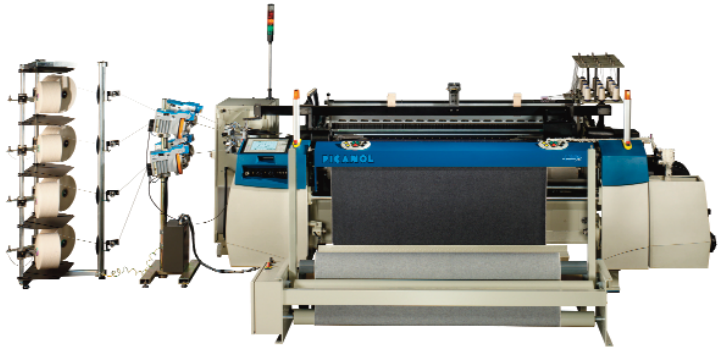
Picanol displays four high-tech energy-efficient weaving machines

Picanol will display four high-tech weaving machines on its booth at INDIA ITME 2008. In addition to these four looms, one Picanol Jacquard airjet weaving machine will be on display on the **Stäubli booth**, and another **Picanol** weaving machine will be on display at the **Van De Wiele** booth. In the month of May, Picanol launched a campaign challenging weavers all over the world to see for themselves how much they could be saving on energy costs. At INDIA ITME 2008 each weaver who has taken part in the campaign can collect a report with personalized results and energy saving tips.

Energy – Your challenge, our solution

Energy efficiency is one of the highest priorities for weavers when buying new weaving machines. In the month of May Picanol launched a large-scale campaign to challenge weavers worldwide to see for themselves how much they could be saving on energy costs. All they have to do is fill in a few details about their current machinery and usage on the dedicated website www.picanol.be/energychallenge. In just a few moments the website calculates just how much more the weaver could be getting out of his energy. In most cases savings on energy costs of up to 20% or more are to be expected.



GT-Max 6-R 190 - Rapier weaving machine.

Personalized report for weavers at ITME

Weavers who have filled in the form on www.picanol.be/energychallenge can collect a personalized report on the Picanol stand at INDIA ITME 2008. The report contains the results of the calculations and a set of guidelines for the weaver to get the most out of his energy, personalized to his own machine configuration and machine usage. In this way, Picanol wants to assist its customers to get the most out of their energy.

Energy efficiency really affects the bottom line

Recent independent market research has concluded that the majority of weavers rank energy consumption among the top five criteria when buying a new weaving machine. Around 74% of those surveyed found electricity costs related to machine operation and air compression to be the most important external cost factors when evaluating the efficiency of their installed machines. 76% regard energy costs as the single major challenge with respect to cost control over the next 5 years.

Picanol's customers understand all too well that energy efficiency really affects the bottom line of their business, and it is one of their main concerns when looking for new machines. Equally, it is of great concern to Picanol when designing them.

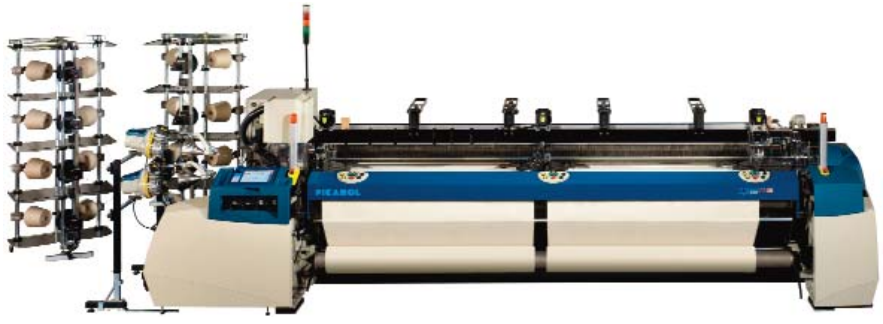
Picanol weaving machines are highly energy-efficient

All Picanol weaving machines have various high-tech features that reduce energy consumption in a unique way:

- the highly energy-efficient Sumo main motor, which drives the weaving machine directly, without belt of clutch and brake.
- less heat dissipation, which reduces the cost for air conditioning in the weaving mill.
- removing heat with water cooling system (patented).

Specifically in Picanol airjet weaving machines:

- fixed and movable main nozzles for very high performance and minimal air consumption.
- new relay nozzles and valves for minimal air consumption.
- Adaptive Relay Valve Drive, which automatically adapts the relay nozzle settings to the behavior of the filling yarn during insertion.
- Autospeed, which adjusts the machine speed to the air-friendliness of the filling yarn.
- Picanol Catching Device (patented), which reduces the requirement for the relay nozzles to keep the filling yarn stretched, and thus further reduces the air consumption.



OMNIplus 800 2-P 340 Airjet weaving machine

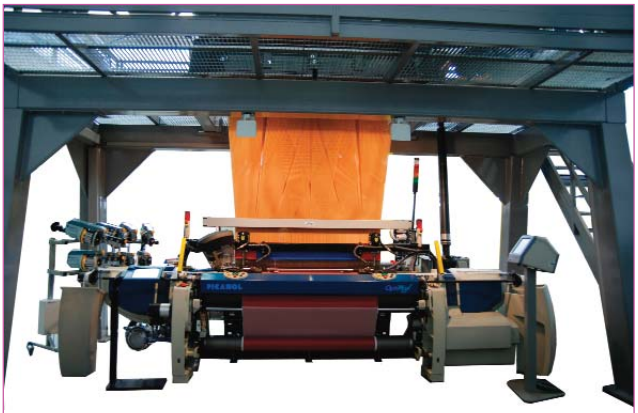
Picanol weaving machines on display at India ITME 2008

GT-Max 6-R 190 - Rapier weaving machine		
Style	shirting	
Warp	yarn count	Ne 80/2
	material	cotton
	density	56 ends/cm
Weft	yarn count	Ne 56/1
	material	cotton
	density	28 picks/cm
Drawing-in width		158 cm

Special features: guided-gripper insertion system, Sumo main motor, Elsy selvedge motion, Quick Step filling presenter.

OMNIjet 4-P 190 - Airjet weaving machine		
Style	denim	
Warp	yarn count	Ne 7.8
	material	cotton
	density	24 ends/cm
Weft	yarn count	Ne 5.8
	material	cotton
	density	17.5 picks/cm
Drawing-in width		169 cm

Special features: Sumo main motor, 4-color insertion, Neuenhauser batching motion



Picanol Optima x Bonas

OMNIplus 800 2-P 340 Airjet weaving machine		
Style	sheeting	
Warp	yarn count	Ne 40
	material	cotton
	density	50 ends/cm
Weft	yarn count	Ne 80
	material	cotton
	density	28 picks/cm
Drawing-in width		320 cm

Special features: Adaptive Relay Valve Drive, air tucking-in with continuous reed, hybrid harness frames without center brace, 4-pick insertion, easing motion, automatic full pick finding.

OptiMax 6-R 220- Rapier weaving machine		
Style	worsted	
Warp	yarn count	Nm 72/2
	material	wool
	density	26 ends/cm
Weft	yarn count	Nm 90/2
	material	wool
	density	29 picks/cm
Drawing-in width		175 cm

Special features: Free Flight insertion, tucking in, Quick Style Change with split frame, Picanol knot extractor, fabric lightening, interactive display.

OptiMax 8-J 190 - Rapier weaving machine with jacquard - On the Stäubli booth		
Style	upholstery	
Warp	yarn count	dtex 167/f 48
	material	polyester texturized
	density	66 ends/cm
Weft	yarn count	Nm 60 -> Nm 1.2
	material	various
	density	WPS pattern
Drawing-in width		148 cm

Special features: prewinder LGL - progress, mechanical filling cutter, Free Flight insertion with race board, insertion blowing system, upper shed retainer, Sumo with Optispeed, interactive display, electronic leno system.

OptiMax 8-J 190 - Rapier weaving machine with jacquard - On the Vande Wiele booth		
Style	upholstery	
Warp	yarn count	denier 84
	material	polyester
	density	66 ends/cm
Weft	yarn count	Polyester denier 150, 330
		Lurex
		Chenille Nm5,3
	density	49-60
Drawing-in width		130 cm

Special features: prewinder IRO: chrono X2 + Luna X2, mechanical filling cutter, Free Flight insertion with race board, insertion blowing system, upper shed retainer, Sumo with Optispeed, interactive display, electronic leno system.