Ψ Swenco Inc.

Swenco High Intensity Rare Earth Roll Separator

DESCRIPTION

Swenco High Intensity High Gradient Rare Earth Roll Separators use High Energy Neodymium Iron Boron Magnetic material to develop fields in excess of 21,000 gauss on the magnet surface.

The Roll comes in diameters of 3”, 4” and 6” and the Separator has a width of 10”, 20”, 30”, 40” 50”and 60”.

The Roll separator unit comprises of a Stainless Steel Feed Hopper with an adjustable gate, Vibratory Feeder with the tray in Stainless Steel construction , High Intensity High Gradient Rare Earth Magnetic Roll, Idler Roll in Aluminum construction, Roll assembly cantilevered for ease of removal of Belt, Kevlar impregnated PTFE coated belts, Splitter assembly and discharge chute in Stainless Steel construction. A graduated splitter dial in Stainless Steel is provided for adjustment of the splitter.

The Roll is driven by a Geared Motor and a Variable Frequency drive is provided to vary the speed of the Roll. A Proximity switch is provided on the idler side to trip the vibratory feeder in the event of under speed or belt failure (optional).

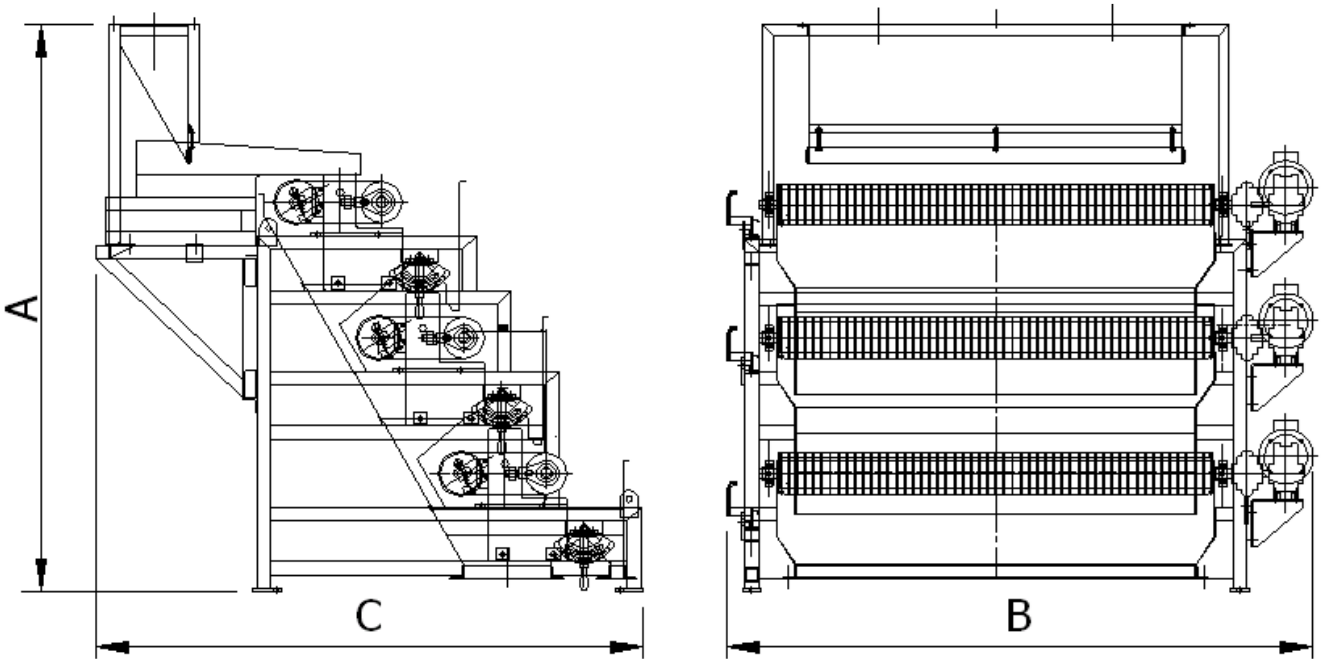
The feeder feed rate is also variable by means of a Variable Frequency Drive

The Roll separator can be configured as a single stage, two stage or a three stage unit.

The support structure of the equipment is in Mild Steel construction.

Photograph of an Enclosed Design with front covers open

Email: info@swencoinc.net



Roll Width mm (Inch-	3" / 4 " Dia. (Roll Dia.) A mm	B mm	C mm	Motor Kw	6 " Dia. (Roll Dia.) A mm	B mm	C mm	Motor Kw
254 (10-1)	1041	930	1391	0. 37	1092	930	1456	0. 56
254 (10-2)	1491	930	1681	0. 37	1592	930	1760	0. 56
254 (10-3)	1941	930	1971	0. 37	2092	930	2064	0. 56
508 (20-1)	1041	1184	1391	0. 37	1092	1184	1456	0. 56
508 (20-2)	1491	1184	1681	0. 37	1592	1184	1760	0. 56
508 (20-3)	1941	1184	1971	0. 37	2092	1184	2064	0. 56
762 (30-1)	1041	1438	1391	0. 56	1092	1438	1456	0. 75
762 (30-2)	1491	1438	1681	0. 56	1592	1438	1760	0. 75
762 (30-3)	1941	1438	1971	0. 56	2092	1438	2064	0. 75
1016 (40-1)	1041	1692	1391	0. 75	1092	1692	1456	0. 75
1016 (40-2)	1491	1692	1681	0. 75	1592	1692	1760	0. 75
1016 (40-3)	1941	1692	1971	0. 75	2092	1692	2064	0. 75
1524 (60-1)	1041	2200	1391	0. 75	1092	2200	1456	1. 1
1524 (60-2)	1491	2200	1681	0. 75	1592	2200	1760	1. 1
1524 (60-3)	1941	2200	1971	0. 75	2092	2200	2064	1. 1

* Dimensions and specifications are subject to change without notice.

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