

Fast and safe way to change colour or material for an efficient running process with Interkor VP1026



Every time the same problem – changing materials or colour is often a long procedure with using lot of material to clean the screw and the

chamber. Cleaning granulate is often very expensive, needs place to stock, is specified and not for all kinds of plastic. Abrasive cleaners destroy the polished surface of the plastification unit and make it rough.

INTERKOR VP1026

Interkor VP1026 from Buchem is a non-abrasive liquid screw cleaner and anticorrosion agent with excellent features to save time and material. Directly add to the following granulate, it will foam up immediately under pressure and bring out all old material from each corner of the chamber. 5-7 times of the volume from the chamber are mostly enough to change the colour. Interkor VP1026 is independent from temperature and kind of plastic. The harmless ingredients are certified for NSF and also for using in food-packaging area. It will not damage the glossy surface of the screw, so no new material will connect with damaged structure. This product is long time proved worldwide under hard conditions.

Interkor VP1026 can be also use for cleaning the heatrunner-system. Therefore it is the best way to clean in two steps. First cleaning process only from the plastification unit makes shure that no dirt and old material comes out through the heat-runners. For the second step connect the nozzle with the mould and shoot out the foam up product through the runners

with open mould. To short the cleaning time, it could be helpful to spray Reiniger SE with a tube on head inside the heat-runners for pre-diluting the old material. Detailed information for this efficient cleaning procedure you will find on www.buchem.de or please do not hasitate to contact Transcorn.



Black Spots reduce the output and increase the costs and time – Reiniger SC can help together with cold stream



Another bad effect is black spots after starting the new production. This problem is absolute independent from the regular cleaning process, but sometimes it will appear during it. Coloured or black parts come mostly from the screw or from the top of the nozzle. Two effects are the reason for that. The black spots are burnt material from overheat plastic. That happens, when the flow stops for longer time, without reducing the heat belt-temperature. Longer breaks and setting times let the product stay

inside the plastification unit and on the border to the chamber and screw the material begins to carbonize. So this layer will amount more and more until the film cracks. This is the beginning of a permanent breaking off from small black particles time after time. This effect will accelerate by cool down and running up the machine by the different expansion from Metal and plastic. During the cleaning process, the volume expansion of the material will also give tension of the burnt layer. The reason, why the most spots comes out after starting the system or after inline cleaning of the screw and chamber. The only way to eliminate this problem is first to remove the screw and nozzle for cleaning and the second preventative

step could be to reduce the material temperature while non flowing time.

Cleaning the screw, chamber and nozzle is also often a very special problem. A lot of companies in Asia burns their screws and brush them after with steel-brushes and sandpaper. The same without burning happens with the chambers. The surfaces of the parts become very rough, so the next carbonized layer comes faster in case of the creepy structure. Even micro sand-beaming destroy the surface of polished screw and makes it easier for building up a new film. Buchem has a lot of experience from visiting customers worldwide to see their problems and how the happen.

Reiniger SC from Buchem in combination with dry-ice-beaming could give a good and non-abrasive solution. The cleaner will under creep the layer and dilute its surface, so the adhesive effect will decrease. The cool ice-beam shrink the layer in relation to the warmer metal and the high tension will crack the film and blow it away. Also industrial heater with hot air flow will give this tension vice versa by extension of this layer.

This cleaning process gives a maximum of care and prevents the parts of the plastification unit.