



Melco modular multi-head embroidery machine

In 2003, Melco introduced the principle of modular production to the embroidery world and stopped to produce conventional multi-head embroidery machines. This was the result of Melco's quest to offer its customers the most productive, flexible and easy-to-use embroidery equipment. To this day, this switch to the modular system has proven extremely successful and there are a lot of very good reasons for it.

A modular embroidery system combines the advantages of conventional multi-head machines with the advantages of conventional single-head machines. This is done by connecting between 2 and 30 single-head machines in a LAN-network and controlling them with a single computer. This allows group machines with one click to load the same design and setting on all machines, just like on a conventional multi-head machine - making set-up times as short as possible. It also allows every machine produce independently, just like a single-head machine - meaning that whenever one machine stops, all other is still running.

Apart from the significant savings in downtime, the modular multi-head embroidery machine Melco EMT16plus brings many more advantages to help your business succeed in today's embroidery market. Nowadays, order sizes are shrinking while the number of orders is increasing and customers are expecting fast delivery at competitive prices.

With independent machines, it is now possible to run at much higher speeds of up to 1500 SPM because, unlike on a traditional multi-head machine, only one hoop has to be moved. This is much



Augustin Dahler, Marketing at Melco stand at FESPA 2017.

lighter and can thus be done much faster. Therefore, rather than stopping the machiner during production, a thread or needle break will only stop one machine - and there is a rush to fix it, as the rest of the production is still up and running.

It is also possible to remove a machine from a large order at any point to use it for rush jobs or sampling - no need to turn off any heads. The operator can have every machine produce a different job or group them to produce large orders - thus the production adjusts to your needs.

The modular system allows an operator to use exactly as many machines as needed for a job. Even small orders become profitable - no heads need to be turned off, instead, they can run another job already. When a customer orders 6 pieces to be produced on a conventional 4-head machine, two heads will have to be switched off for the second production run. However, with a modular 4-head system, the two heads can already start with the next job-meaning you will not have to hope that your customer places an order in multiples of your amount of heads in order to work efficiently. ♦