

PLASTICS MANUFACTURING EXCELLENCE IN THE COVID-19 ERA: USING COBOTS TO MAINTAIN SOCIAL DISTANCING, PRODUCTIVITY, & QUALITY ON THE SHOP FLOOR

On 22nd July @ 3PM – 4.30PM

How can automation accelerate your recovery and protect you from future pandemic disruptions? The COVID-19 crisis exposes vulnerabilities in long supply chains which make companies vulnerable to logistic disruptions. In times of uncertainty, being able to implement quick changes in production, thus, is key. Collaborative robots, or cobots, are one of the fastest automation solutions on the market to deploy and adjust to new operating principles such as Social Distancing on the factory floor. In the plastics industry, especially, small batches and a high degree of flexibility play a major role in production, where manufacturing processes vary widely depending on the material. Cobots provide the best way of increasing productivity even in small batches, while also relieving staff from repetitive and physically arduous activities. From injection molding to pick and place to much more, cobots provide attractive opportunities for automation in the plastics industry for a wide range of applications and production facilities.

The 1st of our series- Low Cost Automation, this webinar with Universal Robots was a tremendous success. The webinar was attended by a very selective group of attendees who showed genuine interest in the product and its workings. In a situation where skilled and unskilled labours are hard to come by and how Collaborative Robots also known as Cobots come to the rescue of manufacturing units in these trying times. Comparisons between Collaborative Robots & Industrial Robots was pointed out and expended upon in detail. The differences between the two are marked and obvious. The attendees were shown videos as to how light weight and easy to transport these Cobots are. They can be charged on a regular charging point and are very compact in size. Though small in size they are still capable of doing the work of multiple human hands, once programed they can work for the full night without any supervision, which can reduce the labour cost of the company.

Mr. Pradeep David further mentioned that they provide free training workshops open to all on how to use the Cobots.

SPEAKERS:

Pradeep David - General Manager, South Asia at Universal Robots.

Mr. Karan Deep Singh - Sr. Technical Support Engineer for Universal Robots, South Asia.

TOPICS DISCUSSED:

- Introduction to Collaborative Robots
- Collaborative Robots vs. Industrial Robots
- Cobots in the Plastics Industry: Injection Molding
- Live Cobot Demo
- Role of Cobots in the COVID-19 Era
- Plug & Produce with UR+
- Universal Robots Academy and Training

THE WAY FORWARD:

A lot of interest was shown by the people present to know more about the Cobot, the costing & the workings. The email id of Universal Robots was shared for further correspondence.