

# Suspended Magnetic Belt Separator

It can be used to filter the ferromagnetic impurities from the bulk material by deep magnetic penetration and the unique magnetic circuit design. It is a high-efficiency, green and energy saving machine with strong permanent magnets inside. It is usually installed in the head or middle of belt conveyor to filter the iron tramp from the bulk material, and the iron tramp will be thrown out by the belt to get to the purpose of automatic removal.

The machine can be used widely in food processing industry, power industry, mining industry, metallurgic industry, architectural material industry, coal industry, chemical industry, port of coal transportation, glass industry and so on. It is able to work for long time without any trouble in various severe environments .

## Benefits

Constant magnetic field with reasonable distribution and deep magnetic penetration

Suspended magnetic belt separator is more simplified than electric magnetic separator, which don't need field power supply and cooling system.

Saving energy, lower fault rate

Operating easily, working safety and reliably

Drum-roll structure with automatic correction function

Full sealed mounted bearings, with good leakproofness and can adapt to various severe environments

Diversified options for belt width and magnetic field strength

## Technical data

Magnetic performance: Gauss value  $\geq 400\text{Gs}$  within the rated suspended height.

Materials of housing and other parts: 304 stainless steel/316 stainless steel

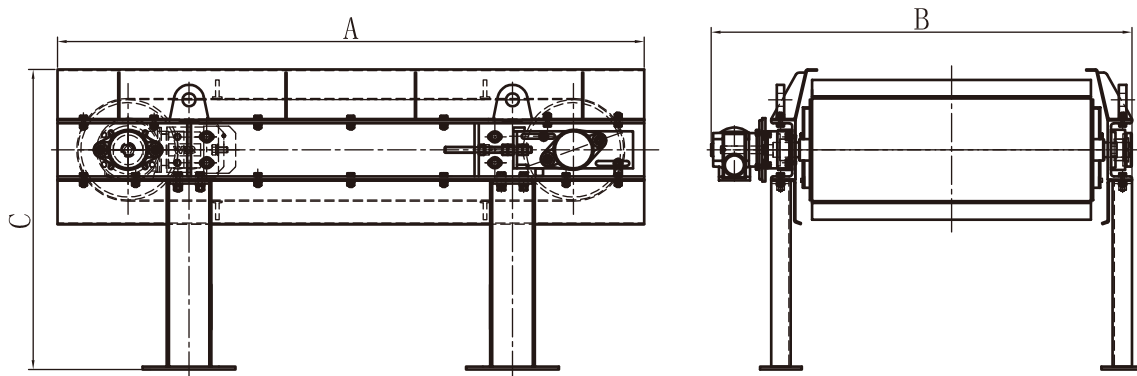
Surface finish: Sand blasting/Powder painting



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Model No.	Belt Width mm	Rated Suspended Height mm	Outline Dimension AXBXCmm
SCXI-650	650	200	1575X1130X807
SCXI-800	800	250	1725X1280X807
SCXI-1000	1000	300	1925X1480X807
SCXI-1200	1200	350	2125X1680X807
SCXI-1400	1400	400	2325X1880X807



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