



AUTOMATIC
TEXTILE
SCREEN
PRINTING

It is with great pleasure that we present **ROQ**'s solutions for automatic textile printing.

For more than 30 years **ROQ** has perfected the engineering that applies in the design and construction of its machines. **ROQ** develops, creates patents and continues to innovate in a daily basis to offer you the best machines in the world. Built with the highest quality materials and using an area of 260.000 square feet. The key to its continued success is that **ROQ** listens to its clients and develops equipments that will support the changes that the screen printing market needs.

Every machine sold is actively supported by our global service network.

Manuel Sá
ROQ CEO

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30 Years of knowledge, experience and engineering condensed into a **powerful platform for small prints**. The NANO can be moved **without the need to level** the machine increasing its **versatility**.



:: NANO FLASH CURE UNIT EMBEDDED IN THE STRUCTURE



:: COMMAND PANEL IN EACH PRINTING HEAD

ROQPRINT NANO	P10
number of colors (max.)	4
number of pallets	10
number of flash cure connection units (optional)	4
max drying area	200 x 200 / 7.9" x 7.9"
maximum print size (mm/inch)	200 x 200 / 7.9" x 7.9"
maximum screen size (mm/inch)	330 x 500 / 13" x 19.7"
maximum frame profile / thickness (mm/inch)	30 x 30 / 1.2" x 1.2"
index precision (mm/inch)	+/-0,025 / 0.001"
maximum production (pieces/h) *	1200
compressed air consumption (7 bar/102 psi) **	250 l/min - 8.9 cfm + number of each printhead
maximum consumption (kVA) ***	2
machine diameter (mm/feet)	2180 / 7.2'
total height (mm/feet)	2150 / 7'
minimum width of the base (mm/feet)	800 / 2.6'

* one squeegee with flooding.

** each printhead consumption: 60L/min | 2.11cfm 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 - 50Hz or 60Hz.

- the machine is delivered completely assembled.



- Aluminum honeycomb pallets ⁽ⁱ⁾
- Squeegees with pneumatic movement ⁽ⁱ⁾
- Independent control panel on all print heads ⁽ⁱ⁾
- Choice of pneumatic screen holder: "U" clamp or pin system ⁽ⁱ⁾
- Print head central elevation
- Frequency drive rotation system for a quick and smooth index ⁽ⁱ⁾
- Print heads with high-lift position for quick and easy screen cleaning ⁽ⁱ⁾
- Central control panel with polycromatic LCD touch screen (10") ⁽ⁱ⁾
- Micro registration screen system with vernier scale ⁽ⁱ⁾
- Individual controls for managing print and flood speed, height and angle of the squeegees and stroke length ⁽ⁱ⁾

:: OPTIONS

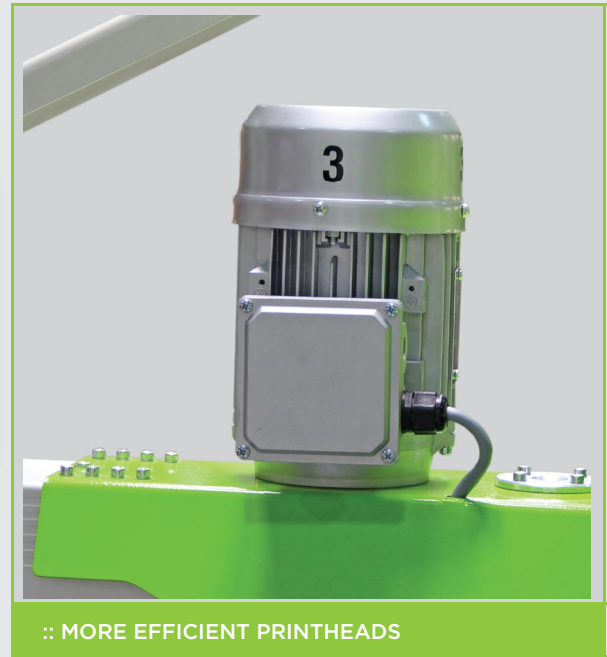
- FLASH CURE UNIT — IN THE NANO THESE COME EMBEDDED IN THE MACHINE.

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

Robust, fast, reliable and accurate, these are the main features of the ROQPRINT YOU. This automatic screen printing machine is designed to be **extremely easy to use**. It is equipped with a software that lets you control all



:: CENTRAL PANEL WITH NEW DESIGN



:: MORE EFFICIENT PRINTHEADS

ROQPRINT YOU	P08 M	P10 M	P12 XL	P14 XL	P16 XL	P18 XL	P20 XL	P22 XL
number of colors (max.)	7	9	10	12	14	16	18	20
number of pallets	8	10	12	14	16	18	20	22
nr of flash cure connection units (optional)	3	4	5	6	7	8	9	10
maximum print size (mm/inch)	400 x 500 / 16" x 20"		500 x 700 / 20" x 28" 700 x 1000 / 28" x 39" *					
maximum screen size (mm/inch)	560 x 850 / 22" x 33"		660 x 1000 / 26" x 39" 860 x 1300 / 34" x 51" *					
maximum frame profile / thickness (mm/inch)	50 x 50 / 2" x 2"							
index precision (mm/inch)	+-0.025 / 0.001"							
maximum production (pieces/h) **	1050			1000				
compr. air consumption (l/min. 7 bar) ***	250 l/min - 8.9 cfm + number of each printhead							
maximum consumption (kVA) ****	2	3	4	5	7	8	9	10
machine diameter (mm/feet)	3560 / 11.3'	3960 / 12.9'	5150 / 17.1'	5400 / 17.7'	5850 / 19.2'	6300 / 20.6'	6900 / 22.6'	7200 / 23'
total height (mm/feet)	2415 / 7.2'	2465 / 8.1'	2585 / 8.5'	2625 / 8.7'	2630 / 8.8'	2790 / 9.1'	2900 / 9.6'	2900 / 9.6'
minimum width of the base (mm/feet)	1100 / 3.60'		1550 / 5.1'	1800 / 5.9'	2050 / 6.8'	2300 / 7.54'		

* double index in XL models.

** one squeegee with flooding.

*** consumption of each electric printhead: 15l/min | 0.5cfm in 15 pieces/min.

**** these values exclude the consumption with flash-curing, they should be calculated separately, taking into account the number and mode cure on the machine.

- power supply: 220V, 3x220V, 3x400V - 50Hz or 60Hz

functions from the central panel. The YOU ensures the **versatility** and accurate **quality** in any work.

roqprint
YOU



- 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 head central elevation
- Frequency drive rotation system for a quick and smooth index (i)
- Print heads with high-lift position for quick and easy screen cleaning (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

:: OPTIONS

- YOU VACUUM VERSION WITH SUCTION PALLETS (p. 21)
- LASER MARKERS (p. 23)
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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



:: OPTIONAL: MOTORIZED MICRO REGISTRATION SYSTEM WITH MEMORY

- 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)
- Print heads with high-lift position for quick and easy screen cleaning (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	P12 L	P14 L	P16 L	P12 XL	P14 XL	P16 XL	P18 XL	P20 XL
number of colors (max.)	10	12	14	10	12	14	16	18
number of pallets	12	14	16	12	14	16	18	20
nr of flash cure connection units (optional)	5	6	7	5	6	7	8	9
maximum print size (mm/inch)	450 x 550 / 18" x 22"			500 x 700 / 20" x 28"				
maximum screen size (mm/inch)	600 x 900 / 24" x 35"			660 x 1050 / 26" x 39"				
maximum frame profile / thickness (mm/inch)	50 x 50 / 2" x 2"							
index precision (mm/inch)	±0.025 / 0.001"							
maximum production (pieces/h) *	1300			1200				
compr. air consumption (l/min. 7 bar) **	20 l/min - 0.7 cfm + number of each printhead							
maximum consumption (kVA) ***	7	7.5	8.5	7	7.5	8.5	9.5	10.5
machine diameter (mm/feet)	4600 / 15.1'	5020 / 16.5'	5420 / 17.8'	5220 / 17.1'	5620 / 18.4'	6020 / 19.6'	6530 / 21.4'	6900 / 22.7'
total height (mm/feet)	2500 / 8.2'						2550 / 8.4'	
minimum width of the base (mm/feet)	1670 / 5.5'	1920 / 6.3'	2020 / 6.6'	1670 / 5.5'	1920 / 6.3'	2020 / 6.6'	2300 / 7.5'	

print heads interspersed P10 3XL and P14 3XL - 800 x 1000mm / 31" x 39"

* one squeegee with flooding.

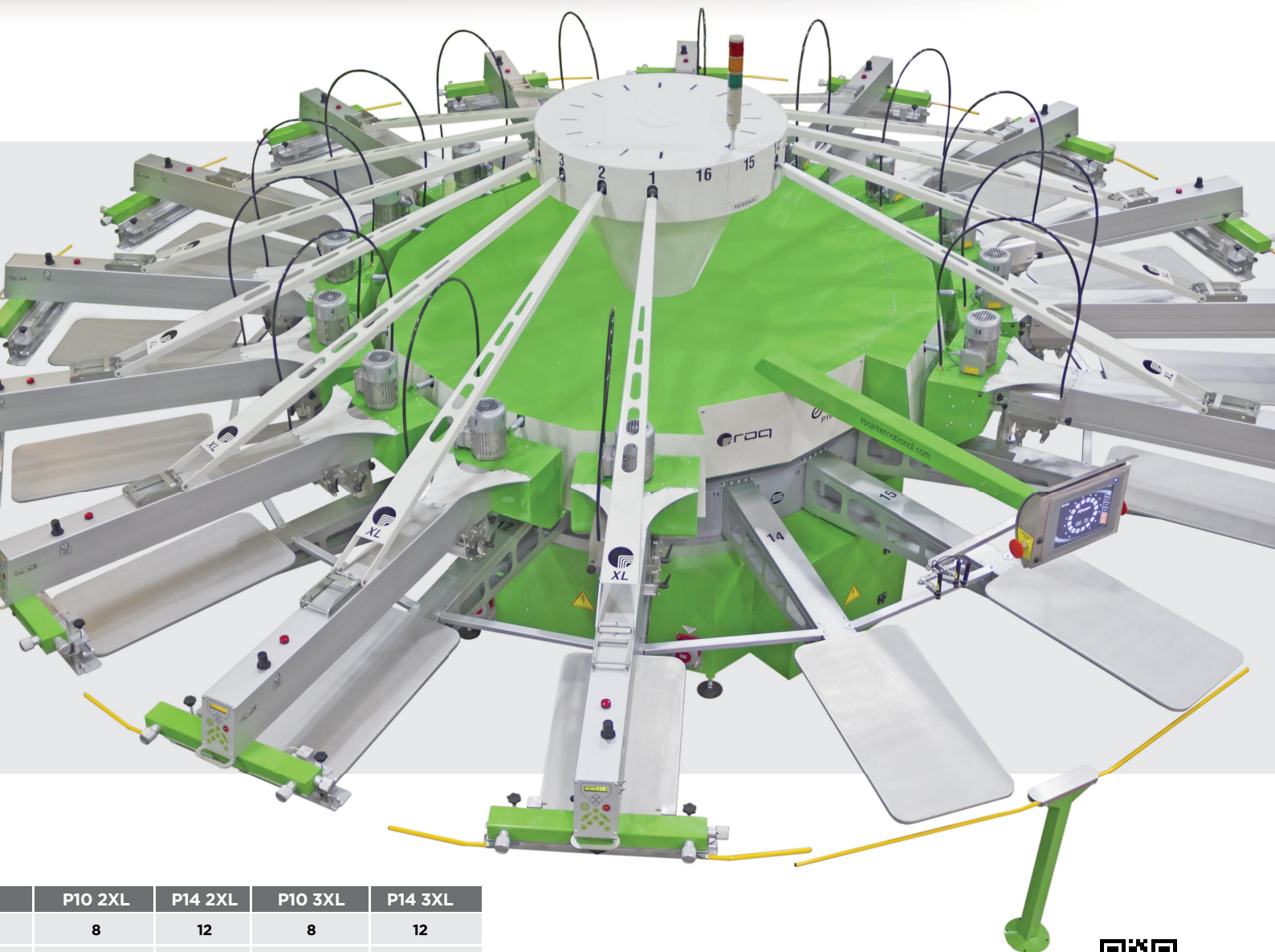
** consumption of each printhead: 90 l/min. | 3.15cfm in 20 pieces/min.

*** 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.

improve performance by reducing setup times.

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

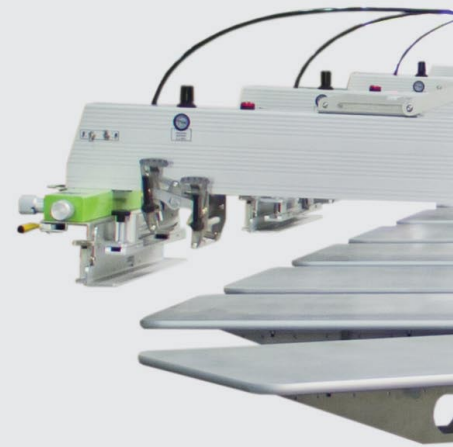


P10 2XL	P14 2XL	P10 3XL	P14 3XL
8	12	8	12
10	14	10	14
4	6	4	6
700 x 1000 / 27.6" x 39"		800 x 1100 / 31,5" x 43,3"	
860 x 1400 / 33.9" x 55"		960 x 1450 / 37,8" x 57,1"	
50 x 50 / 2" x 2"			
+-0.025 / 0.001"			
1100		1000	
20 l/min - 0.7 cfm + number of each printhead			
8	10.5	8	10.5
5920 / 19.4'	7020 / 23'	6120 / 20.1'	7700 / 25.2'
2570 / 8.4'		2500 / 8.2'	
2000 / 6.6'	2300 / 7.4'	2000 / 6.6'	2300 / 7.4'

:: OPTIONS

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15 years ago ROQ decided to create something that didn't exist, an oval press that holds registration with the same precision as a carousel press. Today ROQ is the global leader in oval printing machines building the best oval presses in the market.



:: POLYCHROMATIC CENTRAL PANEL WITH TOUCH-SCREEN

ROQPRINT OVAL PRO	P16 XL+	P20 XL+	P24 XL+	P28 XL+	P32 XL+	P36 XL+	P38 XL+	P44 XL+	P50 XL+	P56 XL+
maximum number of colors	1 to infinite									
number of pallets	16	20	24	28	32	36	38	44	50	56
number of flash cure connection units (optional)	6	8	10	12	14	16	17	20	23	26
maximum print size (mm/inch)	600 X 800 / 20" X 32"									
maximum screen size (mm/inch)	760 X 1150 / 30" X 45"									
maximum frame profile / thickness (mm/inch)	50 X 50 / 2" X 2"									
index precision (mm/inch)	+- 0.025 / 0.001									
maximum production (pieces/h)*	950									
compressed air consumption (l/min. 7 bar)**	120 l/min - 4.3 cfm + number of each printhead									
maximum consumption (kVA)***	6.5	8.5	10	11.5	13	14.5	19	20.5	22	23.5
total length (mm/feet)	7400/24.3'	9050/29.8'	10700/35.1'	12350/40.5'	14000/45.9'	15650/51.3'	16500/54.1'	18950/62.2'	21400/70.2'	23900/78.4'
total height (mm/feet)	2230 / 7.32									
total width (mm/feet)	3950 / 12.95									

* one squeegee with flooding.

** consumption of each printhead: 60 l/min. | 2.12cfm in 14 pieces/min. See flash cure page.

*** 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.

- power supply: 220V, 3x220V, 3x400V in 50Hz or 60Hz.

The OVAL PRO features an **exceptional robustness, speed, reliability with flawless registration.**

roqprint
oval pro



- 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)
- Print heads with high-lift position for quick and easy screen cleaning (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

:: OPTIONS

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The OVAL EVOLUTION is the flagship press in the ROQ line of automatic screen printing machines. It has impeccable performance at every level. The OVAL EVOLUTION is a model that **allows for larger printing areas**. It presents a **reduced maintenance** due to its robustness and reliability; a direct result of the innovative



:: PIEZO CONTROL PANEL: MOVEMENT AND POSITIONING OF THE SCREEN; RECORDING AND MEMORIZATION OF THE SCREEN POSITION

- 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)
- Print heads with automatic high-lift position for quick and easy screen cleaning (i)
- Central control panel with polychromatic LCD touch screen (15") (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 OVAL EVOLUTION		P16	P20	P24	P28	P32	P36	P40	P44	P48	P52
maximum number of colors		1 to infinite									
number of pallets		16	20	24	28	32	36	40	44	48	52
number of flash cure connection units (optional)		6	8	10	12	14	16	18	20	22	24
maximum print size (mm/inch)		XL: 500 x 700 / 20"x28" 2XL: 700 x 1000 / 28" x 39"									
maximum screen size (mm/inch)		XL: 660 x 1050 / 26" x 41" 2XL: 860 x 1350 / 34" x 53"									
maximum frame profile / thickness (mm/inch)		50 x 50 / 2" x 2"									
index precision (mm/inch)		+- 0,025 / 0.001"									
maximum production (pieces/h)*		XL: 950 2XL: 900									
compressed air consumption (l/min. 7 bar)**		120 l/min - 4.3 cfm + number of each printhead									
maximum consumption (kVA)***		6.5	8.5	10	11.5	13	14.5	19	20.5	22	23.5
XL	total length (mm/feet)	7100/23.3'	8750/28.7'	10400/34.1'	12050/39.5'	13700/44.9'	15350/50.4'	17000/55.8'	18650/61.2'	20300/66.6'	22000/72.2'
	total height (mm/feet)	2235 / 7.33'									
	total width (mm/feet)	3650 / 11.97'									
2XL	total length (mm/feet)	9400/30.8'	11600/38.1'	13700/44.9'	15900/52.2'	18000/59.1'	20200/66.2'	22400/73.5'	24500/80.4'	26600/87.3'	28800/94.5'
	total height (mm/feet)	2310 / 7.58'									
	total width (mm/feet)	4250 / 13.94'									

* one squeegee with flooding.

** consumption of each printhead: 60 l/min. | 2.12cfm in 14 pieces/min. See flash cure page.

*** 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.

- power supply: 220V, 3x220V, 3x400V in 50Hz or 60Hz

engineering and quality materials used to build it. The OVAL EVOLUTION can be configured to meet all the unique demands from your customer base and will allow you to **achieve your own personal level of excellence.**

roqprint
**oval
evolution**



:: OPTIONS

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ROQPRINT OVAL EVOLUTION	P16	P20	P24	P28	P32	P36	
maximum number of colors	1 to infinite						
number of pallets	16	20	24	28	32	36	
number of flash cure connection units (optional)	8	10	12	14	16	18	
maximum print size (mm/inch)	3XL: 800 x 1100 / 31" x 43" 4XL: 900 x 1250 / 35" x 49"						
maximum screen size (mm/inch)	3XL: 1000 x 1500 / 39" x 59" 4XL: 1100 x 1600 / 43" x 63"						
maximum frame profile / thickness (mm/inch)	50 x 50 / 2" x 2"						
index precision (mm/inch)	+- 0.025 / 0.001"						
maximum production (pieces/h)*	850						
compressed air consumption (l/min. 7 bar)**	120 l/min - 4.3 cfm + number of each printhead						
maximum consumption (kVA)***	8.5	11	13.5	18.5	21	23	
3XL	total length (mm/feet)	10450 / 34.3'	12850 / 42.2'	15300/50.2'	17700 / 58.1'	20100 / 65.1'	22500 / 73.9'
	total height (mm/feet)	2350 / 7.7'					
	total width (mm/feet)	4545 / 14.9'					
4XL	total length (mm/feet)	12250 / 40.2'	15000 / 49.3'	17750 / 58.3'	20600 / 67.7'	23400 / 76.9'	26200/85.2'
	total height (mm/feet)	2350 / 7.7'					
	total width (mm/feet)	4750 / 15.58'					

* one squeegee with flooding.

** consumption of each printhead: 60 l/min. | 2.12cfm in 14 pieces/min. See flash cure page.

*** 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.

- power supply: 220V, 3x220V, 3x400V in 50Hz or 60Hz

The ROQTUNNEL is a dryer that **has been refined over the years**. Today it is an **absolutely versatile platform**. It can be powered by electricity, gas or both. The dryer can be configured in many ways to suit your needs. Tunnel, infeed and outfeed lengths as well as dryer widths are all customizable.

ROQTUNNEL	T3009E/T3009G	T3011E/T3011G	T4511E/T4511G
drying area (mm/inch)	2700x900 / 106"x35"	2700x1100 / 106"x43"	4300x1100 / 169"x43"
heat power elect./gas (kW)	18 / 24	18 / 34	27 / 34
gas LPG consumption min/max. (Nm ³ /h BTU)	0.4 - 1 32000 - 92000	0.5 - 1.3 39000 - 120000	0.5 - 1.3 39000 - 120000
natural gas cons. min/max. (Nm ³ /h BTU)	1 - 2.5 32000 - 92000	1.2 - 3.4 39000 - 120000	1.2 - 3.4 39000 - 120000
gas pressure min/max. (mbar)	5 - 14	7 - 18	7 - 18
plant power elect./gas (kVA)	20 / 2	20 / 2	29 / 2
module length (mm/feet)	2900 / 9.5'	2900 / 9.5'	4500 / 14.8'
length's entry/exit openings (mm/feet)	1000 / 3.28'	1500 / 4.92'	1500 / 4.92'
total height (mm/feet)	1670 / 5.48'	1726 / 5.66'	1726 / 5.66'
total width (mm/feet)	1400 / 4.59'	1550 / 5.08'	1550 / 5.08'
belt's width (mm/feet)	900 / 2.95'	1100 / 3.61'	1100 / 3.61'

- greater length openings option.
 - heating by direct-burning, permutation or electric.
 - power supply: 3x400V or 3x230V - 50Hz or 60Hz.

ROQTUNNEL	T3015E/T3015G	T4515E/T4515G	T6015E/T6015G	T7515E/T7515G	T9015E/T9015G
drying area (mm/inch)	2700x1500 / 106"x59"	4300x1500 / 169"x59"	5600x1500 / 220"x59"	7200x1500 / 283"x59"	8800x1500 / 346"x59"
heat power elect./gas (kW)	27 / 34	32 / 34	54 / 68	59 / 68	63 / 68
gas LPG consumption min/max. (Nm ³ /h BTU)	0.5 - 1.3 39000 - 120000		1.0 - 2.6 78000 - 240000		
natural gas cons. min/max. (Nm ³ /h BTU)	1.2 - 3.4 39000 - 120000		2.4 - 6.8 78000 - 240000		
gas pressure min/max. (mbar)	7 - 18				
plant power elect./gas (kVA)	29 / 2	34 / 2	58 / 4	63 / 4	76 / 4
module length (mm/feet)	2900 / 9.5'	4500 / 14.8'	2900+2900 / 9.5'+9.5'	4500+2900 / 14.8'+9.5'	4500+4500 / 14.8'+14.8'
length's entry/exit openings (mm/feet)	1500 / 4.92'				
total height (mm/feet)	1726 / 5.66'				
total width (mm/feet)	1950 / 6.40'				
belt's width (mm/feet)	1500 / 4.92'				

- greater length openings option.
 - heating by direct-burning, permutation or electric.
 - power supply: 3x400V or 3x230V - 50Hz or 60Hz.

ROQTUNNEL	T3018E/T3018G	T4518E/T4518G	T6018E/T6018G	T7518E/T7518G	T9018E/T9018G
drying area (mm/inch)	2700x1800 / 106"x71"	4300x1800 / 169"x71"	5600x1800 / 220"x71"	7200x1800 / 283"x71"	8800x1800 / 346"x71"
heat power elect./gas (kW)	32 / 34	36 / 34	63 / 68	68 / 68	72 / 68
gas LPG consumption min/max. (Nm ³ /h BTU)	0.5 - 1.3 39000 - 120000		1.0 - 2.6 78000 - 240000		
natural gas cons. min/max. (Nm ³ /h BTU)	1.2 - 3.4 39000 - 120000		2.4 - 6.8 78000 - 240000		
gas pressure min/max. (mbar)	7 - 18				
plant power elect./gas (kVA)	29 / 2	34 / 2	58 / 4	63 / 4	76 / 4
module length (mm/feet)	2900 / 9.5'	4500 / 14.8'	2900+2900/9.51'+9.51'	4500+2900 / 14.8'+9.5'	4500+4500 / 14.8'+14.8'
length's entry/exit openings (mm/feet)	1500 / 4.92'				
total height (mm/feet)	1726 / 5.66'				
total width (mm/feet)	2250 / 7.38'				
belt's width (mm/feet)	1800/5.90' - 2 x 850/2.78'				

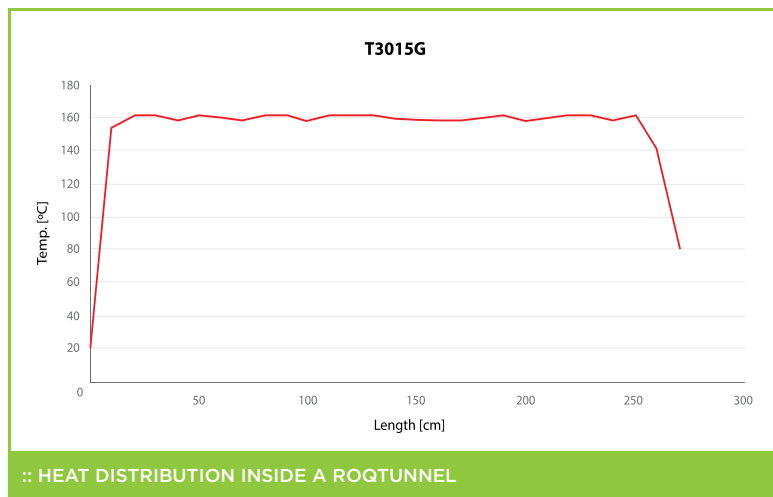
- greater length openings option.
 - heating by direct-burning, permutation or electric.
 - power supply: 3x400V or 3x230V - 50Hz or 60Hz.

Also, we can offer solutions with more than one conveyor.
Simply **tell us what you need and we will create the perfect ROQTUNNEL for you.**

roqtunnel



- Thermal insulation of high density rockwool panels
- Axial flow fan for a constant hot-air circulation
- Air purification filter for the burner
- Antistatic and resistant mesh conveyor high tensile strength PTFE coated belt
- Digital temperature display
- Internal panels for airflow dispersion easily removable for cleaning
- Internal exhaustion header system per module
- Contact temperature control
- Maximum select temperature: 200°C



:: OPTIONS

- OPTION OF TWO CONVEYORS WITH INDEPENDENT SPEED AND DIRECTION (2B)
- DIFFERENT LENGTH'S ENTRY/EXIT OPENINGS
- HEAT EXCHANGER (GP)
- ROQTUNNEL POWERED BY GAS, ELECTRICITY OR BOTH (MIX)
- EXHAUST BLOWER (+2,2 KVA)

The three cure units developed by ROQ **work in sync with any ROQ automatic screen printing machines**. They present different technological levels and settings so that they can **respond to any work**.

roqdry
eco

roqdry
moby



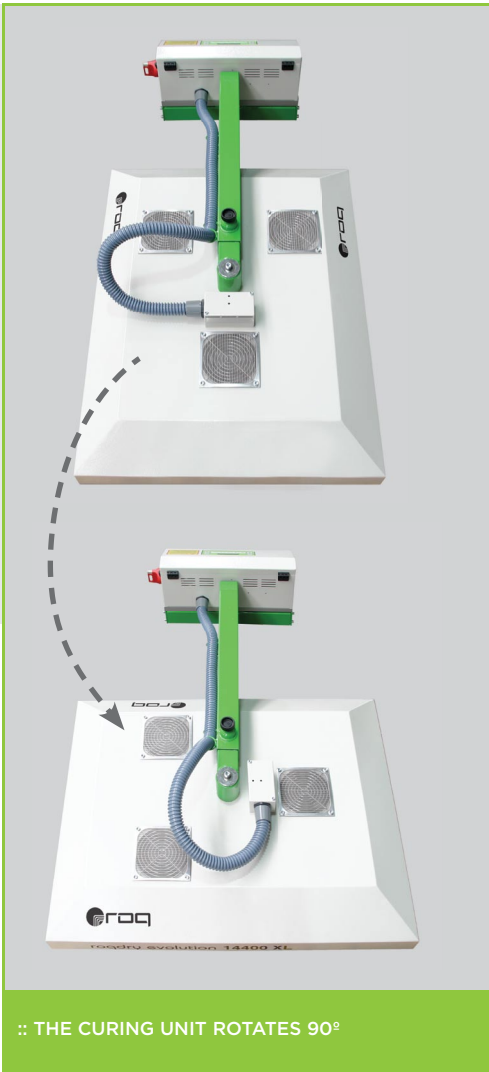
- Control panel that regulates time, temperature and drying area
- Heat transmission by convection and radiation

- Digital control panel that regulates time, temperature and drying area
- Heat transmission by convection and radiation
- Suitable for larger drying areas

ROQDRY ECO	3000 S	9000 M	14400 XL	18000 XL+	20400 2XL	25500 3XL
drying area (mm/inch)	200x200 / 8"x8"	400x500 / 16"x20"	500x700 / 20"x28"	600x800 / 24"x31"	700x1000 / 28"x39"	800x1100 / 31"x43"
power supply (VAC)	1x230 3x230 3x400					
max. consumption (kVA)	3	9	14.4	18	20.4	25.5
power/area (W/cm ²)	7.14	5	4.11	3.7	2.91	2.89
lamps	6 x 500W	9 x 1000W	12 x 1200W	15 x 1200W	24 x 850W	30 x 850W
plug (32A or 63A)	32 (400V)		32 (400V) 63 (230V)			
total length (mm/feet)	800 / 2.6'	820 / 2.7'	1040 / 3.4'	1040 / 3.4'	1400 / 4.6'	1450 / 4.8'
total height (mm/feet)	1150 / 3.77'					
total width (mm/feet)	300 / 1'	530 / 1.7'	620 / 2'	720 / 2.4'	830 / 2.7'	910 / 3'

ROQDRY MOBY	20250 4XL
drying area (mm/inch)	1020 x 304 / 40" x 12" + travel*
power supply (VAC)	3 x 230 3x 400
max. consumption (kVA)	20.25
plug (32A or 63A)	32 (400V) 63 (230V)
total length (mm/feet)	1700 / 5.6'
total height (mm/feet)	1400 / 4.6'
total width (mm/feet)	1125 / 3.7'

* travel: 1100mm / 43"



- Digital control panel that regulates time, temperature and drying area
- Heat transmission by convection and radiation
- The curing unit rotates 90° making this model extremely versatile
- Temperature probe

ROQDRY EVOLUTION	12100 L	14400 XL	18000 XL+	20400 2XL	25500 3XL	25500 4XL
drying area (mm/inch)	450x550 / 18"x22"	500x700 / 20"x28"	600x800 / 24"x31"	700x1000 / 28"x39"	800x1100 / 31"x43"	900x1100 / 35"x43"
power supply (VAC)	1x220 3x230 3x400	3x230 3x400	1x200 3x230 3x400		3x230 3x400	
max. consumption (kVA)	12.1	14.4	18	20.4	25.5	25.5
power/area (W/cm ²)	4.3	4.11	3.7	2.91	2.89	2.58
lamps	11 x 1100W	12 x 1200W	15 x 1200W	24 x 850W	30 x 850W	30 x 850W
plug (32A or 63A)	32 (400V) 63 (230V)				63 (400V)	
total length (mm/feet)	1020 / 3.4'	1200 / 4'	1300 / 4.3'	1400 / 4.6'	1500 / 4.9'	1500 / 4.9'
total height (mm/feet)	1150 / 3.8'					
total width (mm/feet)	550 / 1.8'	650 / 2.1'	705 / 2.3'	810 / 2.7'	910 / 3'	1000 / 3.3'

roqflock

ROQ has created a closed flock station that **applies flock using static electricity.**



- Compatible with ROQPRINT YOU, ECO, OVAL PRO and OVAL EVOLUTION
- Closed system leading to minimum color contamination
- 80kV electrostatic generator
- Micro registration screen system with vernier scale
- Maximum production of 600 pieces per hour

roqasp



- ROQASP is designed to vacuum excess flock after the flocking process.
- This accessory is mounted on a print head and is fully compatible with the ROQ automatic screen printing machines
- Available in two widths: 620 mm/24" and 470 mm/18"

ROQFLOCK	4060	6085
flock type (recommended)	polyamide	
flock's length (mm) - thickness (inch)	0.5 - 1.5 (3,3 dtex)	
voltage max. (kV)	80	
flocking area (mm/inch)	400 x 600 / 16" x 24"	600 x 850 / 24" x 33"
maximum frame size (mm/inch)	604 x 988 / 24" x 39"	804 x 1238 / 32" x 49"
rec. frame profile (mm/inch)	40 x 20 / 1.6" x 0.8"	
total length (mm/feet)	1300 / 4.25'	1550 / 5.1'
total height (mm/feet)	1230 / 4'	
total width (mm/feet)	760 / 2.5'	920 / 3'

This patented system applies flock with impeccable precision and accuracy it **reduces contamination of color** and makes the flock application **a cleaner process**.

We have created a range of **accessories** that perfectly complement our process of **applying flock**.

roqstorm

roqcool



- ROQSTORM is an independent module created to vacuum/clean fabric, either from flock or other impurities the fabric might have
- Fabric pieces up to 787mm/27.56" wide and 900mm/35.43" long

- ROQCOOL is a module built to cool the pallets. This prevents the glue base to solidify when in contact with the pallet.
- This accessory is mounted in a print head and fully compatible with the ROQ automatic screen printing machines
- Available in two widths: 700 mm/27" and 500 mm/19"

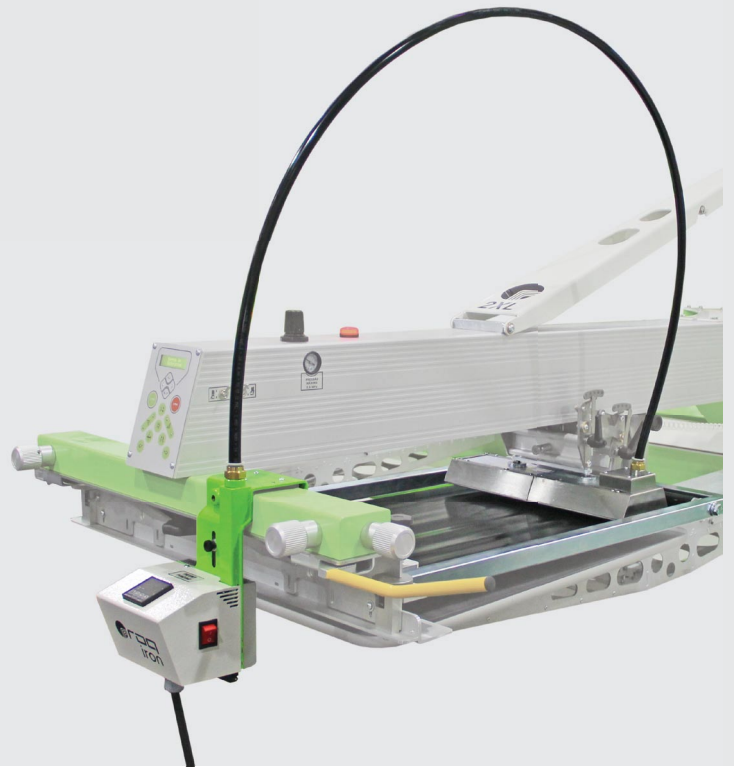
ROQSTORM	
length - mm (inch)	2200 (86.6")
height - mm (inch)	2975 (117")
width - mm (inch)	850 (33.5")
suction maximum width - mm (pol)	785 (30.9")
maximum length of the piece of aspiration - mm (pol)	900 (35.4")
electrical consumption - (kVA)	3

- power supply: 220V, 3x220V, 3x400V - 50Hz or 60Hz.

ROQ holds the patent for the ROQPRESS foil station. This module allows application of **foil much faster** than traditional procedures and **without need for a dedicated operator**.

roqpress foil

roqpress iron



- Compatible with ROQPRINT YOU, ECO, OVAL PRO and OVAL EVOLUTION
- Fully automatic foil application
- No human intervention in the process
- Maximum production of 450 pieces per hour

ROQPRESS IRON IMPROVES THE QUALITY OF YOUR PRINT

- Compatible with any ROQ automatic screen printing machine
- Powered using the machine power connections
- Temperature control
- Max temperature 200°C
- Speed/pressure regulated by the print head
- Press with 400mm width

ROQPRESS FOIL	3550
drawing width (mm/inch)	350 x 500 / 14" x 20"
compressed air consumption (l/min. 7 bar)	95
voltage supply (VAC)	3 x 230 / 3 x 400
maximum temperature (°C)	200
power supply (kVA)	5
total length (mm/feet)	1450 / 4.75'
total height (mm/feet)	1400 / 4.6'
total width (mm/feet)	760 / 2.5'

ROQFOG



ROQFOG KEEPS WATER BASED INKS MOISTURIZED AVOIDING WATER EVAPORATION AND SCREEN CLOGGING.



- Compatible with any ROQ automatic screen printing machine
- Easy Installation
- Adjustable flow in each humidifier
- Reduced air consumption – multiplier flowrate system
- Maximum consumption by humidifier (0,6 l/h)

- Level sensor (Alarm for low water levels)
- Equipped with a water treatment system (UV disinfection (optional) and sediments filter)
- Tank capacity: 22 liters
- Power supply: 1x230V; 1x110V

PRU - Positive Registration Unit



for pins frames support



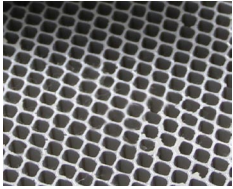
for "U" clamp support

THIS INNOVATIVE SYSTEM WAS DEVELOPED TO ALLOW A QUICK PRE-REGISTRATION OF THE FILM POSITIVES IN THE SCREEN REDUCING SET UP TIMES.

- Compatible with conventional and retensionable screens of various dimensions
- Film placement can be adjusted using LED positioning lights

PRU	L	XL
width - mm (inch)	800 (31.5")	1140 (44.5")
length - mm (inch)	900 (35.5")	1600 (63")

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.

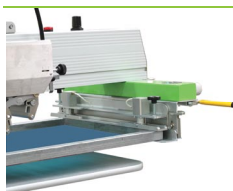


PRINT HEAD ELEVATION FOR EASY SCREEN CLEANING

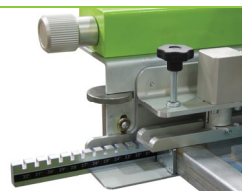
The print heads have a mechanical balancing system that allows for effortless manual lifting of the print head for cleaning the screens. In the OVAL EVOLUTION, this feature is automated.



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.



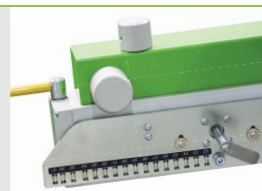
PNEUMATIC SCREEN HOLDER "U" CLAMP SYSTEM



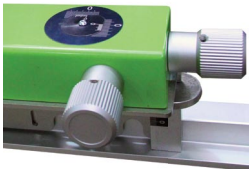
OPTIONAL FOR "U" CLAMP: UNIREG SYSTEM



PNEUMATIC SCREEN HOLDER PIN SYSTEM



OPTIONAL FOR PIN SYSTEM: UNIREG 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.



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