INDUSTRIAL MAGNETICS.

SUSPENDED OVERHEAD MAGNET APPLICATIONS SHEET

Customer	Quote No	Ind. Code	Date
1. <u>Product:</u> fields highlighted in red are required information	rion		
Description: Size rar	nge:to	Max Lump Size:	
Moisture % Temperature range:	to°F Volume/Rate	Bulk Dens	ity
Product width on belt:	Product/burden depth range:_	to	
Tramp Metal: Size Rangeto	Description of Tran	np Metal:	
2. Application Specifications:			
CONVEYOR: Belt width (flat): Belt	lt Sneed Belt	Thickness Id	ler Angle:
Incline Angle: ° Head Pulley Material:	Head Pulley Dia	meter:	aging Thickness:
How much ferrous metal is under the conveyor:	110000101105101	2u	99mg monioon
NOTE: To maximize the performance, the conveyor section below the magi	net and 18"-24" on either side of the magnet should b	e non-ferrous.	
CONVEYOR END VIEW			
MAGNET: Cleaning Method: 🔲 Self-Cleaning (0	Choose orientation below) 🔲 Ma	inual Clean	
Type: 🔲 Permanent or 🔲 Electromagnet (In	put Voltage Her	tz Phase	NEMA)
Suspension height of magnet (from lowest belt s	surface):		
Orientation to Conveyor: 🔲 In-Line or 🔲 Cro	oss Belt (Discharge from Drive Side	e: 🔲 Right or 🔲 Left)	
NOTE: The Drive and Expansion Tank (Electro Only) standard location is on	high point side of the magnet case during incline in	stallations.	
Special Motor Required: Brand/Model	Voltage	Hertz Pha	ase Enclosure Type
Special Belting and/or Cleats Required (See	options below or please specify):		
BUDGET & TIME FRAME: Funded project: U Ye	s 🛄 No Budget range for mag	gnet:	
lime Frame for purchase and installation:			
0	PTIONAL EQUIPMEN	NT	
Self-Cleaning Magnets	Belt & Cleat Options		Manual Clean Magnets
Control	220 2 ply Rubber Belt, R2S Flexco	D Lacing, Vulcanized Cleats	EZ-Clean swiper bar
Explosion proof motor and junction box	Option 2 220 2 ply Rubber Belt, R2S Flexco	o Lacing, T304 Stainless Steel	Turnbuckles
(NEMA 9) Class: Division: Group:		-	
Dust Hood	Urethane Belt 150 PIW, R2S Flexc	o Lacing, Vulcanized Cleats	Power Supplies (Semo)
T304 Stainless Steel wear plate	Option 4 220 2 ply Rubber Belt, R2S Elever	o Lacing, T304 Stainless Steel	Volt Meter AC DC
Impact package: Stainless clad belt, lagged drive pullay	Cleats and Belt Cladding	s cashig, roo rotainioo otoor	Amp Meter AC DC
urive pulley	U Option 5	lexco Lacing, T304 Stainless	
Turnbuckles	Cleats	ionoo caoniy, ioor otainicoo	
High temperature oil (Semo)			

TOLL FREE 1.888.582.0821 imi@magnetics.com





Suspension Height Above The Conveyor Belt Guide



CALCULATIONS					
Feed Capacity:	<u>Tons Per Hour</u> Specific Weight	x 2000 - cubic feet per hour			
Burden width in feet:	(Belt width - 6")/12"				
Burden depth in	Feed capacity (cu. ft./hr.) x1.5				
inches:	Belt speed (fpm) x burden width (ft.) x 5				

