




**BONAS at ITMA Barcelona – 22nd to 29th of September 2011**  
**Hall 3 – Booth C202-207**  
**Inventors of the electronic Jacquard, always in the lead!**

**BONAS:**  
**Inventors of the electronic Jacquard**  
**Innovators of the electronic Jacquard**  
**Intelligent technology for the electronic Jacquard**

Bonas will present and demonstrate:

**Low power consumption:**

We satisfy all Jacquard weaving needs with **only two models**: ZJ (Fig. 1 & 2) and LJ (Fig. 3).

		
<i>Fig. 1 (presented model: ZJ1-24) ZJ for standard speed</i>	<i>Fig. 2 (presented model: ZJS2-28) ZJS for high speed</i>	<i>Fig. 3 (presented model: LJ11-48) LJ range for all applications</i>

Both boast harmonic mechanism driving low friction selectors.  
 Both benefit from low torque, low mass and low inertia.  
 Both models, despite strength and agility, use only a minimum number of mechanical connections - one shaft connects both sides of lifting arms, but because of light torque, without excess torsion.  
 With our **LJ range**, designed with bigger capacity hooks sizes in mind, we use **dual cam box** for concise shed control and dwell shed capabilities.  
 The **power consumption** of our solenoids, always low compared to other weaving processes, has even been reduced massively over the past two generations of Bonas Jacquard machinery.  
**Why compromise when ZJ/LJ delivers power economy, fastest speeds and perfect reliability?**

**Low maintenance:**

Accessible greasing points.  
 Not necessary to remove machinery covers.  
 Our patented solenoid – *attracting hook- to latch* selectors, with only one moving part is exempt of any maintenance or lubrication – a major advantage when accessible Jacquard sizes frequently within use are 6144 hooks or above.

**The Electronic Jacquard is the ultimate weaving accessory.**  
**Make your ultimate accessory an easy one to care for – make it a Bonas.**

### **100% Diagnostics:**

Selector simplicity. Relax safe in the knowledge of fault free fabric.

Bonas selector, with its inherent 100% electronic principles, gives 100% diagnostic, fault control.

Other important factors – temperature, air flow, design integrity and many others – are closely monitored, managed and cared for, so you don't have to.

The whole intelligent system is powered by current drive technology, delivering the correct amount of power, always, despite whatever inconsistencies your outside power supply may have.

**Again, we give piece of mind with our products – commercial environments may compromise your business but don't compromise where you have control.**

**Decide on the best machinery; decide on a Bonas electronic Jacquard.**

**Adjustable Split heck:** Free your yarns from the stresses of reed beat up.

The adjustable split heck improves quality and efficiency.

**Warp separation** – a common weaving problem, overcome on easier weave disciplines, such as dobby by adjustment of shaft positions.

Why not an equally easy solution with Jacquard weaving?

Bonas – with its innovative forward thinking and long and close affiliation with Jacquard weaving – provide an **effective solution** when others have simply turned their backs.

### **Terry Adjustable Split Heck:**

Manage and control your pile yarns without additional processes or equipment.

Because of our sound selector principals and our technical innovation towards weaving we create two separate sheds, within the geometry of the moving mechanism.

We control one shed for the pile and the other for the ground.

Adjustments are infinitesimal, thus allowing increased efficiency, increase in quality and a growing confidence for flamboyant designs!

### **Flat fabric Adjustable split Heck:**

Infinite warp separation eliminates yarn damage or shadow effects on finished woven fabric.

Again, because of our sound selector principals and our technical innovation towards weaving we create two separate sheds, but using odd and even rows to differentiate.

Same efficiency improvements can be expected and, just as importantly, so can the easy adaption of more complex designs with varying ranges of yarn types, sizes and quality.

### **“To the core we are weavers”**

We develop technologies and products to the benefit of our customers, **you**, the **weaver** because to the core, we are weavers too.

Open your minds.

**Visit Bonas in Hall 3, booth C202-207**

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