

Core Belters

Core shooters with transport belt discharge, so called core belters, are the most productive core production machines. They are mainly used for the large batch production of cores in the automotive or fitting industry.

The advantages of core belters in comparison with classical core shooters with table discharge are:

- short travelling distances, therefore short machine cycle times down to 5 seconds can be achieved
- fully automatic operation without operator intervention
- smooth deposit and discharge on a belt conveyor adjustable in height
- buffering of produced cores on a discharge belt, no permanent manpower requirement
- high core box clamping forces with precise core box guiding, therefore low burr formation and less rework
- complete enclosure with large access doors for lost heat and exhaust air discharge and protection against sand blasting
- easy core box change with installed lifting tools
- hydraulic control with proportional valves to lower the core fracture during opening of core boxes



Core discharge on belt conveyor

- variable filling levels in shooting cylinder to avoid pre-curing of non shot core sand
- compact design with small installation space requirement

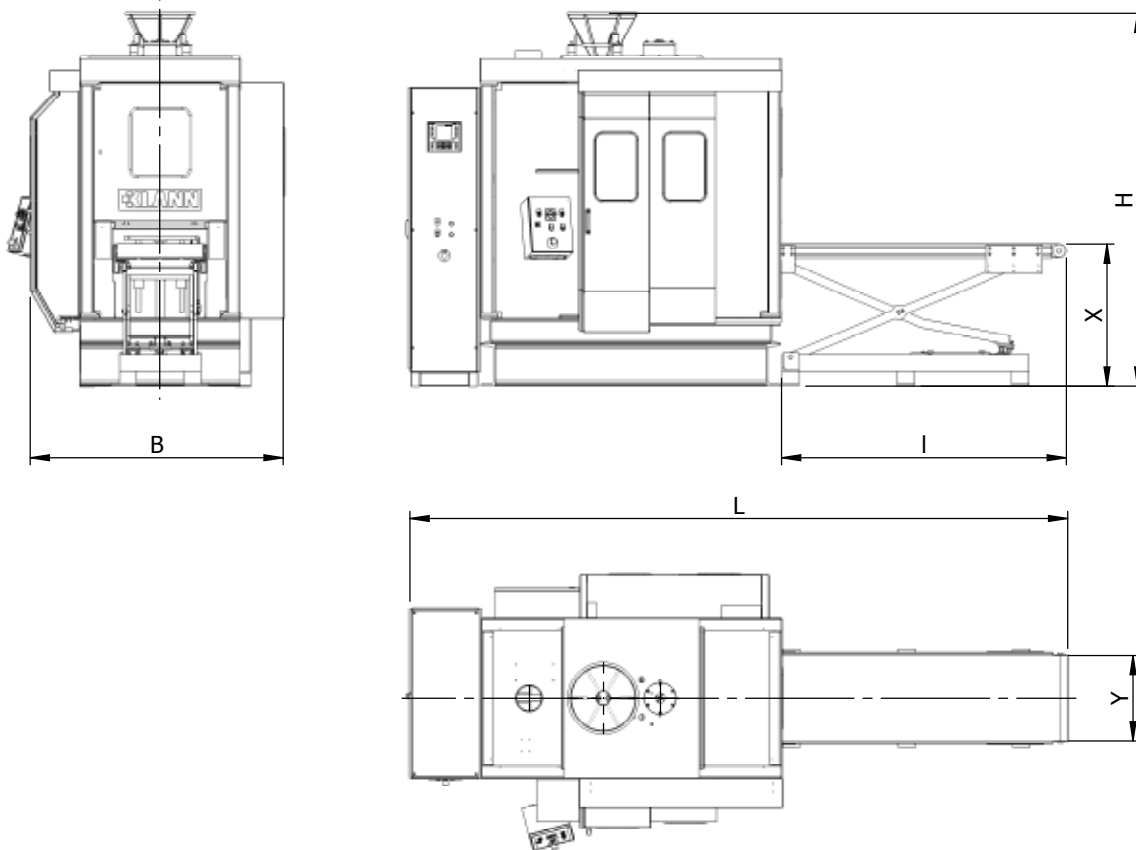
KLANN core belters are designed for 3-shift operation and known for their reliability since decades. Beside pure Cold-, Hot-Box or CO₂-machines, combination machines, using heating-plates and a gassing head can also be supplied.



KLANN Core Belter P8 BA HB/hydr.



Core Belters



	unit	P5 BA HB/hydr.	P8 BA HB/hydr.	P15 BA HB/hydr.
shooting volume:	dm ³	5	8	15
volume core sand feed bin:	dm ³	60	60	120
shooting pressure, adjustable:	bar	1 - 6	1 - 6	1 - 6
compr. air consumption per cycle:	dm ³	25	32	60
cycle time, without curring, shooting and aeration time:	sec.	5	7	9
core box dimensions:				
min. thickness/half:	mm	40	40	70
max. thickness/half:	mm	110	110	150
max. length:	mm	500	600	800
max. height:	mm	250	300	400
clamping way:	mm	320	320	450
machine dimensions:				
height (H):	mm	2,400	2,650	2,800
width (B):	mm	1,800	1,800	2,200
length (L):	mm	4,650	4,650	4,900
belt width (Y):	mm	500	600	800
belt height (X):	mm	700 -1,000	700 -1,000	700 -1,000
belt length (l):	mm	1,850	2,100	2,100