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## OmniPlus-i TC Connect



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# New OmniPlus-*i* TC Connect

- Improved insertion thanks to combination of new generation of sley drive cams and relay nozzle pitch of 60 mm
- Maximum speed 1000 rpm
- Redesigned SUMO drive concept
- BlueBox electronic platform
- Smart signal lights
- BlueTouch 15.6" touchscreen display
- Robust machine frame structure with low vibration level
- Easy width adjustments
- Standard with asymmetrical as well as symmetrical width adjustment
- Extra reinforced harness frames with DRC30 connection



# Improvements tire cord weaving

## Insertion

- Standard in 4 channel execution (3 x Blue22 EasySet rewinder, 1 x Blue11 EasySet rewinder)
- With AirWave, insertion pressure for relay nozzles individually set for cord and tabby weaving

## New version of the compensating unit

- Redesigned sturdy structure
- Weavers-platform with removable sections for better access to cords
- Compensation by synchronised pivoting roller capable of taking up 2 meters
- Compensator with easy locking functionality
- Air spring supported cover with detection for easy operation

## New version of the drawing in unit

- With a big drawing-in roller, covered with rubber
- Equipped with press roller, activated on both sides by a pneumatic cylinder
- Fully reversible motion
- Much better for ergonomics, lower height resulting in improved accessibility for the weaver
- Integrated and dedicated ELO-drive

## Selvedge

- New execution of temple supports in combination with increased temple movement stroke
- Improved overall ergonomics of the set-up
- With ATI (Air Tucking-In) compatible with continuous reeds execution
- Improved execution of the push blower

## Take-Up

- Optimized pressure roller arrangement for take up
- Constant winding tension, precision measurement of cloth tension by TSF sensor
- The pressure between cloth roll and carrying rollers is constantly measured by a load-cell and compensated by an elevator-system, driven by a precision spindle
- Carrying rollers: rubber covered
- Powerdoffing of the cloth roll by means of the elevator system and dedicated doffing platform on batching motion for smooth rolling of cloth roller
- New execution of motor brake set-up for the batching motion

## Safety

- Machines are delivered according to CE standard and equipped with light curtains and electronical guarded covers
- Emergency switches, activated by safety cords are positioned on batching motion and on feed unit for additional operator safety
- Light grids integrated in side frames
- With parking brake on the main drive

# Now enabled by PicConnect

PicConnect is our online platform offering digital services. It serves as a powerful extension of your weaving capabilities. Whatever your reflexes tell you to do, PicConnect amplifies it. We call it intuitive weaving – it's about allowing you to follow your weaving instincts.

Learn more at [www.picanol.be/intuitiveweaving](http://www.picanol.be/intuitiveweaving)



## Technical specifications

\* patented  
\*\* patent pending

### Fabric specifications

Useful width	190 cm
Width reduction	75 cm (symmetrical and asymmetrical)

### Connect packages

		Standard	Optional	Aftermarket
Monitor package		-	●	●
	PicConnect enabled	-	-	-
	Access control	-	-	-
	Raw material use	-	-	-
Smart savings package		-	●	●
	Power monitoring	-	-	-
	AirMaster with integrated air consumption meter *	-	-	-
	ARVD II Plus - Adaptive Relay Valve Drive *	-	-	-

### Optional features

PRA II Plus - Pick Repair Automation *	-	●	●
PSO - Prewinder Switch-Off	-	●	●

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