

Welcome to the age of water

The worlds of textile and fashion are ready for the special power of water. Continuous and in open-width.

Taste for invention is back and has been the *fil rouge* during [fashion weeks](#) all over the world. The key concept is to turn an already excellent product into a special one, going the extra mile. With all this in mind, the [textile world](#) is getting ready for [Texworld Paris](#), [Milano Unica](#) and [Denim Première Vision](#) – with denim market share always increasing, as predicted by [WSGN](#) trend forecasting agency.

More and more often, designers seem to look for textiles that underwent manufacturing processes which are not strictly necessary but truly original, in order to be able to create something unusual according to the look, the touch and the textile performances. That's the key concept for textile production for years to come. And it's thanks to water that textile industry can actually be an inspiration for designers: in fact, some particular colors and textile structure definitions can be reached only by undergoing specific washing processes. Special processes. And here mechano-textile industry comes into play and that's where the makings of textile and fashion actually spring. And also, [AQUARIA®](#) comes into play. Patented by [Biancalani](#).

It's been long since mechano-textile industry has been asking for machineries that could offer special treatments for fabrics. It was strictly necessary to go from the non-continuous process – costing time and money – to continuous, with the guarantee of results repeatability and of a quantitatively higher production, so that no market ended up being excluded. And, above all, to go from in rope processing to open width. But not only this. In the textile finishing, a machinery like this already existed – both open width and continuous – where fabric is being moved, then impact and goes back. But what didn't exist is a machinery that does all this DURING the washing process with transport of the fabric obtained completely by air. Finally, it does. And is called AQUARIA®.

The [textile](#) industry is full of creativity, but they're also aware of obstacles in the production process. And it often happens that designers' requests crash against the real production possibilities. Until now. In fact, according to specific requests, ideas and dreams they came across, [Biancalani Textile Machinery](#) created AQUARIA®, such a new textile machinery that, with any production obstacles completely overcome, it gives you the freedom to think about brand new manufacturing processes.

For the very first time, AQUARIA® leaves behind the non-continuous in rope process and focuses on open width continuous process. Straight aware of what it means in terms of advantages – no marks or crease marks, no need to re-open the fabric – you can finally be as free as water and think about new products to display to clients. Or realize a product you've been thinking about for so long, and that now thanks to AQUARIA® you can actually create.

Furthermore, the fashion industry asks for fabrics realized following very specific processes, which are possible only with a high dwelling time of textiles inside the machinery and a deep mechanical washing action. AQUARIA® is all of this and so much more. A machinery based on the AIRO® technology and more than 30-year know how that distinguishes [Biancalani](#) in the international mechano-textile market.

But what's that "much more" of AQUARIA®? That's pretty easy to say. Operators got the makings of AQUARIA® at once during [ITMA 2019](#), when it was presented together with [AIRO24EVO5](#), [AIRBOX](#) and [BRIO®24](#) machineries. AQUARIA® allows a large number of washing processes, i.e. enzyme treatments, fibrillation and defibrillation (tencel), bio-polishing, desizing, bleaching, weight reduction, degumming and others, in order to achieve very special results, among which:

- Delavé and color reduction
- Tencel and lyocell fibrillation and defibrillation
- Enzyme washing
- Sense effect on cupro and blends
- Opalescence
- Frosting effect

Also, the modularity of AQUARIA® meets any production need. But above all, AQUARIA® is a machinery that puts into effect any new request. It's a totally new world of potentialities ready to be discovered and that's what the worlds of textile and fashion were waiting for.