



Article published on July 10th 2012 | [Technology](#)

The pad printing process otherwise tampon printing could be becoming more and more well-liked in the industrial application. The pad printing process began within the early 1970s to beat market shares. The primary benefit of pad printing when compared other printing techniques could be the unique possibility of printing many types of irregular shaped surfaces. Pad printing should be the process of transferring a picture on a 3-dimensional object, this process is done using ink which can be applied to a soft pad whereas the pad by the inked impressions being pressed onto the objects. Pad printing at the moment are done on convex, concave, curved, & discontinuous surfaces which give a broader range of shapes & designs. Pad printing at the moment are used for printing lots of products inside industries among medical, automotive, promotional and also sports field.

Pad printing is often practice of converting a 2D image right into a 3D image. The pad printing way should be chief appropriate for decorating toys, plastic house ware & injection moulded components. This technology possibly will be used designed for marking electronic components for instance resistors, canisters & connectors. In other words pad printing may be the wet process where a three-dimensional plastic, glass, metal, rubber otherwise wooden part at the moment are decorated. In your pad printing process which can be an indirect photogravure process, depressions are going to be etched into a flat plate or else printing block & are filled up with ink. A smooth silicon pad may be utilized pick up the ink on the plate; silicon is used for this purpose since it is ink repellent & accordingly won't absorb any of ink. Pad printing requires merely reduced capital outlay as this printing technology is relatively inexpensive for multicolor printing mode. A pad printing service is mostly used for compound and easy surface printing.

Automation system is needed to control system and data technologies to scale back the work of human in the assembly of goods and amenities. Automation system gives you innovative, custom designed, build & installed manufacturing solutions to numerous of the world's thriving makers. The automation system can be practice of integrating the industrial machinery to automatically achieve task for example welding, material handling, packing, dispensing, cutting thus on. The use of hardware & software automation systems increases the productivity, safety and profit. The automation way may be precise and repeatable; it ensures that the product should be manufactured through the same specifications and mode all time.

Automation system helps to scale back waste, factory lead times & production cost. Their automation includes superior production rates & increased productiveness, more efficient use of materials, superior product quality, improved safety, shorter working hours for labors and reduced factory lead times. The two biggest advantage of the automation system usually are the higher productivity and increased output. The automated system ensures the workers safety; they remove the workers within a workplace and so safeguarding them against hazards of the factory environments. Reduced working hours is usually some other good thing about the automated system. Who have the assistance of automation any time required to process a typical production order from the factory is often reduced.

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Article Keywords:

pad printing, automation systems

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