## Large area lamination with hot melt adhesive film requires attention

## **Detail Introduction :**

Hot melt film has been widely used in various industries today, but it is mostly used in large area lam applications, soften fabrics, rolls, plates, etc. These occasions are particularly high demand for hot mowhich often has a certain wide demand.

When laminating a large area, the operation of hot melt film composites requires attention to some a matters to ensure the completion of quality and quantity of composite, so which specific items?

First, the most important thing is the laminating temperature, that is, the temperature provided by the machine to heat the hot melt film to make it dissolve. This temperature can not be too low and not to Too low a temperature will lead to the film not being fully melted. Too high will lead to permeable glue other problems. It is worth noting that many laminating hot melt film machines and equipment show temperature, and the surface lamination temperature is inconsistent. So it is recommended that you temperature gun to measure the actual contact surface temperature to determine the exact value of temperature to regulate.

Second, the process of hot melt film lamination also needs to pay attention to the maintenance of the lamination time, on the one hand, the heating time, and the cooling time. We need enough time to m hot melt film during the heating process and enough time for the hot melt film to flow and penetrate surface of the bonded material to produce a good bond. Of course, time is not the length. The better will also lead to composite products after the permeable glue and other phenomena. After compoun need to have enough time to make the hot melt adhesive film cool. After waiting for cooling, hot melt adhesive film can play a role in bonding.

Third, the hot melt film lamination process requires a certain amount of pressure, often overlooked. pressure needs to be controlled within a certain range. Too much pressure will lead to the hot melt fi the adhesive layer being extruded. Too little pressure has not played a good role in the composite. In because some materials (such as metal, wood, etc.) have their thermal stress, lamination and then co produce deformation. And the hot melt adhesive film can not form a good bond before complete coc this kind of material also needs to involve a cold-pressing step.

The above three points, temperature, time, and pressure, are the three necessary elements of hot m composites and are indispensable process parameters that must be regulated. I hope you have a dee understanding of the hot melt film lamination process through the above elaboration.

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