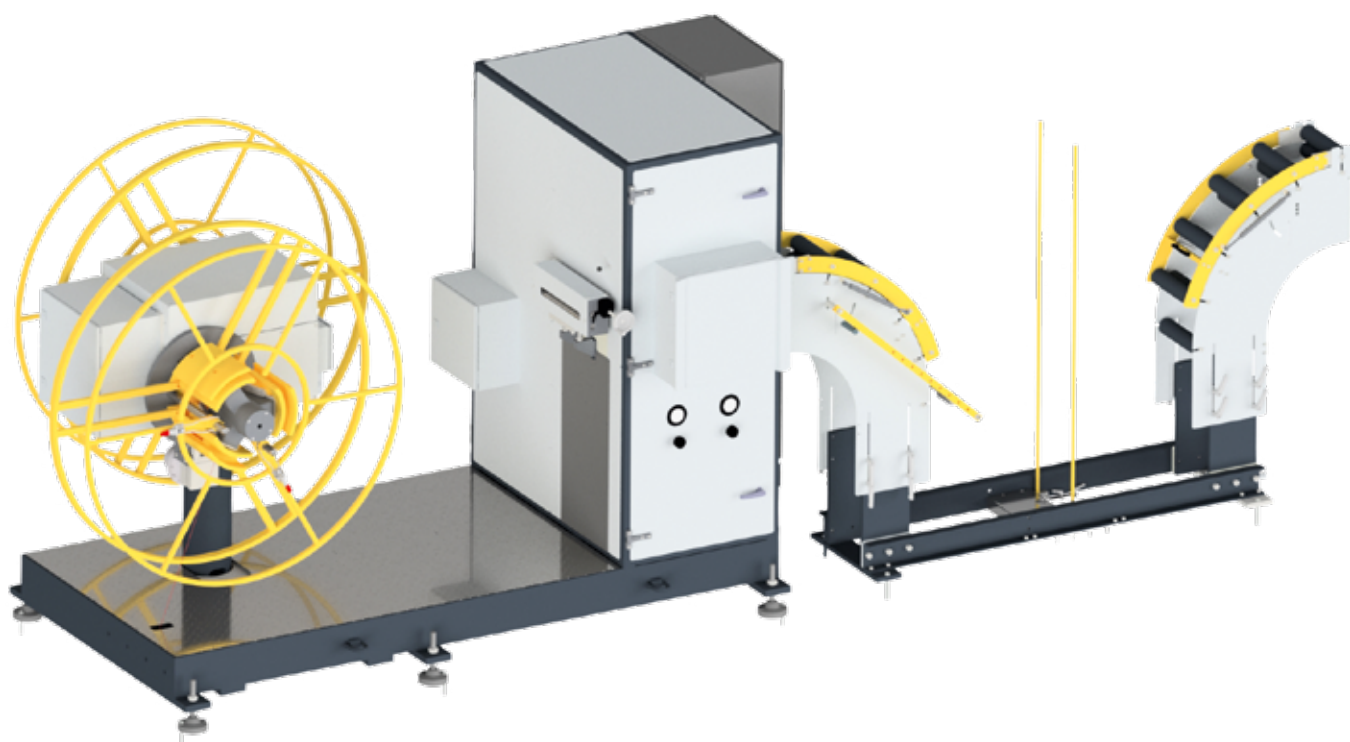
LINE EXAMPLES



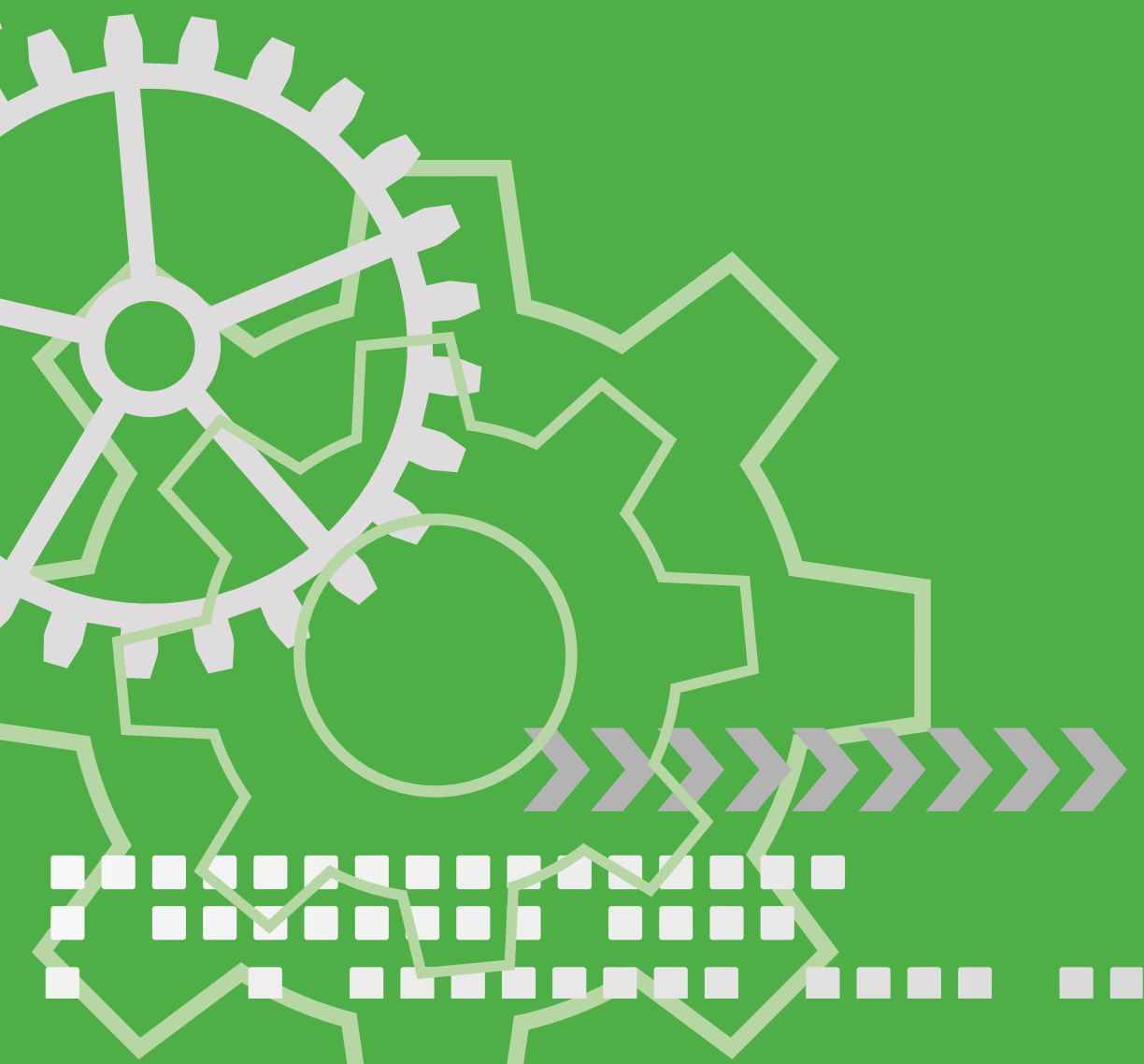


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LINE EXAMPLES







” WITH LORENZ INTO
THE FUTURE
OF STRAIGHTENING
TECHNOLOGY! “

Your partner for

Decoilers

Levelers

Strip end welding machines

Roller feeds

Slitting shears

Special systems for sheet metal processing

