

Through Eyes of Our Customer



Mr. Vijayan Sreekumar
Director, Vijayachandra
Building Products. Pvt.
Ltd., Kerala

My family has been into this business of Bricks and roof tiles since couple of decades. We made our foray into Concrete Blocks and Pavers in the year 2009. Having seen lots of ups and downs including this current pandemic, I proudly say my family, friends and my employees are my biggest strength and backbone of the business.

I came across Columbia Machine Engineering) at the Excon 2009, when I was just making up my mind to buy a Concrete Block Machine. Though I had done lot of research and met various contractors in Gujarat, Maharashtra and Karnataka, but meeting Mr. Soji was the turning point. He motivated me and boosted the confidence in me to invest in a Columbia Machine. One correct decision made at the correct time resulted in buying 3 more Columbia Concrete Block Machines. Our brand name is “Stabil”.

Being into this business for so long, I have managed to understand the pulse of my customers. They only look for good quality products and government too has become very stringent in expecting durable products from its contractors and we have understood this over the years. As compared to my counterparts, though I was a late entrant into this business in Kerala, I can proudly say that I introduced high strength concrete pavers made on Columbia for PWD roads application. Initially it was only used in petrol pumps, container terminals and ports in Kerala. Columbia proudly stands for its quality and brand name.

Covid pandemic has changed the dynamics of the industry. All our plants were completely shut for almost 6 weeks but now steadily I have started resuming operations after the lockdown is lifted. Though there is little scarcity of cement and raw materials, even the prices are shooting up, but we are blessed our operators and workers are with us during this challenging times. I have managed to keep more than 100 plus employees and given them food and shelter during lockdown. We need to just wait and watch how this market resumes and where the current year takes us all!



▲ Outgoing



Incoming ►

We are glad to inform you after two months of lockdown, as per the Government's norms Columbia Machine Engineering factory at Vadodara, Gujarat has started its operations. We are taking all safety and precautionary measures for our employees, customers and gearing for our 1st complete plant dispatch after lockdown.

Complete Plant Dispatch!

Sanitized, packed and sealed Columbia's Concrete Block Plant – SPM20, Batching and Mixing Plant to our esteemed customers in East.

The team is all set to dispatch three more plants in this month.



Automatic Vibrator Lubrication system (ALS)

What is ALS?

ALS is basically an Auto Lube System to cool the vibrator bearings in our concrete product machines. The basic working principle of this arrangement is to inject / spray hydraulic oil on the bearing housings with bearings. This will lubricate all the bearings of the system and transfer the heat from vibrator housing to the oil sump / pumping unit tank with the oil being circulated.

This system has a pumping unit with two positive displacement pumps running with a 2 HP induction motor. The first pump will suck the oil from the sump and spray it on to the Bearing housings and the bearing at around 2.5 bar pressure. This oil will pass through a filter arrangement to make sure that the oil entering the vibrator system is completely free from contaminations.

After lubricating the bearing and collecting the heat, the oil is collected at the bottom of the enclosed casing.

The second pump with marginally higher suction capacity will suck the oil from the casing and transfer it to the pumping unit sump. During this process the oil will pass through an air blast cooler and a return line filter to make sure that the oil entering the sump is relatively cool and free from contaminants.



Difference between conventional Model SPM20 and SPM20 with ALS

Sr No	Description	Normal grease Lube System	ALS System
1	Type of Lubrication	Grease Lub (high Temp)	Oil circulation
2	Life of Bearing	Medium	Very high
3	Periodical stoppage for Lubrication	Required	Not required
4	Temperature	70° to 80° Centigrade	50° centigrade
5	Reuse of LUB oil / Grease	Grease cannot be reused	Oil is recirculated.
6	Reliability	Normal	High

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Automatic Vibrator Lubrication system (ALS)

Unique features of ALS:

Increase in life of bearing compared to conventional system.

1. Higher productivity as the machine is not stopped for greasing every 4 hrs
2. Human error eliminated.
3. Has relatively higher safety features, resulting in less breakdown time.
4. Robust and environmental friendly system compared to conventional system.

ALS, which is a standard feature in our High end machines is introduced in our Flagship SPM20 machine and the very first machine came into operation on 10th July 2018. The highest cycle clocked without any failure by one of the machines till date is 13,50,000. Having overcome the teething concerns, and after getting complete customer satisfaction over few machines, ALS is launched in the market and today we have 15 machines with ALS running and 4 machines orders are in process.

What our customers have to say:

Mr. Aniket Basu, Shyam Steel Industries

“ALS machine has made our work so easy. Manual greasing and periodic preventive maintenance procedures used to eat up so much of our time. Except for few initial glitches which were sorted by Columbia, we never faced any major problems. Now our machine has completed 13,50,000 cycles without any breakdown.”

Mr. Pushendra Sharma, Automatic Industries

“ALS Machine has undoubtedly increased the production output of the machine by reducing the downtime considerably. Initially a lot of time used to get wasted in greasing and also to check if the operator has done it correctly or not. Now we are through all that. In future, when we plan to add to our fleet of 5 Columbia machines, it will definitely be a machine with ALS and also I won't think twice before converting my old machines into ALS system.”

How existing customers can take advantage of ALS?

We have two arrangements for the retrofit of ALS:

1. For machines which has been manufactured after 2015 – Retrofitting time is about 3~4 days
2. For machines which have been manufactured between 2011 to 2015 – Retrofitting time is about 6~7 days

We offer warranties on ALS which are retrofitted and also special extended warranties for 18 Months under AMC proposals. You can contact our Service Head Mr. Sushil Upadhyay at +91 85111 06723 directly for any queries.

India Grows:



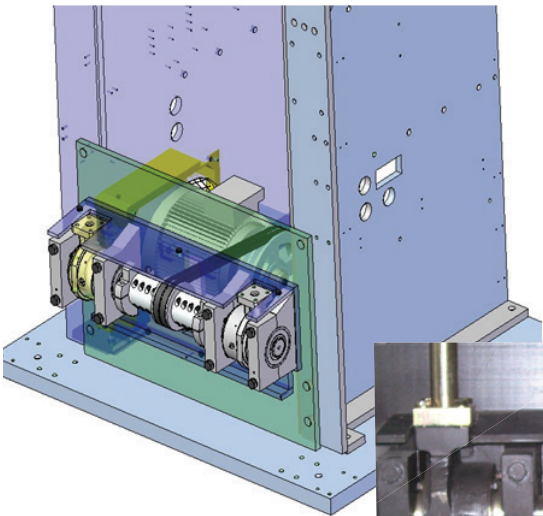
- Telangana plans to build three new greenfield airports at Kothagudem, Jakranpally in Nizamabad and Gudibanda in Mahbubnagar, start commercial operations at three existing airports – Warangal, Basanthnagar and Adilabad. Telangana also plans a world class aerospace university.
- Rs.6.16 Lakh Crore has been approved so far to provide pucca houses to economically weaker sections of society under PMAY – Urban.
- Deendayal Port Trust formerly known as Kandla Port, has envisaged as investment of Rs. 9757 crore for improving its infrastructure.
- Oil India to invest 57 billion rupees on 167 wells, pipeline in Assam.

Reach us at:

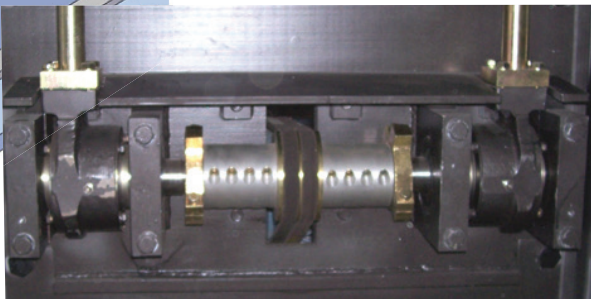
COLUMBIA MACHINE ENGINEERING (I) PVT. LTD.
1, Rahimtoola House, 7 Homji Street, Fort, Mumbai – 400 001. India
TEL : +91-22-6743 4330 / 4331

SERVICE TIPS

Vibrator Componets



Vibrator alignment and belt tensioning is critical to the operation and life of the vibrator assembly. Following vibrator installation procedures torque specifications and belt tensioning will insure optimum



operation. Make sure you follow your daily greasing of the vibrator eccentrics.

Couplers have mating parts and are numbered the same at one end. An equal gap must be maintained once the couplers have been torque. Counter weights must be replaced if worn.

DO YOU KNOW?

- Scotland's National Animal is a Unicorn
- The Greenland shark has an average lifespan of 272 years, some of them can even live as long as 500 years.
- Mantis shrimps can punch with the force of a bullet. They have one of the fastest and the most powerful punches in nature.
- There are a lot more trees on earth than there are stars in the galaxy. NASA estimates that there could be from 100 billion to 400 billion stars in the Milky Way galaxy. The earth has more than 3 trillion trees.
- The biggest tire manufacturer in the world is Lego. The company makes more than 50% more tires than other tire manufacturers such as Bridgestone or Goodyear.
- Humans are born without kneecap bones, we only develop them around the age of 3
- Clouds may look very lightweight but the science says otherwise. The average cumulus cloud you can see during the sunny day, weight around 500,000 kg (1.1 million pounds).
- A glass ball can bounce higher than a rubber ball of the same size
- Throughout the history of the world, there have been more than 108 billion people alive. Since there are more than 7 billion people alive today, it means that around 7% of those who have ever lived exist today.

