

Sparkline Equipments Pvt. Ltd.

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Conveying Technology

About Sparkline

Sparkline Equipments Pvt. Ltd., is fast growing company founded in the year 1991. We are a team of friendly, innovative, proactive and process oriented professionals, delivering excellence in everything we do.

Sparkline is a turnkey material handling solution provider having presence in India. Sparkline has state-of-art design and manufacturing set up and technology tie ups with various Indian and international brands enabling it to integrate solutions, leveraging its vast product basket and domain expertise across verticals. Its "customer first" mind set has helped it build its goodwill by delivering quality solutions on time, within budget every time.

Sparkline is expert in providing material handling solutions to various segments such as - Automobile, Glass, Construction equipments, Agriculture equipment, Electrical and switch gear, Paper, Forging, Warehouse and Logistics and many more other.



Sparkline Services is a customer centric services brand to recon across country. Given its industry credentials in delivering best services, it is good organization to work as it is innovative and takes accountability for its service solutions.

Service and Spares

Why Sparkline Services

Sparkline Services is a customer centric service brand having 25 years of experience in material handling equipments and given its industry credentials to deliver the best services. Sparkline specializes in providing engineering and maintenance services of material handling equipments. Armed with a vision to be the preferred choice for engineering services across the country. Sparkline Services is driven by the zeal to enhance productivity and makes customer's operations most safe and efficient.

We Offer

- Annual Maintenance Contracts
- Equipment Health Assessment
- Up-Gradaation and Retrofitting
- Testing and Certification
- Operation and Maintenance Training
- Repairs and Spares
- Plant Shifting

Toll free no. 1800-2661-677



Other Solutions



Inversion System

Sparkline also offers Inversion system which is widely used in Automobile industry for Chassis & Frame Inversion application. Sparkline Inversion system can be offered for various capacities.

- Damage free rotation
- Enhanced safety due to jerk-free smooth rotation
- Increased work efficiency
- Designed with high safety standard
- Cost effective



Scissor Lift

Used for loading and unloading of the material from one level to another. Our lifter can be installed in civil pit or on the floor as well. The equipment also can be used as goods lift for height upto 10 Mtr. Sparkline Offers lifting capacity from 0.5 Ton to 10 Ton. Platform size and lifting height is totally customized



Shuttle Trolley

Sparkline offers Electric Operated and Battery operated Shuttle Trolley up to 30 Ton capacity.

Sparkline Product Overview



Conveyor System

Sparkline offers wide range of Automatic & Semi-Automatic Conveyor Systems for Material flow and production viz. Belt Conveyor, Skid Conveyor, Slat Conveyor, Chain Conveyor, Roller Conveyor EMS System, Vertical Conveyor etc. Our tailor-made solutions are enhancing your business process



We offer a range of robustly constructed Belt Conveyor, which are used for carrying material from one location to another. Our equipments works on a automated systems, which requires minium man power. Available in different lengths and widths, Sparkline offers customized solutions to suit different kinds of application



Skid Conveyor

Skid Conveyor is nothing but the customized roller conveyors system or combination of idler roller and chain conveyor used to carry skids and other supporting products. Skid Conveyors are ideally suited for automotive body shop, paint shop application. Skid Conveyor are generally used for Accumulation Application.

Continuous Vertical Conveyor (CVC)

Production Specification

- Capacity: up to 1 Ton
- Max Height: Up to 20 Mtr.
- Pallet Size: 1500x1500x1800 HT
- Vertical Speed – 5 to 45 m/min
- Horizontal speed – 8 m/min to 25 m/min
- Control: Completely Auto
- Suitable for light & heavy loading, high capacity.
- Carriage Infeed/Outfeed conveyor are selected to best suit the transport goods, including Roller, Belt chain or Slat Conveyor
- Tray surface of the lifter with anti-static belt suitable for conveying...
 - a) irregular goods (avoiding goods to clip in the gap of pallet)
 - b) Unpacked goods of surface (avoiding goods surface to rub against aluminous slat carrier, thus damaging the good surface)
 - c) Applied in Household appliance conveying unpacked finished goods or semi-finished products
- Rubber coated surface carrier suitable for conveying
 - a) Applied in high speed lifter to increase the friction between goods and carrier & to avoiding goods to rush out when it comes in or out of lifter



Vertical Reciprocating Conveyor (VRC)

STP & SEP Series VRC

General

Sparkline two posts (STP) & Sparkline four post (SFP) VRC is widely used to move the material from one floor to another floor with great safety. It is self-supported free standing structure

Product Range

STP Series VRC is available with lifting capacity up to 3000 Kg. carriage size 2000x2000mm and travel height 20 Mtrs.

SFP Series VRC is available with lifting capacity up to 5000 Kg. carriage size 3000x3000mm and travel height 20 Mtrs.

Structure

Complete structure with modular design is fabricated from high quality structural steel. Various Standard sections like T Guide, H Beams and Angles, Channels are used for structure. The VRC carriage is fabricated from Tubular structure with checkered platform at base. Carriage is provided with collapsible doors on operating sides and covered with MS sheet on nonoperating side

Operation

Basically heavy duty duplex Chain & Sprocket drive is used for VRC operation. Imported fail safe motor with speed reduction gearbox is used for lifting and lowering mechanism.



Slat Conveyor

Slat conveyors are extremely versatile in handling a multitude of products right from the raw materials through the manufacturing processes to the finished products. Conveyors have slats attached to the double-strand steel side bar bushed roller chains and are available in all practical widths, lengths and heights. Variable speed is possible for achieving desired cycle time.

Capacity - To suit customer requirement

Application -final Assembly Line, Sub Assembly Line, Trim Line, TCF Line, Transfer Line



Chain Conveyor

Chain conveyors are used for moving products down an assembly line and/or around a manufacturing or warehousing facility and are available in all practical widths, lengths and heights. Variable speed is possible for chain conveyors for achieving desired cycle time.



Roller Conveyor

Sparkline offer wide range of Power, Power and Free, Idler/Gravity Roller Conveyors for various applications such as feeding to an Assembly Line, Packing Line, Sortation Systems, Carton Handling, Case Handling etc.

Width range starting from - 300 mm - 1000 mm, (Additional widths on request)
Variable speed is possible for roller conveyor for achieving desired cycle time.



Electrified Monorail System

EMS (Electrified Monorail System): Built to ensure that product is always moved in the safest, quietest, cleanest and most efficient way possible, the Sparkline EMS system arrives at your facility preassembled and pre-tested for a quick system startup. Simple to maintain, the Sparkline EMS system is constructed with minimal wires and zone cuts, and also features an intelligent tractor. For added efficiency, product radio-frequency identification can easily be added, providing for quality control tracking of your product and/or facilitating custom processes through automation. Sparkline offers both a contact and contactless or inductive power solution.

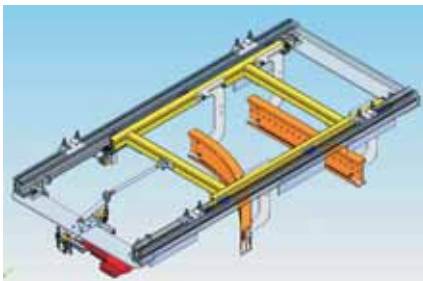


Advantages of Sparkline EMS

- Sparkline developed Aluminum Extrusion
- Main Sizes
 - 180x60mm Standard
 - 240x80mm Heavy-duty
- On-board intelligence: Processor, Sensors, Tracking
- Speed Control: Speeds, Spacing, Pacing
- Capable of accumulating around corners
- Modular Track Assembly: Pre-assembled and pre-tested at Sparkline
- Modular Tractor Assembly: Pre-assembled at Sparkline and quickly installed in field
- Connectorized Design: Quick Start-up and disassembly for weld shop applications
- In-House test loop for Design-Build projects
- Configurable to Customer Specifications and Applications
- Positioning tolerance to +/- 1mm for advanced systems

Track Switches

Small compact sizes, short floating times and exact positioning are important factors to guarantee an optimal execution. Sliding switch junctions, parallel junctions and rotating junctions can be used for optimum design of circuit in the available space. Precise adjustment at the site is possible.



Vertical Reciprocating Conveyor (VRC)

About VRC

VRC's are a safe and economical way to raise and lower materials from one level to another. Typical applications are found in factories, warehouses, industrial plants, institutions or anywhere that need products or supplies to move vertically and frequently.

Type of VRCs offered

- Two Post VRC - Series STP
- Four Post VRC - Series SFP
- Cantilever VRC - Series SCT
- Auto VRC - Series SAT
- Continuous Vertical Conveyor CVC Series - SCVC

Product Features

- Carriage is lifted and lowered by heavy-duty roller chain.
- Ideal for high-cycle automated systems.
- Transports large, heavy loads between two or more levels.
- Quality construction provides superior strength, reliability, and long-term performance.
- Optional hot-dipped galvanized or epoxy finish for outdoor or wash-down environments.
- Optional explosion proof components available for classified environments.
- Stand alone structure
- Attractive exterior with multiple colour option make.



Safety Features

- Specially designed Safety cams are provided in both posts to arrest sudden fall of the carriage.
- Deck Lock mechanism can be provided for additional safety.
- Safety Bottom Limit Switch provided for prevention of carriage from hammering the ground.
- Chain Tensioner Limit Switch provided to stop the carriage in case of the lifting chains are pulled out due to any external obstruction in the upward / downward movement of the carriage.
- Common contactor is provided to cut-off the main power supply if the up/down contactor is failed.
- Outer Structure can be supplied with Wire mesh, Perforated MS sheets, Acrylic panels, pre-coated sheets or simple and cost effective bracings as per requirement.
- Safety counter weight limit switch provided below drive motor to cut-off the main power supply in case of carriage does not stop by top floor limit switch.
- Safety gates provided at all Landing station and carriage. Collapsible doors are interlocked with electromechanical limit switches.
- Fail safe motors and speed reduction gearbox used of Standard make.
- Floor limit switches of high quality provided to precise stopping of carriage at predetermined positions.