

THE SAFEST IN MATERIAL HANDLING



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Plot No.7608, Phase-IV, G.I.D.C., Vatva, Ahmedabad-382 445, Gujarat, INDIA
Phone: +91 - 79 - 3291 8913, 2584 0513, 2584 1915 Fax : +91 - 79 - 2584 0124

E-mail: scbhatia@safexelectromech.com / info@safexelectromech.com Web: www.safexelectromech.com



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Safex ELECTROMECH
EXCELLENT DESIGN
EFFICIENT OPERATION
EFFECTIVE SERVICE
ECONOMICAL OPTIONS

Safex Electromech offers advanced features in a wide range of high quality products developed over 25 years with continual technological innovation. Our products are proven in performance and reliability for various applications and across diverse industrial sectors.



PRODUCT RANGE

We strive to provide solutions to all your material handling needs



Cranes



Electric Hoists



Material Elevators



FLP Hoists & Cranes



Chain Pulley Blocks



Custom Design Products

INDUSTRIES SERVED

- ✓ Oil & Gas
- ✓ Petro Chemical
- ✓ Pharmaceutical
- ✓ Steel Plant
- ✓ Foundries
- ✓ Engineering
- ✓ Power & Energy

- ✓ Automotive
- ✓ Aviation
- ✓ Shipyards
- ✓ Food
- ✓ Textile
- ✓ Fertilizers
- ✓ Paper & Pulp



Safex Electromech Pvt. Ltd. has an alliance with Street Crane Company, U.K. The entire range of Street Cranes & Hoists is available.

Safex Electromech Electric Overhead Traveling Cranes are available in various designs up to 100 tonnes capacity, 34 mtrs. span and 60 mtrs. height of lift.

We offer infinite solutions adapted to meet customers' requirements. Our unique design is made to suit different needs and stringent dimensional requirements for hook approach, headroom, end clearances, etc.



Single Girder Cranes



Under Slung Cranes



Goliath Cranes



Double Girder Cranes



Jib Cranes



Wall Traveling Cranes

- KS** Standard range of hoists
- KE** Cost effective range of hoists
- KP** Premium range of hoists
- KX** Explosion proof hoists for Zone -1 & 2, Zone -22, Gas Gr. IIA, IIB, IIC

KS, KP, KX Hoists are available with  marking

The result of over 40 years of design expertise and continuous development

- Hardened & ground hoist gear boxes
- Oil bath lubrication of gears & pinions
- Hoist brake on gear box input shaft and not on motor shaft for increased safety
- Load remains in position with brake on even when removing motor for maintenance
- Silent operation

KS Electric Wire Rope Hoists use modular construction conforming to IS: 3938 & are available with standard features



Model No.	SWL (Kg)	Duty Class	Rope Reeving	Lift (Meter)	Speed (MPM)		Weight (Kg)
					Hoist	C.T.	
KS010H	500	IV	2/1	6	4	15	140
KS010J	625	III	2/1	6	4	15	150
KS010I	1000	IV	2/1	6	4	15	180
KS010K	1250	III	2/1	6	4	15	195
KS0202	2000	III	2/1	6	3	15	350
KS0242	2000	IV	4/2	6	3	15	380
KS020L	2500	III	2/1	6	3	15	400
KS0303	3000	III	2/1	6	3	15	450
KS0343	3000	IV	4/2	6	3	15	475
KS0305	5000	IV	4/2	6	3	15	560
KS030M	6250	II	4/2	6	2.5	15	570
KS0475	7500	III	4/2	6	3	15	1050
KS0410	10,000	II	4/2	6	3	15	1150
KS0412	12,500	II	4/2	6	3	15	1200
KS0415	15,000	II	4/2	6	2.5	15	1350
KS0515	15,000	III	4/2	6	3	15	1500
KS0520	20,000	II	4/2	6	2.5	15	1650
KS0625	25,000	III	8/2	6	2	15	1650
KS0630	30,000	II	8/2	6	2	15	1800

Special features will be offered for higher lift, higher speed, micro speed and custom built applications.

Custom Design Hoists available

- Higher lift up to 60 mtrs.
- Higher hoisting speed up to 12 mpm.
- Lower CT speed up to 2 mpm.
- Micro hoisting & CT speeds
- Flexible trolley for curved track

A wide range of standard & custom built models to meet the requirements of various industries & applications.

KP Hoists offer unbeaten performance in a wide range of proven designs



Safe Operation - The one standard focused on by SAFEX ELECTROMECH



Available with electrical components housed in flame proof enclosures confirming to IS-2148, and mechanical components designed with spark proofing features



- **Capacity:** 250Kg to 50,000 Kgs
- **Lift:** 6 mtrs. to 60 mtrs.
- **Hoisting Speeds:** 3, 4, 6, 8, 10 mpm.
3/0.7, 4/1, 8/2, 10/2.5 mpm.
- **Micro Speed:** .3, .4, .6, .8, 1 mpm.
- **CT speed:** 10, 15, 20 mpm.
10/2.5, 15/3.7, 20/5 mpm.
- **Travel:** straight path
curved path
- **Type:** power travel
hand travel
fix suspension

Suitable for:

Zone 1, Gas Group IIA, IIB
Zone 2, Gas Group IIA, IIB, IIC

Area Classification		
Gas	Dust	Hazardous Area
Zone 0	Zone 20	Frequently Present
Zone 1	Zone 21	Present in Normal Condition
Zone 2	Zone 22	Present in Abnormal Condition

GAS GROUP	
Gas Group	Representative Test Gas
I	Methane (Mining only)
IIA	Propane
IIB	Ethylene
IIC	Hydrogen

Gases are classified according to ignitability of gas-air mixture. Refer IEC/EN/IS 60079-20

DUST GROUP	
Dust Group	Type of Combustible Dust
IIIA	Combustible Flying Dust
IIIB	Non - conductive Dust
IIIC	Conductive Dust

- **Capacity:** up to 100 tonnes
- **Lift:** up to 60 mtrs.
- **Speeds:** single speed
double speed
micro speed
- **Type:** overhead
underslung
goliath
jib

CODE FOR USERS		
Subject	Gas	Dust
Flammable Data	IS/IEC 60079 -20	IEC 61241 -2-1,2&3
Area Classification	IS/IEC 60079 -10-1	IEC 60079 -10-2
Selection & Installation	IS/IEC 60079 -14	
Inspection & Maintenance	IS/IEC 60079 -17	
Repair & Overhaul	IS/IEC 60079 -19	

Electrical Protection Concepts						
Type		Standard		Protection Concept	Zone	
		IEC/EN/IS	IEC/EN		Gas	Dust
		60079-0		General Requirements		
Ex d		60079-1		Flameproof	1	
Ex taD		60079-31		Dust Ignition Protected Enclosure		20
Ex tbD						21
Ex tcD						22
Ex px		60079-2	61241-2	Pressurized	1	
Ex py	Ex pD				1	21/22
Ex pz					2	
Ex q		60079-5		Powder Filled	1	
Ex o		60079-6		Oil Filled	1	
Ex e		60079-7		Increased Safety	1	
Ex ia	Ex iaD	60079-11	61241-11	Intrinsic Safety	0	20
Ex ib	Ex ibD				1	21
Ex ic	Ex icD				2	22
Ex nA		60079-15		Non-Sparking Limited Energy Restricted Breathing Enclosed Break	2	
Ex nL						
Ex nR						
Ex nC						
Ex ma		60079-18		Encapsulation	0	20
Ex mb			1		21	
Ex mc			2		22	



Suitable for: Zone 1, Gas Group IIA, IIB & Zone 2, Gas Group IIA, IIB, IIC

FLP Electricals with CMRI / CCOE / PESO / ATEX Certifications



P. B. Station



Limit Switches



Control Panel



Flame Proof Brake

