

# 360 degree digital printing for socks and seamless

Published: 22 October 2021

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Brescia - Visitors to this week's FIMAST exhibition discovered a new, 360 degree, digital printing solution for seamless knitwear and socks which guarantees that the printed pattern covers the entire circumference of the item.

The Aura MNU, from Spain's Aura Digital Printing, is a multi-functional digital printer which prints 360 degree designs by means of a rotating roller. The major advantage of this system, explained the company's Pere Lazaro, that the continuation of the item ensures that there are no visible lines or gaps on the garment, a common problem with traditional sock printing systems.

The Aura MNU uses Epson 6 colours printheads operating at 1440DPI with a capacity of one sock per minute which equates to 500 socks per eight hour working day. It also comes with two different sizes, which which means that as well as socks and seamless knitwear, the system offers both a small and large diameter roller meaning it can also be used to print body size garments and even leggings.

Once printed, the items are then transferred to the Aura Sublimation Oven, effectively a digitally operated hot air drying tunnel.

The Aura-Sublimation Oven offers a drying system using a recirculation of hot air that maintains a homogeneous temperature throughout the compartment or heat zone.

It has a helical turbine that propels the hot air generated by the heat battery along with a PLC and touch screen for the precise control of speed and programmable temperature from 0 to 180 degrees.