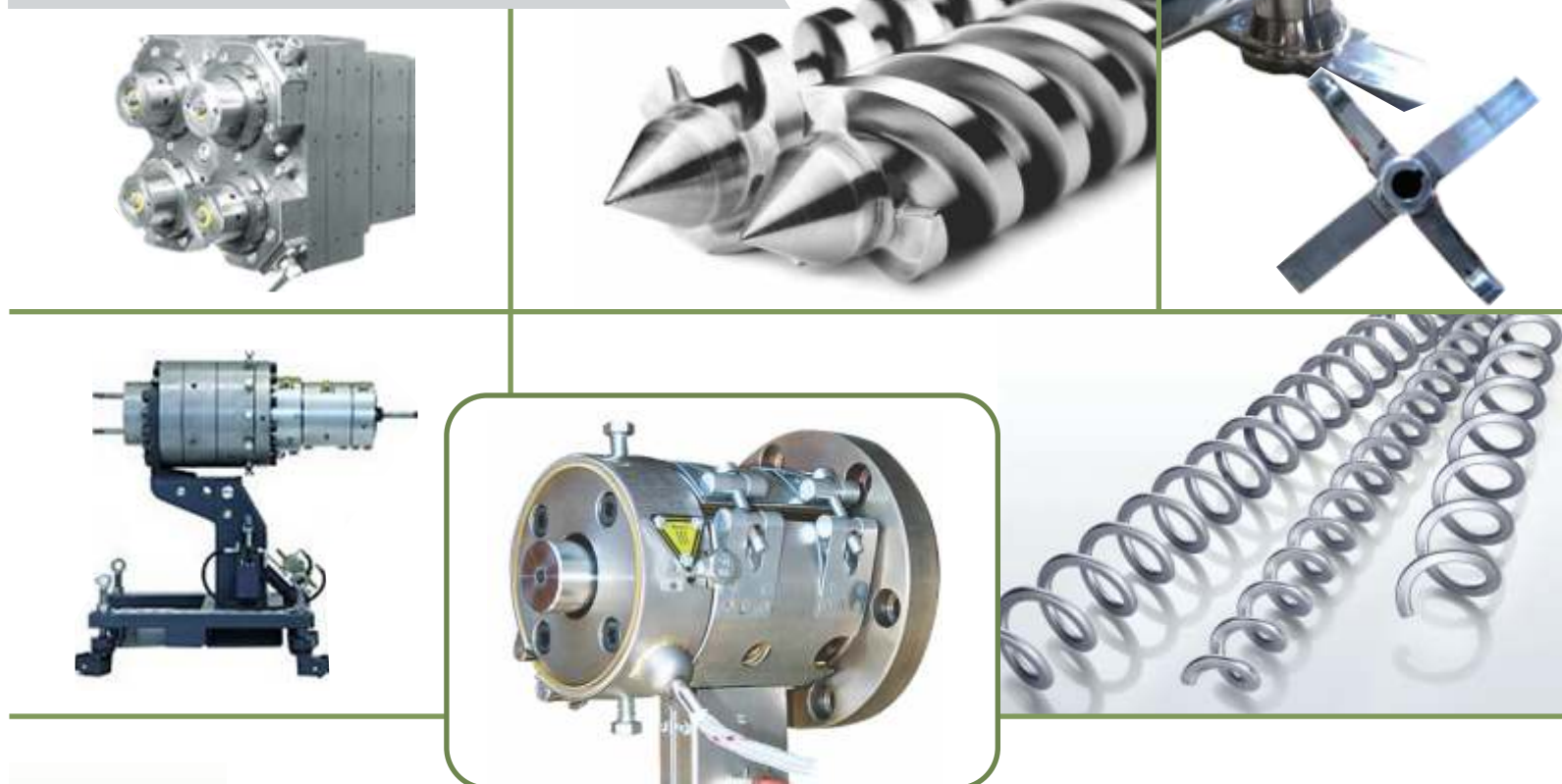




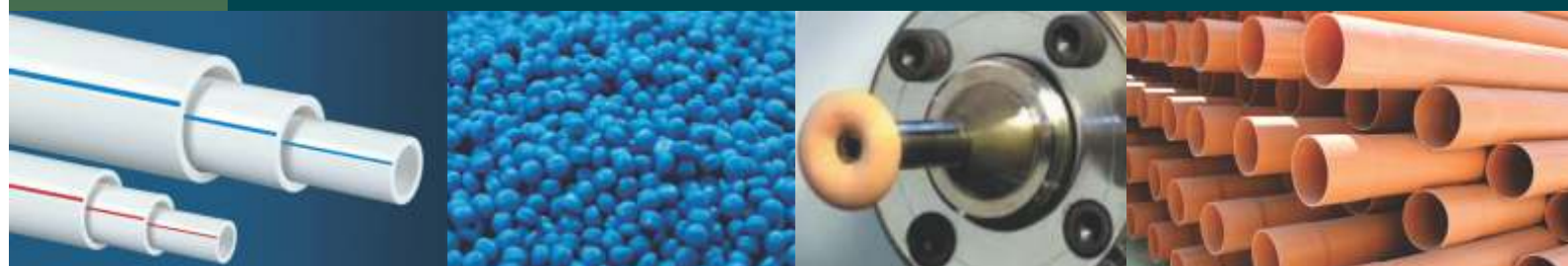
SPARES FOR PIPE EXTRUDER LINE



RCV Engineering (I) Pvt Ltd.

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An
Introduction
to our
Services



www.rcvindia.com





COMPANY PROFILE

About Us

Established in the year **2013**, we, **RCV Engineering (I) Pvt Ltd.**, are one of the renowned manufacturers, suppliers and exporters of a massive compilation of Material Handling Machine & System. Our product assortment comprises of Pipe Extrusion Lines, Vacuum Sizing Tanks and Vacuum Conveying Systems that are precisely engineered, using advance & latest technology in the market. Furthermore, to meet the quality standards, optimum quality raw materials are obtained from our trustworthy & dependable vendors. All the products are manufactured in accordance with the predefined industry guidelines, at our end.

We have established a state-of-the-art infrastructure facility that is set up with different kinds of efficient machines, based on advance & modern technology. Our workspace and large production capacity is one of the biggest reasons of our success, apart from the immense support that we get from our skilled, qualified and well-trained professionals. We have marked our presence globally and In the coming future, we wish to garner more number of patrons and gain their immense trust & confidence in our capabilities. We are exporting our products in Middlist **Africa, Europe & UK.**

Under the incomparable mentorship of **Mr. Chirag Patel**, our Managing Director, we are enjoying an unmatched reputation and strong position in the field. Consistent guidance and regular motivation by our leader, is behind our inspiration to work with full determination and attain the organizational objectives. Our company involves in ethical business dealings only.

Our Team

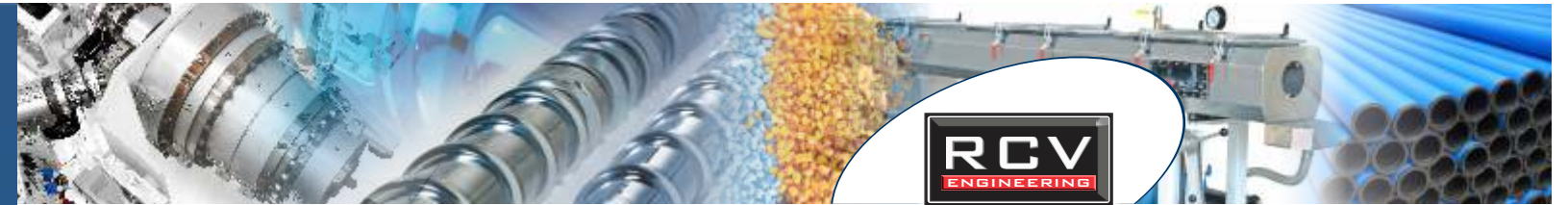
At RCV Engineering (I) Pvt Ltd., our workforce consists of qualified designers, engineers, quality controllers, technicians, administrative staff members, sales & marketing professionals and warehouse & packaging experts. All our professionals work in complete synchronization with each other to perform the tasks, as per the set industry guidelines. Based on educational qualification, years of experience and technical knowledge, our team members are recruited. Furthermore, we conduct multiple trainings, seminars and workshops on a regular basis.

Our Infrastructure

Our workspace has been divided into manufacture, quality control, administrative, warehouse & packaging and sales & marketing units. We have categorized our workspace into multiple sections so as to perform hassle-free operations. Our spacious infrastructure facility is set up with basic amenities & machines, based on latest and modern technology. For the proper management of operations and the systems, we have hired a team that is responsible for performing several up gradations, required from time-to-time.

Quality Assurance

Being a client-based organization, we are extremely concerned with the quality delivered at our clients' end. For maintaining the quality of the range, we follow the prefixed industry standards & norms and use optimum quality raw materials that are procured from our trustworthy vendors. In addition to the same, our qualified quality controllers carry out a series of stringent tests on the entire range, in order to examine its performance. To maintain the quality of the products and to prevent damages, we provide tamper proof packaging.



SINGLE SCREW EXTRUDER

The Next Generation Extruders. Screw and Barrel are Designed and developed such a way that it can match specific raw material and end product requirement. RCV engineering Offers barrier screws a resulting higher output low,melt temperature and Good quality of melt.

Features

- Extruder with 4th Generation energy efficiency
- Direct coupled design ensures minimum transmission loss
- Wear resistant coating ensures long screw life and high rpm
- Low power consumption upto 0.29 KWH/Kg
- Same extruder can extrude PPR too
- Grooved Feed Extruders



Single Screw Extruder Specification

Models	Unit	RCVS 25	RCVS 40	RCVS 50	RCVS 65	RCVS 75	RCVS 90	RCVS 120
ExtruderDrive	K.W	3.7	7.5	15	30	37.5	60	110
L/D Ratio	RPM	24:1	26:1	26:1	26:1	26:1	26:1	26:1
OutPut	Kg/hr	4-5	18-20	36-40	90-100	120-130	170-190	300-320
Screw Dia	mm	25	40	50	65	75	90	120

Single Screw Extruders For HDPE/PPR Pipes

Rapid Series Specification

Models	Unit	Rapid 45-45	Rapid 45-55	Rapid 45-75	Rapid 45-90	Rapid 60-110	Rapid 60-132	Rapid 75-225	Rapid 75-250	Rapid 90-315	Rapid 120-355
Screw Dia	MM	45	45	45	45	60	60	75	75	90	120
L/D Ratio	-	37:1	37:1	37:1	37:1	37:13	37:1	37:1	37:1	37:1	37:1
Main Motor	KW	45	55	75	90	110	132	225	250	315	355
Max. Output	kg/hr	140-160	180-190	220-240	300-330	380-400	500-550	750-850	850-950	1000-1100	1200-1300
Max.Output PPR	kg/hr	90-110	110-130	140-160	210-230	-	-	-	-	-	-



TWIN SCREW EXTRUDER

PVC being a heat sensitive material necessitates a very controlled temperature during processing. This is best possible with closely intermeshing twin screw extruder with relatively less power as compared to single screw. RCVTS twin screw extruders are known for the power optimisation and are offered in the range from 110 kg/hr up to 900 kg/hr.

Features :

- Minimizes energy inputs
- Achieves uniform pumping
- Minimizes wear & tear
- Economic replacement option
- High accuracy of $\pm 1^\circ \text{C}$
- PLC controls as standard on select models



CONICAL TWIN SCREW EXTRUDER

Features and Benefits

- 6 Different models Suitable for All needs upto 1000 kg output/hr
- All Extruders are Make In India.
- PLC Controls As standards in All models.
- Above RCVCTS 60 x 132 and above machines comes with German Gearbox
- Cost Effective production with High Output.
- Excellent Devolatilization Characteristics
- Suitable For CPvc and Upvc pipes and profile



Twin Screw Extruder Specification

Models	Unit	RCVTS 110	RCVTS 140e	RCVTS 170	RCVTS 200	RCVTS 250	RCVTS 300e	RCVTS 350	RCVTS 450	RCVTS 500	RCVTS 700	RCVTS 900	RCVTS 1500
Screw Dia	MM	52	52	65	65	65	71	71	91	91	91	110	135
Screw Speed	RPM	5 To 50	5 To 52	4 To 45	5 To 53	5 To 53	5 To 53	5 To 53	4 To 40	4 To 45	4 To 45	3 To 30	3 To 26
L/D Ratio	-	20:1	22:1	18:1	18:1	22:1	22:1	28:1	22:1	25:1	28:1	28:1	28:1
Main Motor	KW	11.25	11.25	15	22.5	22.5	30	30	45	60	75	90	160
Max. Output	Kg/Hr	100-110	130-140	150-170	180-200	230-250	280-300	330-350	420-450	520-550	650-700	850-900	1300-1500
Pipe Range (Single Die)	MM	20-110	20-110	20-200	20-200	63-250	63-250	110-315	110-400	110-400	160-400	160-400	250-630
Pipe Range (Twin Die)	MM	19-50	19-50	19-50	19-50	20-110	20-110	20-110	20-110	63-200	63-200	75-200	110-250

Single Screw Extruders For HDPE/PPR Pipes

Single Screw Extruder Specification

Models	Unit	RCVCTS35	RCVCTS 55	RCVCTS 58	RCVCTS 65	RCVCTS 80	RCVCTS 92
Screw Dia	MM	35 x 75	55 x110	58 x124	65 x 132	80 x156	92 x184
Screw Speed	RPM	10 To 50	7 to 42	7 to 42	7 To 35	7 to 34	7 To 33
L/D Ratio	-	23	22	22	22	23	27
Main Motor	kW	9	30	30	37	56	112.5
Max. Output Pipe	Kg/Hr	10-68	90-200	150-250	130-350	350-500	500-1000
Max. Output Profile	Kg/Hr	11-57	35-150	140-220	90-280	150-400	400- 770

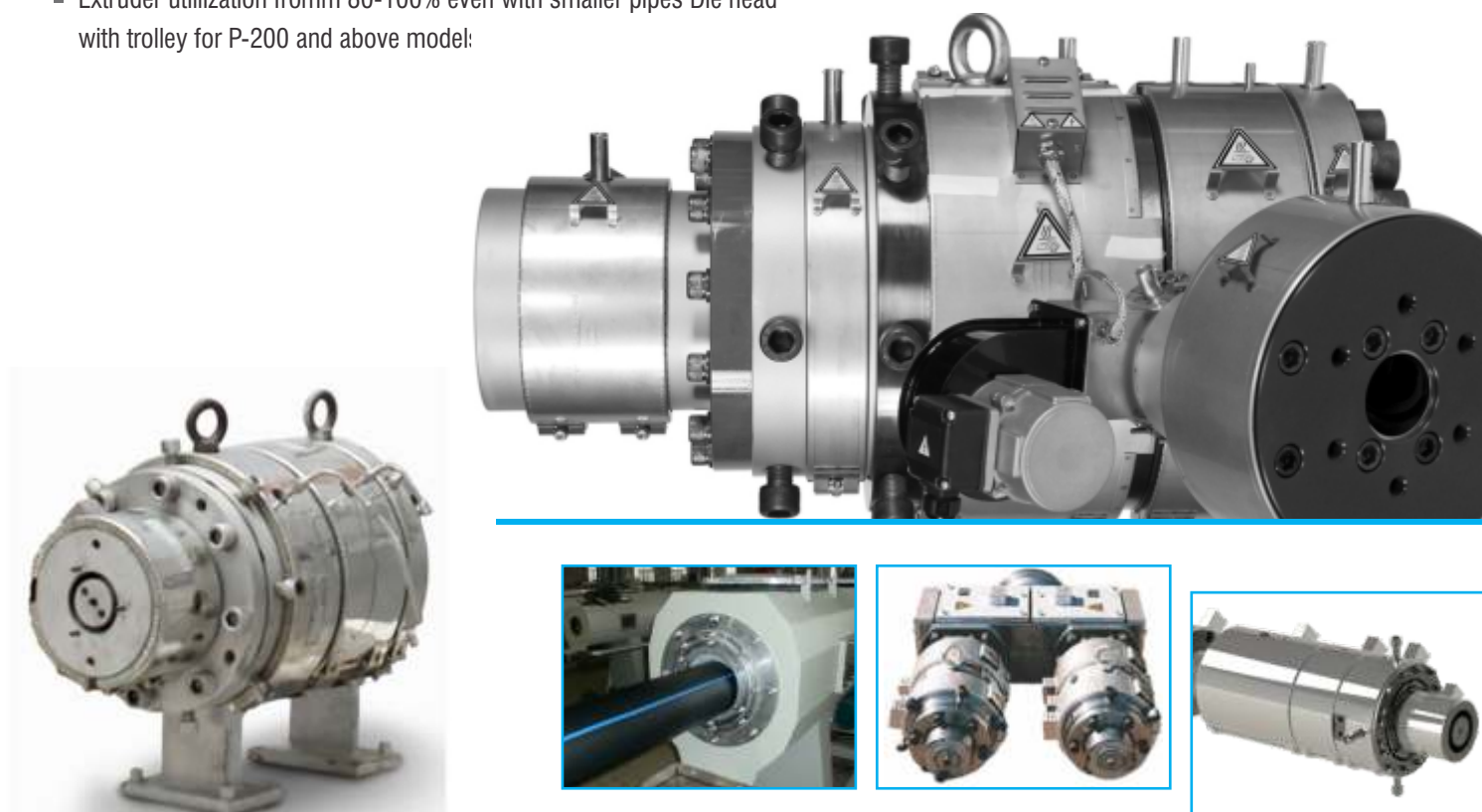


DIE HEADS FOR PVC & PE

RCV offers spider dies, right up to 630mm dia with single head, also dual and quadruple head.

Advantages:

- Uniform melt distribution through the entire pipe circumference
- Excellent flow properties
- High volume low pressure design ensures wider thickness range
- Twin die heads for higher outputs in smaller diameters
- Dual die with dual downstream for pipe sizes 20-110mm & 63-200mm.
- Extruder utilization from 80-100% even with smaller pipes Die head with trolley for P-200 and above model:



VACUUM SIZING TANK

Vacuum Sizing Tank

- Intensive cooling provided to ensure high production ratio
- Easy cleaning bayonet type spray nozzle provided
- Accurate vacuum control, water level control & temperature control provided
- Additional vacuum chamber and motorized axial movement
- provided from RCVST-250 and above for quick startup and less wastage
- Manual slide rail arrangement for Axial and transverse movement of the tank
- Dual vacuum spray tanks on common frame for dual pipe extrusion line
- Imported filters for online cleaning
- Air operated solenoid valves optionally
- Cyclone separator for vacuum pump optionally



Tube Cooling Tank

- Tank MOC Mild steel Or SS 304 As per requirement.
- Easy cleanable bayonet type spray nozzles.
- Manual / motorized longitudinal adjustment on rail.
- Special type of filter for cleaning during operation.
- Height adjustable manually.
- Fixed structure provided in Extra Cooling Tank.
- Acrylic Type Pipe / Tube Cooling Tank also available up to Pipe dia 250 mm.



Die Head for PVC Specification

Models	T63	T110	T200	T250	T315	T400	T630
Pipe Range(mm)	20-63	20-110	63-200	90-250	110-315	110-400	250-630
Output Capacity	100	200	320	425	550	700	1000

Twin Pipe Die Head (Dual Pipe Die Head with Dual Downstream for PVC Pipe)

Models	TD 32	TD 50	T 63	T 110(Dual)	T 200(Dual)
Pipe Range(mm)	19-32	20-50	20-63	20-110	63-200
Output Capacity	280	200	200	400	650

Die Head for PE Pipes

Models	RCVSM 50	RCVSM 110	RCVSM 160	RCVSM 250	RCVSM 450	RCVSM 630	RCVSM 800
Pipe Range(mm)	12-50	20-110	20-160	63-250	90-450	225-630	318-800
Output Capacity up to Kg/hr	200	350	500	800	1000	1200	1500

Vacuum sizing tank Specification

Models	Unit	RCVST 110	RCVST 200	RCVST 250	RCVST 315	RCVST 450	RCVST 630
Pipe Range	mm	16-110	20-200	25-250	75-315	75-450	110-630
Length of Tank(mm)	mm	4000/6000	6000	6000	6000	6000	6000/8000
No Of Chambers	-	1	1	2/1	2/1	2/1	2/1

Vacuum Sizing Tank - RCV Engineering ,manufacturers, exporters & suppliers of Vacuum Tank, Twin Vacuum Sizing Tank, Plastic Vacuum Sizing Tank in India.

Tube Cooling Tank Specification

Models	RCVCT 110	RCVCT 250	RCVCT 315	RCVCT 450	RCVCT 630
Pipe Range(mm)	20-110	20-250	75-315	100-450	110-630
Length of Tank(mm)	4000-6000	4000-6000	6000	6000	6000-8000
No Of Chambers	1	1	2	2	2



TUBE TRACTION UNITS

RCV Offers Tube Traction Unit With Following Features :

- Up to 6 belt tracting device to suit pipe diameters
- Different line speeds can be changed through change of sprockets (on request)
- Track adjustment by pneumatic control
- Self adjustment track suspension provided
- Counter balance pressure to balance track weight for thin pipes offered
- Encoder for length measurement & feed back arrangement offered optionally
- Easy accessibility for maintenance of all components
- Dual twin-track traction units for dual pipe extrusion line
- Easily removable rubber pads / Molded Rubber Chain.



TUBE CUTTING UNITS

Planetary Cutting Unit (PCU)

- Preferred for pipe diameter range 50-400 mm
- Swarf removal executed by a suction blower
- Chamfering and Universal Clamping system available
- Mechanical actuator instead of hydraulic or pneumatic
- 4 and 6 Jaw universal clamping
- On line chamfering provided if needed
- Chamfering without replacable ring
- Direct Gear drive for rotating drum » Compact Swarf extraction system
- Power supply through slip ring – No moving cables
- Battery back-up for auto saw withdrawl



TUBE CUTTING UNITS (TCU)

- Carbide tipped rotating circular saw for longer life
- Pneumatically operated carriage movement
- Clamping force adjustable depending upon the wall-thickness of the pipe
- Swarf removal system optionally offered

Pipe / Tube Traction Unit Specification

Models	Unit	RCVTU 75	RCVTU 110	RCVTU 200	RCVTU 315/3	RCVTU 315/4	RCVTU 450/4	RCVTU 630/6
Pipe Range	MM	12-75	16-110	20-200	32-315	40-315	75-450	110-630
No. of Tracks	Nos.	2	2	2	3	4	4	6
Max. Line Speed	Mtrs./Min.	16	15	15	10.6	10.6	7.2	4.36
Contact Length	mm	540	800	1200	1200	1200	1600	1600

Planetary Cutting Unit (PCU) Specification

Models	Unit	PCU 250	PCU 400
Pipe Range	mm	50-250	75-400
Cutting Speed (Max.)	Mtrs/Min.	10	7
Jaw For Clamping	-	4	6
Clamping From	-	-	Universal

Tube Cutting Unit (TCU):Specification

Models	Unit	RCVCU 110	RCVCU 200	RCVCU 250	RCVCU 315	RCVCU 110/2	RCVCU 200/2
Pipe Range	mm	20-110	20-200	50-250	90-315	20-110	50-200
Cutting Speed (Max.)	Mtrs/Min.	15	10	10	6	12	15
Clamping From	-	Top	Top	Side	Side	Top	Top

Tube Cutting Unit | Pipe Cutting Unit | Tube and Pipe Cutting | Pipe Cutting | Dual Pipe cutting Machine Manufacturer & Exporter from India.



TUBE TILTING UNITS



- Pneumatically operated Unit
- Structure MOC Square hollow section
- Two limit switch actuation - One for pipe cutter feedback and other for tilting the pipe.
- Pipe resting platform provided for above 250mm Dia Pipe.



SPIRAL SCREW CONVEYOR

- We RCV Engineering (I) Pvt Ltd. Where Technology combines with engineering brilliance to give the cutting edge to the Plastic Processing equipments. We believe that the solution arises from within the problem, hence one users friendly and cost effective solution to your entire conveying system. Since each product is unique in its own way, RCV Engineering designs & customizes special powder conveying spring hopper loader to suit your particular need. The hopper loader are used for conveying powder to main hopper of Extruder with length of 6 to 12 meter. Our hopper loader are used by top name in the industry who prefer nothing but the best
- Machine of clear construction with easy access for operation and maintenance.
- Material Flow through Flexible HDPE Pipe and Spring made from Special Spring Steel Material
- Our All Spring Hopper Loader is equipped with Vibrating Fork in place of Rubber Diaphragm /Proximity. This Vibrating fork is maintenance free and proven the best as level switch for all Material application.
- Vibrating Screen with Vibrator Motor is on the top of Main Inlet Hopper. Also DOL starter of BCH make is provided for Vibratory Motor.
- All Electrical parts are of standard make like BCH, L & T, schneider electric.
- Timer to adjust delay time for material flow.
- Manual or automatic operation option. Various sizes like 13/10/8/6 meter are available as per customer requirement.
- All the paint is Powder coated for better life of Unit.
- Operating Manual for Hopper Loader, Electrical Circuit Diagram, and Operating Manual for Vibrating Fork is standard supply with Hopper Loader



Hopper Loader Specification

Models	Conveying tube in mm	Minimum radius in mm	Motor	Maximum output(dependent on material and bulk density)
RCVSC30	40	1500	0.37-1.1 KW	0.3m/h
RCVSC40	50	1500	1.1-1.5 KW	0.6m/h
RCVSC50	63	1800	1.5-2.2 KW	2.5m/h
RCVSC70	75	2300	2.2-3.7 KW	5.0m/h
RCVSC80	90	2500	3.7-5.5 KW	8.0m/h
RCVSC100	110	3500	5.5-7.5 KW	15.0m/h