



Air jet weaving machine JAT710

As our information-oriented society continues to evolve, the needs of our customers are becoming increasingly diverse and complex. In response, Toyota has developed the JAT710, a new generation of air jet loom equipped with the latest in electronic control technologies, aimed at taking today's weaving mill into the future.

The JAT710 is designed with the same concept as the JAT610: "weaving the highest quality fabric at the lowest possible cost," and boasts improved features such as higher speed, lower vibration and lower energy consumption. Plus it is equipped with the latest electronics technology such as a new Internet-capable color function panel, taking today's weaving mill into a new dimension.

New technology offers even greater savings in air consumption of up to minus 20% compared to the previous model JAT610.

Thanks to a new weft insertion mechanism, a new frame structure and a faster CPU, the JAT710 is capable of running at maximum 1250 rpm.

The JAT710 was built using 3D design and computer analysis to optimize the frame structure, including the cross rail connections, and to realize lighter weight and optimum balance of the beating mechanism. These improvements enable lower vibration even during high-speed operation and result in smooth running, better efficiency and lower spare parts consumption. The JAT710 features the most advanced electronics technology in the industry, including a new Internet-ready color function panel with enhanced communication capability and a new, faster CPU.

A full range of standard equipment and a variety of options allow the JAT710 to weave fabrics that were previously mostly woven by rapier looms, including ultra-wide home furnishings fabric, stretch fabric, fabric of different yarn types and counts, airbags, seersucker and fabric with tuck-in selvedge.