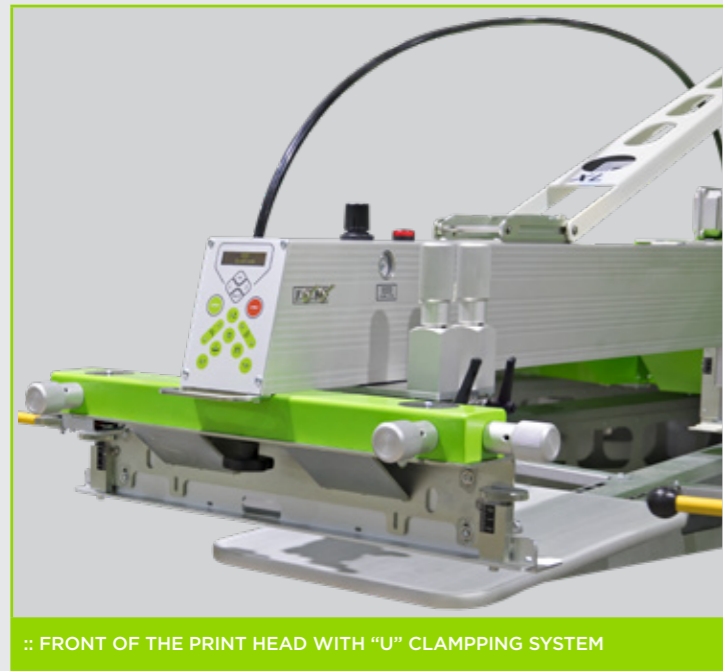


The ROQPRINT ECO incorporates ROQ's **latest technological innovations**, which have been tested and proven by our customers. Along with all the characteristics inherent to the YOU, the innovative ECO has several systems that

improve performance by reducing setup times.

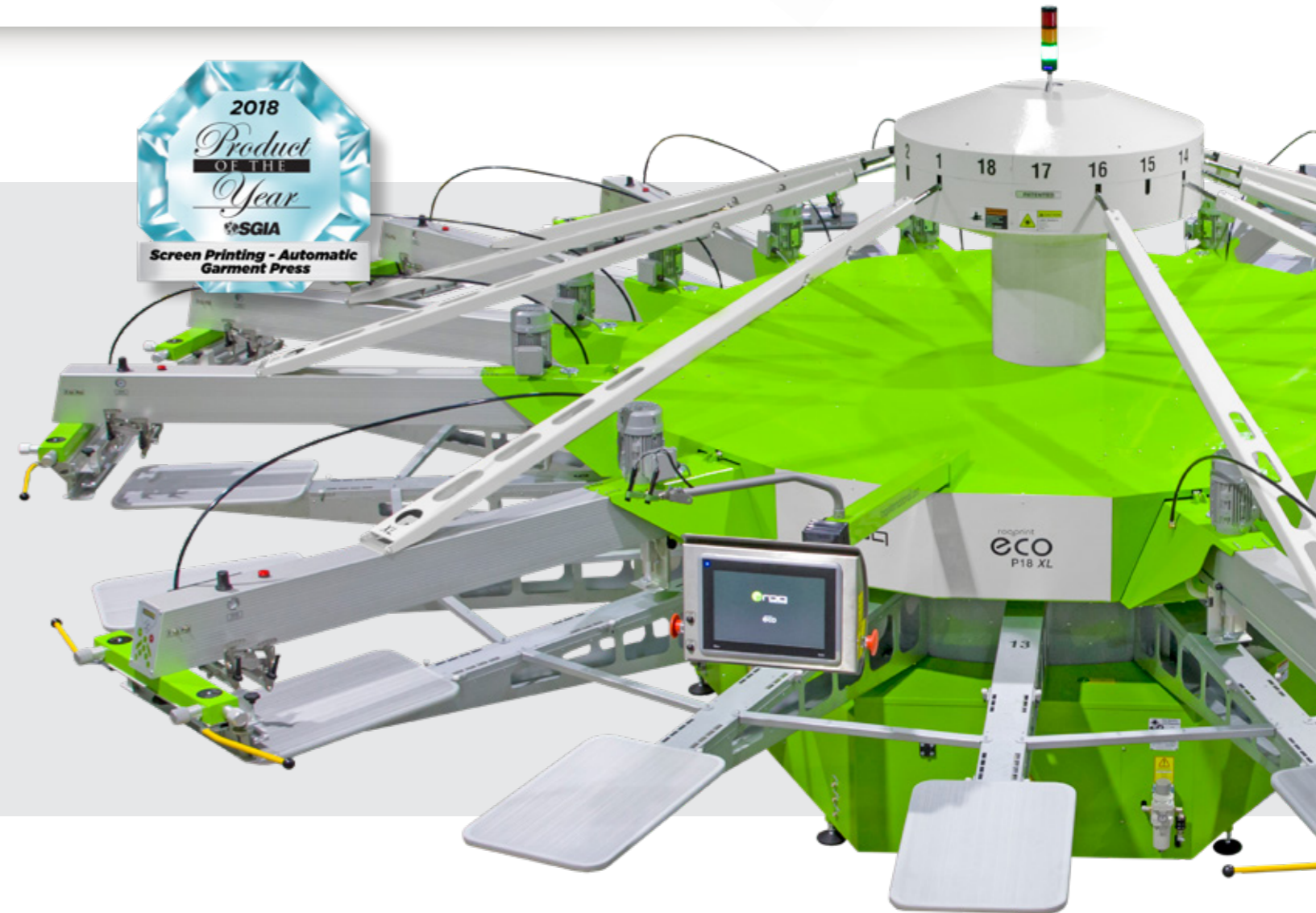
The independent elevation of the printing heads lead to significant energy savings.



FRONT OF THE PRINT HEAD WITH "U" CLAMPING SYSTEM

- Aluminum honeycomb pallets (i)
- Squeegees with electric movement with AC inverter (i)
- Independent control panel on all print heads (i)
- Choice of pneumatic screen holder: "U" clamp or pin system (i)
- Print heads independent elevation
- AC servo-motor rotation system (i)
- Central control panel with polychromatic LCD touch screen (10") (i)
- Micro registration screen system with vernier scale (i)
- Individual controls for managing print and flood speed, height, angle of the squeegees and stroke length (i)
- Placement of the Flash Cure units under the print head (i)

(i) - for more information check pages 22-23



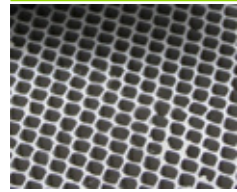
ROQPRINT ECO	P10 L	P12 L	P14 L	P16 L	P18 L	P20 L	P12 XL+	P14 XL+	P16 XL+	P18 XL+	P20 XL+	P10 2XL	P14 2XL	P10 3XL	P14 3XL
number of colors (max.)	8	10	12	14	16	18	10	12	14	16	18	8	12	8	12
number of pallets	10	12	14	16	18	20	12	14	16	18	20	10	14	10	14
nr of flash cure connection units (optional)	4	5	6	7	8	9	5	6	7	8	10	4	6	4	6
maximum print size (mm/inch)	480x630 / 19"x24.8"	480x630 / 19"x24.8" 700x700 / 27.6"x27.6" *					600x800 / 23.6"x31.5" 700x1000 / 27.6"x39.4" *					700x1000 / 27.6"x39" 800x1000 / 31.5"x39.4" *		800x1100 / 31.5"x43.3" 1000x1100 / 39.4"x43.3" *	
maximum screen size (mm/inch)	640x980 / 25"x38.6"	640x980 / 25"x38.6" 860x1050 / 33.9"x41.3" *					720x1100 / 28.4"x43.3" 860x1350 / 33.9"x53.2" *					850x1350 / 33.5"x53.2" 950x1350 / 37.4"x53.2" *		950x1450 / 37.4"x57.1" 1150x1450 / 45.3"x57" *	
maximum pallet size (mm/inch)	530x880 / 21.9"x34.5"	530x880 / 21.9"x34.5" 750x950 / 29.5"x37.4" *					620x1050 / 24.4"x41.3" 750x1240 / 29.5"x45.3" *					750x1240 / 27.6"x39" 850x1240 / 33.5"x48" *		850x1350 / 33.1"x53.5" 1050x1350 / 41.3"x53.1" *	
maximum frame profile / thickness (mm/inch)	50 x 50 / 2" x 2"						50 x 50 / 2" x 2"					50 x 50 / 2" x 2"		50 x 50 / 2" x 2"	
index precision (mm/inch)	+0.025 / 0.001"						+0.025 / 0.001"					+0.025 / 0.001"		+0.025 / 0.001"	
maximum production (pieces/h) **	1300						1200					1100		1000	
compr. air consumption (l/min. 7 bar) ***	40 l/min - 0.7 cfm + number of each printhead														
maximum consumption (kVA) ****	6.5	7	7.5	8.5	9.5	10.5	7	7.5	8.5	9.5	10.5	8	10.5	8	10.5
machine diameter (mm/feet)	4500 / 14.8'	5050 / 16.6'	5400 / 17.7'	5750 / 18.9'	6250 / 20.5'	6700 / 20.5'	5650 / 18.5'	6000 / 19.7'	6350 / 20.8'	6850 / 22.5'	7250 / 23.8'	6050 / 19.5'	7200 / 23.6'	6500 / 21.3'	7600 / 24.9'
total height (mm/feet)	2350 / 7.7'	2370 / 7.8'	2440 / 8'	2510 / 8.2'	2540 / 8.3'	2540 / 8.3'	2370 / 7.8'	2440 / 8'	2510 / 8.2'	2540 / 8.3'	2540 / 8.3'	2435 / 8'	2495 / 8.2'	2435 / 8'	2490 / 8.2'
minimum width of the base (mm/feet)	1670 / 5.5'	1670 / 5.5'	1920 / 6.3'	2020 / 6.6'	2300 / 7.5'	2300 / 7.5'	1670 / 5.5'	1920 / 6.3'	2020 / 6.6'	2300 / 7.5'	2300 / 7.5'	2000 / 6.6'	2300 / 7.4'	2000 / 6.6'	2300 / 7.4'

* | double index
 ** one squeegee with flooding for a A4 print.
 *** consumption of each printhead: 90 l/min. | 3.15cfm in 20 pieces/min.
 **** these values exclude the consumption with flash-curing, they should be calculated separately, taking into account the number and model of the flash cure employed on the machine. See flash cure page.
 - power supply: 220V, 3x220V, 3x400V in 50Hz or 60Hz.

OPTIONS

- LASER MARKERS (p. 23)
- POWER AND CONTROL CONNECTIONS FOR FLASH ARE BUILT INTO THE MACHINE BASE (p. 23)
- FLASH CURE UNITS (p. 16-17)
- COMPATIBLE WITH ROQFLOCK (p. 18)
- COMPATIBLE WITH ROQPRESS FOIL (p. 20)
- SKIP FUNCTION (p. 23)

Common features of the screen printing machines:



ALUMINUM HONEYCOMB PALLETS

The optimal material in screen-printing pallet construction offering temperature regulation and light weight construction. Since these pallets are lighter than traditional pallets, they allow for lower energy consumption and eliminate inertia problems.



POLYCHROMATIC CENTRAL PANEL WITH TOUCH-SCREEN

ROQ presses use a central console that controls the press and all its accessories. We designed this control panel to be intuitive and user-friendly.



COMMAND PANEL IN EACH PRINTING HEAD

Each print head offers an additional control panel allowing the user to control all functions pertaining to that station as well as start, stop and palette rotation features.



PRINT HEAD ELEVATION FOR EASY SCREEN CLEANING

The print heads have a mechanical balancing system that allows for effortless manual lifting of the print head for cleaning the screens. In the OVAL EVOLUTION, this feature is automated.



All print heads are equipped with height adjustment, angle and stroke lengths as well as print speed and coverage speed. The squeegees movement is electric with AC inverter. On the NANO however, squeegee movement is pneumatic.



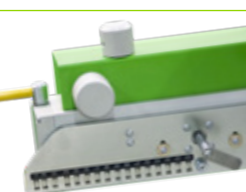
PNEUMATIC SCREEN HOLDER "U" CLAMP SYSTEM



OPTIONAL FOR "U" CLAMP: **UNIREG SYSTEM**



PNEUMATIC SCREEN HOLDER PIN SYSTEM



OPTIONAL FOR PIN SYSTEM: **NEWMAN SYSTEM**



MICRO REGISTRATION SYSTEM WITH VERNIER SCALE

Precision system that allows for an accurate, simple and quick final adjustment of the screens.



PLACEMENT OF THE FLASH CURE UNITS UNDER THE PRINT HEAD

The ROQDRY units can be rolled under any print head lifted in the high position. They get their power from a plug located on the base of the machine. There is no need for an external power drop. There is an additional command connection at the base of the machine allowing communication with the main control panel. The NANO press has flash cure units incorporated in the machine.

**FREQUENCY DRIVE ROTATION FOR A QUICK AND SMOOTH INDEX (NANO AND YOU)
AC SERVO-MOTOR ROTATION SYSTEM FOR A GREATER PRECISION ON THE SPINNING AND SMOOTHER ROTATIONS (ECO, OVAL PRO, OVAL EVOLUTION)**

OPTIONS:



CONNECTIONS FOR THE FLASH CURE UNITS ON THE MACHINE FRAME

All ROQPRINT machines accessories are connected directly to the machine frame. These links may include compressed air, power and control cable to sync the module with the machine making the whole work as one and avoiding any loose cables on your shop or any loss of time.



LASERS FOR POSITIONING OF THE TEXTILE PIECES

All ROQPRINT machines can be equipped with lasers to ensure that the placement of the textile pieces is consistent improving the work results.



SKIP FUNCTION

Allows for the operator to indicate the machine to skip a pallet that was not loaded with fabric. By not printing on that pallet it will generate savings in energy, consumables and others. Can come in a form of a button or a pedal.