



LINEAr

PRESS BRAKE

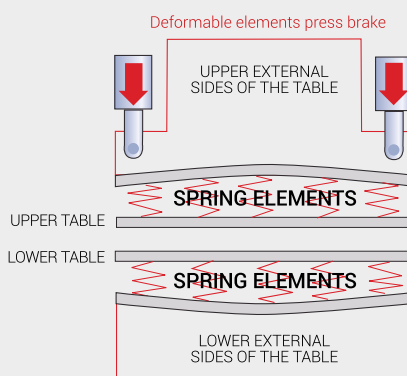
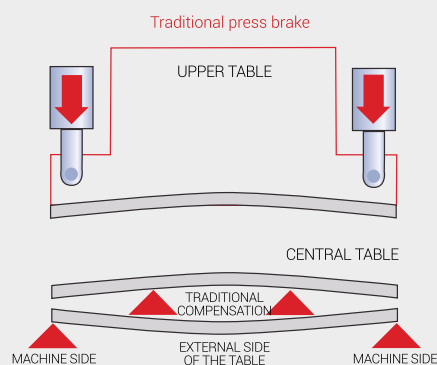
efficiency
Optimized bending process
for guaranteed energy savings

UNDEFORMABLE BENDING STRENGTH

LineAr is SCHIAVI's line of big machines, designed for the processing of sheet metal of large dimensions and thicknesses. LineAr press brakes are synonym of great strength and excellent bending quality. The bending precision is guaranteed **without** any external crowning systems. The rigorous centering and alignment of the beams, is ensured by 4 pairs of bearings (upper and lower), placed at great distance, that slide on treated and rectified steel tracks. The CNC control offers the possibility of determining, memorizing and controlling the necessary parameters required to realize the bend; this procedure guarantees an automated bending process and the affidability of the press brake. Thanks to an innovative construction principle, **patented internationally**, many models of the LineAr lineup, despite their large dimension, do not require foundations.

THE ADVANTAGES OF THE SYSTEM

The **upper and lower beam are patented internationally**. This patent holds an ingenious system that makes LineAr press brakes the benchmark of the market. This entire system, more compact if compared to the traditional press brake, maintains the beams parallel to each other without undergoing deformations; the result is a perfectly straight bend. This innovative system is composed by a three-beam "sandwich", in which the middle beam remains horizontal and unloads the bending forces on the two lateral beams. Therefore, the upper and lower beam holding the tools, are parallel along the entire machine length. **Furthermore, welds are reduced to a minimum facilitating the shipment of the press brake.**



**NATURAL
CROWNING
SYSTEM**

**CROWNING
FREE
SYSTEM**

Schiavi

Since 1958

TECHNICAL SPECIFICATIONS

LineAr		320.30 LineAr-s	320.40 LineAr-s	200.50	200.60	250.60	250.80	320.60	320.80	400.40	400.60	400.70
Bending force	kN	3200	3200	2000	2000	2500	2500	3200	3200	4000	4000	4000
Length of the tables	mm	3400	4400	5100	6200	6200	8200	6200	8200	4200	6200	7200
Max Open Height	mm	600	600	500	500	500	500	600	600	600	600	600
Max stroke	mm	300	300	250	250	250	250	300	300	300	300	300
Working level height	mm	1015	1015	1020	1020	1020	1020	1000	940	990	1020	1020
Throat depth	mm	400	400	320	320	320	350	350	350	520	520	520
Distance between columns	mm	2700	3760	4520	5520	5520	7520	5520	7520	3520	5520	6520
Max length	mm	4500	5500	6200	7200	7200	9200	7400	9400	5400	7400	8400
Width	mm	2310	2120	1600	1600	1700	2000	2000	2160	1900	2015	2015
Height	mm	3680	3680	3500	3500	3570	3820	4000	4040	3850	4100	4100
Columns height	mm	3500	3500	3210	3210	3230	3510	3625	3690	3495	3725	3725
Underground section beam	mm	-	-	-	-	-	300	-	750	-	-	450
Underground section column	mm	-	-	-	-	-	-	-	-	-	-	-
Weight	kg	21000	26000	20000	27000	30000	45000	36000	60000	27500	40000	55000
Nr. of intermediates	n.	17	22	25	31	31	41	31	41	21	31	36
Approach speed	mm/sec	140	140	160	160	160	140	120	120	160	140	120
Working speed min. - max	mm/sec	8	8	9	9	8	8	8	8	9	8	8
Return speed	mm/sec	80	80	80	80	80	80	80	60	120	100	60
Motor power	kW	30	30	15	15	15	15	30	30	37	37	37

LineAr		400.80	630.40	630.60	630.70	630.80	800.80	1000.80	1000.100	1200.100	1200.120
Bending force	kN	4000	6300	6300	6300	6300	8000	10000	10000	12000	12000
Length of the tables	mm	8200	4200	6200	7200	8200	8200	8300	10300	10300	12300
Max Open Height	mm	600	750	750	750	750	750	900	900	900	900
Max stroke	mm	300	400	400	400	400	400	400	400	400	400
Working level height	mm	1020	1010	905	905	905	910	910	910	820	820
Throat depth	mm	520	520	520	520	520	520	520	520	520	520
Distance between columns	mm	7520	3520	5520	6520	7520	7520	7520	9520	9520	11520
Max length	mm	9400	5700	7700	8700	9700	9700	9700	11700	11700	13700
Width	mm	2015	2450	2450	2450	2450	2600	2850	2850	3000	3000
Height	mm	4150	4620	4515	4515	4515	4600	4750	5000	5200	5200
Columns height	mm	3725	4110	4000	4000	4000	4100	4735	4935	5140	5140
Underground section beam	mm	600	-	-	850	1200	800	1050	1525	1800	2000
Underground section column	mm	-	-	-	-	-	300	490	375	650	985
Weight	kg	60000	41000	60000	70000	80000	95000	110000	145000	170000	200000
Nr. of intermediates	n.	41	21	31	36	41	41	42	52	52	62
Approach speed	mm/sec	120	120	120	100	100	80	80	80	80	80
Working speed min. - max	mm/sec	8	8	8	8	8	8	8	8	8	8
Return speed	mm/sec	60	60	60	60	60	60	60	60	60	60
Motor power	kW	37	37	37	37	37	55	75	75	90	90

