ROQ

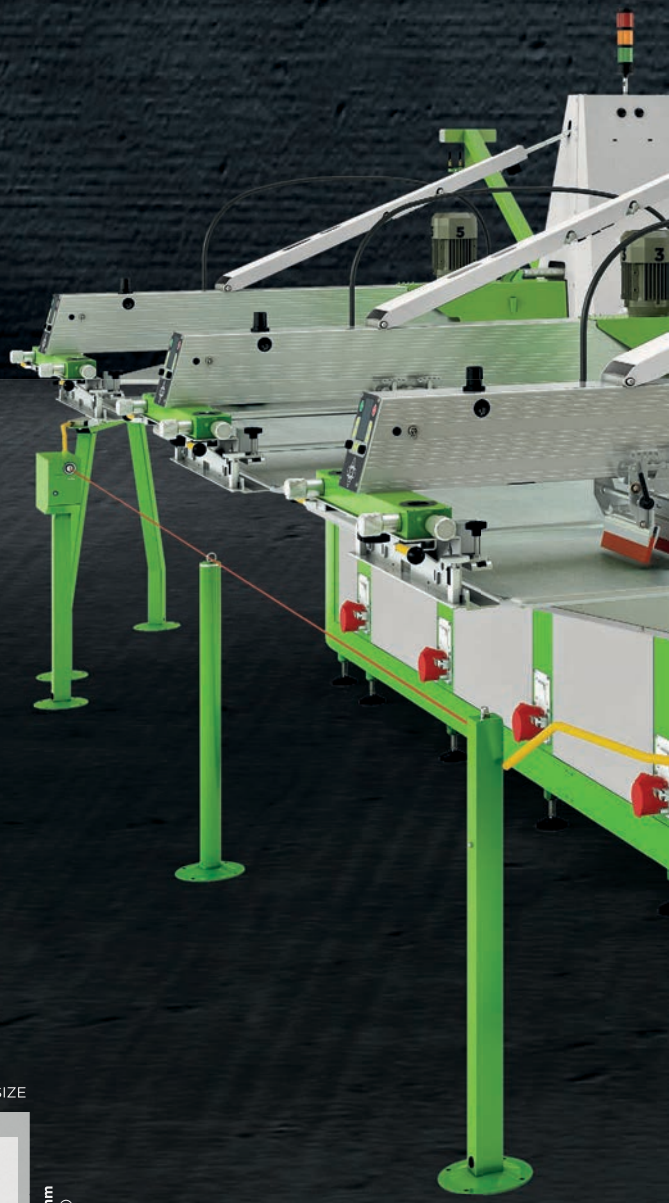
OVAL EVOL

PERFORMANCE AND VERSATILITY

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 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.

OTHER FEATURES

Odd even mode	Avoid pallet function
Multiprint	Recipe saving system



PALLETS, SCREEN AND PRINT SIZES

XL+

PALLET: 650mm (25.5") × 1050mm (41")

SCREEN & PRINT SIZE: 600mm (24") X 800mm (31.5") — 760mm (30") × 1150mm (45")

2XL

PALLET: 750mm (30") × 1240mm (49")

SCREEN & PRINT SIZE: 700mm (27.5") X 1000mm (39.5") — 860mm (34") × 1350mm (53")

3XL

PALLET: 850mm (33.5") × 1350mm (53")

SCREEN & PRINT SIZE: 800mm (31.5") X 1100mm (43.5") — 960mm (38") × 1450mm (57")

4XL

PALLET: 1000mm (39.5") × 1500mm (59")

SCREEN & PRINT SIZE: 950mm (37.5") X 1250mm (49.5") — 1110mm (43.5") × 1600mm (63")

INDEX PRECISION: +/- 0.025mm / 0.001' · **MAX. FRAME PROFILE/THICKNESS**: 50x50mm / 2"x2"

UTION

ROQ Oval Evolution
MAIN HIGHLIGHTS

max. production
950* pieces/hour

max. printing area
950x1250 mm**

suits best for
Larger print sizes

* for an A4 print size
** 4XL model

MAIN FEATURES

- Aluminum honeycomb pallets
- Squeegee movement with AC frequency drive
- Independent control panel on all printheads
- Choice of pneumatic screen holder: "U" clamp or pin system
- Printheads independent elevation
- Central control panel with touch screen (15")
- AC motor with high resolution encoder controlled by frequency drive for index system
- Micro registration screen system with vernier scale
- Double chain sprocket
- Machine main control on each printheads through HMI panels
- Automatic printhead lifting for cleaning access
- Individual controls for managing print and flood speed, height, angle of the squeegees and stroke length
- Placement of the flash cure units under the printhead
- Double index printing mode
- 4 cylinder carriage 3XL and 4XL. Optional in XL+ and 2 XL

ROQ Oval Evolution		P16	P20	P24	P32	P36	P40	P44	P50	P56
number of colors (max.)		10	14	18	26	30	34	38	44	50
number of pallets		16	20	24	32	36	40	44	50	56
number of flash cure connection (max.)		10	14	18	26	30	34	38	44	50
maximum production (pieces/h) *		XL+: 950 | 2XL: 900 | 3XL: 850 | 4XL: 800								
compr. air consumption at 7 bar (l/min. /cfm)**		130 / 4.5 + consumption of each printhead								
maximum consumption (kVA) ***		**XL+ | 2XL**								
		6.5	8	9.5	14.5	16	17.5	19	21.5	25.5
		3XL | 4XL								
		6.5	8	11.5	14.5	16				
		XL+								
total length (mm / feet)	short	7763 / 25.5'	9415 / 30.9'	11067 / 36.3'	14371 / 47.1'	16024 / 52.6'	17676 / 58'	19328 / 63.4'	21806 / 71.5'	24285 / 79.7'
	long	8807 / 28.9'	10713 / 35.1'	12619 / 41.4'	16432 / 53.9'	18338 / 60.2'	20244 / 66.4'	22150 / 72.7'	25010 / 82.1'	27869 / 91.4'
total height (mm / feet)		2235 / 7.3'								
total width (mm / feet)		4050 / 13.3'								
machine weight (kg / lbs)	short	2824 / 6226	3592 / 7919	4327 / 9539	5745 / 12666	6481 / 14288	7244 / 15970	7954 / 17536	9045 / 19941	10107 / 22282
	long	2958 / 6521	3730 / 8223	4495 / 9910	6026 / 13285	6791 / 14972	7529 / 16599	8266 / 18223	9590 / 21142	10506 / 23162
		2XL								
total length (mm / feet)	short	9053 / 29.7'	10969 / 36'	12875 / 42.2'	16687 / 54.7'	18594 / 61'	20500 / 67.3'	22406 / 73.5'	25265 / 82.9'	28124 / 92.3'
	long	10713 / 35.1'	13153 / 43.2'	15594 / 51.2'	20474 / 67.2'	22914 / 75.2'	25354 / 83.2'	27795 / 91.2'	31455 / 103.2'	35115 / 115.2
total height (mm / feet)		Short – 2235 / 7.3' / Long – 2310 / 7.6'								
total width (mm feet)		4350 / 14.28'								
machine weight (kg / lbs)	short	3061 / 6748	3859 / 8508	4649 / 10249	6229 / 13733	7019 / 15474	7782 / 17156	8545 / 18838	9717 / 21422	10860 / 23942
	long	3592 / 7919	4540 / 10009	5483 / 12088	7406 / 16327	8349 / 18406	9245 / 20382	10151 / 22379	11551 / 25466	12942 / 28532
		3XL								
total length (mm / feet)		10923 / 35.8'	13364 / 43.8'	15804 / 51.9'	20684 / 67.8'	23124 / 75.9'	25565 / 83.9'	28005 / 91.9'	31665 / 103.9'	35325 / 115.9'
total height (mm / feet)		2310 / 7.6'								
total width (mm / feet)		4550 / 14.9'								
machine weight (kg / lbs)		3688 / 8131	4667 / 10289	5640 / 12434	7625 / 16810	8553 / 18856	9526 / 21001	10463 / 230667	11910 / 26257	13412 / 29568
		4XL								
total length (mm / feet)		12513 / 41.1'	15309 / 50.2'	18105 / 59.4'	23697 / 77.7'	26494 / 86.9'	29290 / 96.1'	32086 / 105.3'	36280 / 119'	40475 / 132.8'
total height (mm / feet)		2350 / 7.71'								
total width (mm / feet)		4850 / 15.9'								
machine weight (kg / lbs)		3923 / 8649	4951 / 10915	6015 / 13261	8037 / 17719	9064 / 19983	10058 / 22174	11086 / 24440	12616 / 27814	14171 / 31242

* one stroke with flooding for an A4 print size.
** consumption of each printhead: 50 l/min / 1.8 cfm in 15 pieces/min.
*** these values exclude the consumption with flash cure. It should be calculated separately taking into account the number and model of the flash cure used in the machine. See flash cure page.
- power supply: 3x230V, 3x400V+N - 50Hz or 60Hz.