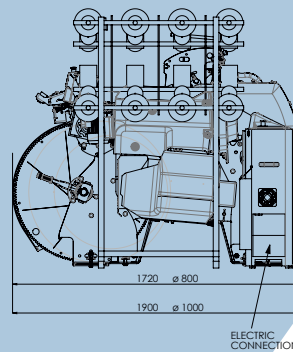
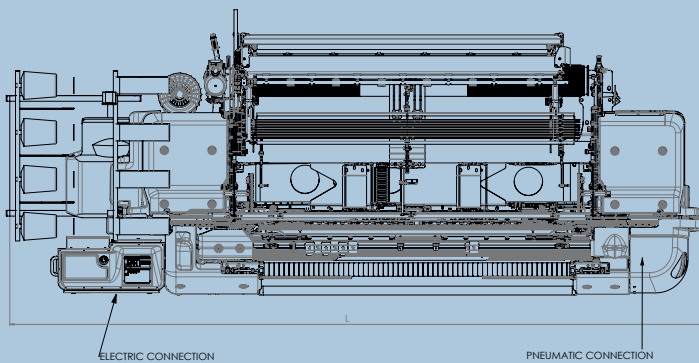


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FORMERLY **PANTER**

MAXI

# MAIN FEATURES



NOMINAL	L
1450	4250
1600	4400
1900	4700
2100	4900
2300	5100
2400	5200
2600	5400
2800	5600
3000	5800
3200	6000
3400	6200
3600	6400

**Nominal width [cm]:** 145, 160, 190, 210, 230, 240, 260, 280, 300, 320, 340, 360

**Weaving width:** Max = nominal width + 60 mm;  
Symmetric width reduction: 600 mm (standard) or 1000 mm (opt)  
Asymmetric width reduction: 300 mm on rhs.

**Shed formation:** Staubli electronic dobby type 2668/2670 for 8-10-12-16-20 frames  
Frame connection: DRC1 (standard). QSC solution: DRC4  
Electronic Jacquard

**Colors:** 4, 8 or 12, freely programmable

**Weft density:** 5 up to 200/cm (standard), 2 up to 100/cm (opt)

**Beam arrangement:** Single for 800 or 1000 mm flanges  
Twin (from w. 260) for 800 or 1000 mm flanges  
Double beam on floor, 700+500 mm  
Top beam for 800 or 1000 mm flanges  
Multiple beam on request

**Raceboard:** Guided with different shaped hooks  
HF version without hooks in the shed

**Back roller:** "Jumbo" version  
Overall tension reading system by loadcell  
Fixed or rotating, chrom plated or "satin" finish cylinders

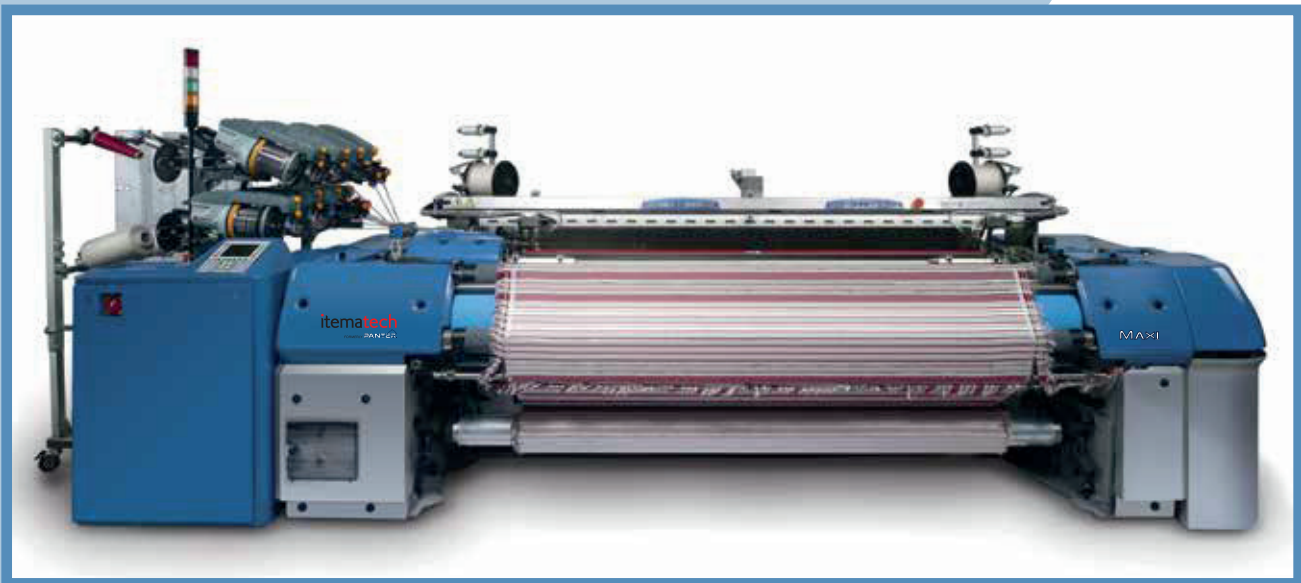
**Selvedges:** Independent mechanical leno devices for 2 or 4 ends, lateral and central  
Mechanical cutters, lateral and central

**Main options:** Motorized leno devices for 2 or 4 ends, lateral and central  
Motorized cutters, lateral and central  
Thermal cutters for welded selvedges  
Tuck-in selvedge devices, lateral and central  
Arrangement for external batcher  
LED lighting for reed area

**Electronics:** Staubli control unit with dual processor  
Option: new generation system with VGA MMI

# AN EFFICIENT PARTNER FOR MODERN WEAVING

*Flexibility, consistent performance, reliability and outstandingly easy to use: the qualities that make MAXI the perfect machine for modern weaving.*  
*Easy to run and technologically advanced, MAXI is the epitome of continual improvement which has made manufacture of demanding textiles easy, economic and guaranteed, from the most delicate to the heaviest.*



*Appreciated especially in the clothing and furnishings sectors, where its versatility can really be seen, Maxi guarantees excellent results in terms of both cost/performance and quick return on investment.*



MAXI

# TECHNICAL CHARACTERISTICS

*A traditional insertion system, the only one of its kind, which makes it possible to have the machine set up for negative or positive rapier exchange, is a distinctive feature of MAXI: the machine has seen consistent optimisation and technological development around this cardinal concept.*

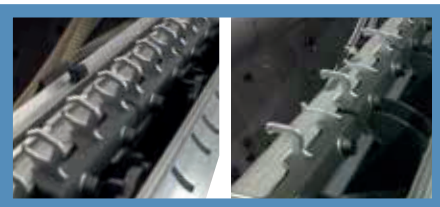
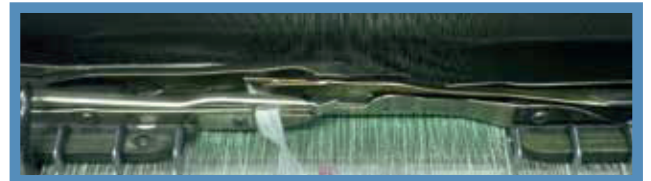
*This has made it possible to reach fundamental goals, including easier weaving of very different articles, in terms of weight and density, greater operating flexibility thanks to textile regulation simplification and a considerable increase in energy efficiency.*

*The machine's standard equipment means it is ready to achieve optimum setup in very short times, avoiding the need to adopt dedicated accessories. The backrest, and very rigid structure along with low mass reading cylinder and great sensitivity, combined with renewed shed configuration, means this machine has great performance, helping to increase textile efficiency, reducing warp stress and shed shrinkage effect on heavy textiles.*

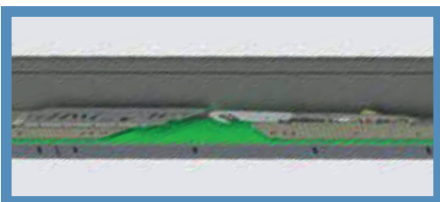


*The main control, with direct motorization and high-efficiency Carbon Drive transmission combines perfectly with the traditional Propeller tape movement system, a focus of decisive reengineering. The result is extraordinarily fluid movement guaranteeing a total performance level, significant reduction in energy use, very quick transitions and great reliability. Programming of speed directly from the pattern contributes to greater textile efficiency, making the machine more versatile.*

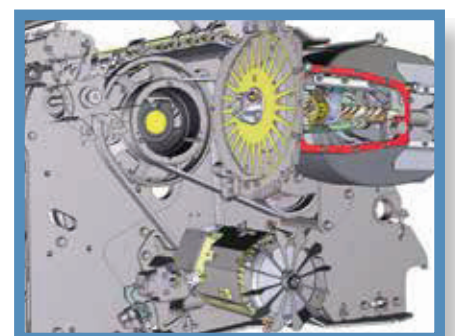
- ▶ *All-steel, pre-formed, high-strength, miniaturised rapiers, making it possible to use reduced size tapes and as a result small shed, reducing warp tensions.*

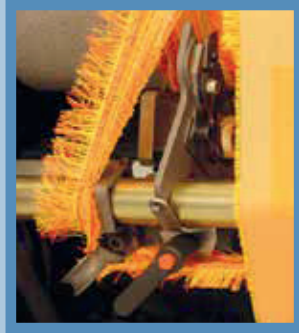


- ▶ *Tape guiding hooks with different profiles allow the machine to adapt to the widest range of situations, without limiting use of high-density warp or particularly delicate yarns. For the most extreme needs there is the HF version, without hooks in the shed.*



- ▶ *The special law of motion in the renewed Propeller tape drive system ensures low speed in the critical phases of weft gripping, exchange and release, as well as easy regulation when cutting, giving better textile efficiency and versatility, reducing weft waste.*





► A comprehensive range of electronically controlled devices, such as lateral and central scissors, independent selvedge formation devices, mean setup and changing style is easy and cost-effective.

► The frames, thanks to their multilayer concept, with box-section beams, guarantee high rigidity and very high damping capacity.



► Elimination of the clutch brake, simplified mechanics, and outstanding reliability are the main characteristics of the Direct Drive motor, which has always been fitted to Panter machines. Ready response guarantees high quality fabrics, beating overload peaks and bringing down energy consumption.

► A powerful control unit with dual processors controls the machine's multi-axis architecture, managing the various motorized command and control devices.

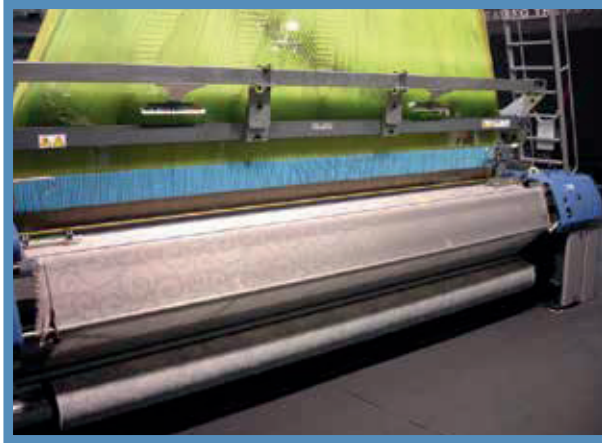
The user interface is simple but effective, with multiple-choice menus making for quick, intuitive programming.



► As an option, Maxi can be equipped with the **innovative, powerful** electronic system, designed together with one of the worldwide major company in the automation field, B&R. A complete and intuitive interface, able to manage all the machines functions with a simple touch, guaranteeing the greatest range of connections, exploiting the benefits of modern ICT systems.

► Thanks to the large choice of options, MAXI can easily be adapted to meet different production requirements: from beam versions, different solutions to quickly change style, varying the number of colours (up to 12), motorized cutting through to selvedge formation devices.





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