

SMC - Experts in the Print Industry



- Gain competitive advantage – discover some simple and effective ways to ensure operational savings and improve productivity

We are all being urged to save energy. Headlines remind us almost daily of the need to reduce our carbon footprint and adopt a greener lifestyle. It's an important issue and one we ignore at our peril. Growing customer expectations and increasing legislation also mean that businesses can no longer afford to ignore green issues.

By adopting an energy saving strategy as a part of your business efficiency programme, not only will you save money but you'll help make a sustainable lifestyle for future generations.

As world leaders in pneumatics, our experts have developed some of the most innovative ranges of energy saving products and activities for compressed air systems which will help you save money as well as helping in the fight to protect our environment.

If this sounds too good to be true, we'll be happy to share our energy efficiency knowledge and technology with you!



SMC - Experts in the Print Industry

Expert (noun) - a person who is very knowledgeable about or skilful in a particular area (Oxford English Dictionary)

At SMC we recognise that an ability to fully understand the requirements and issues of any manufacturing process is the key to our future success.

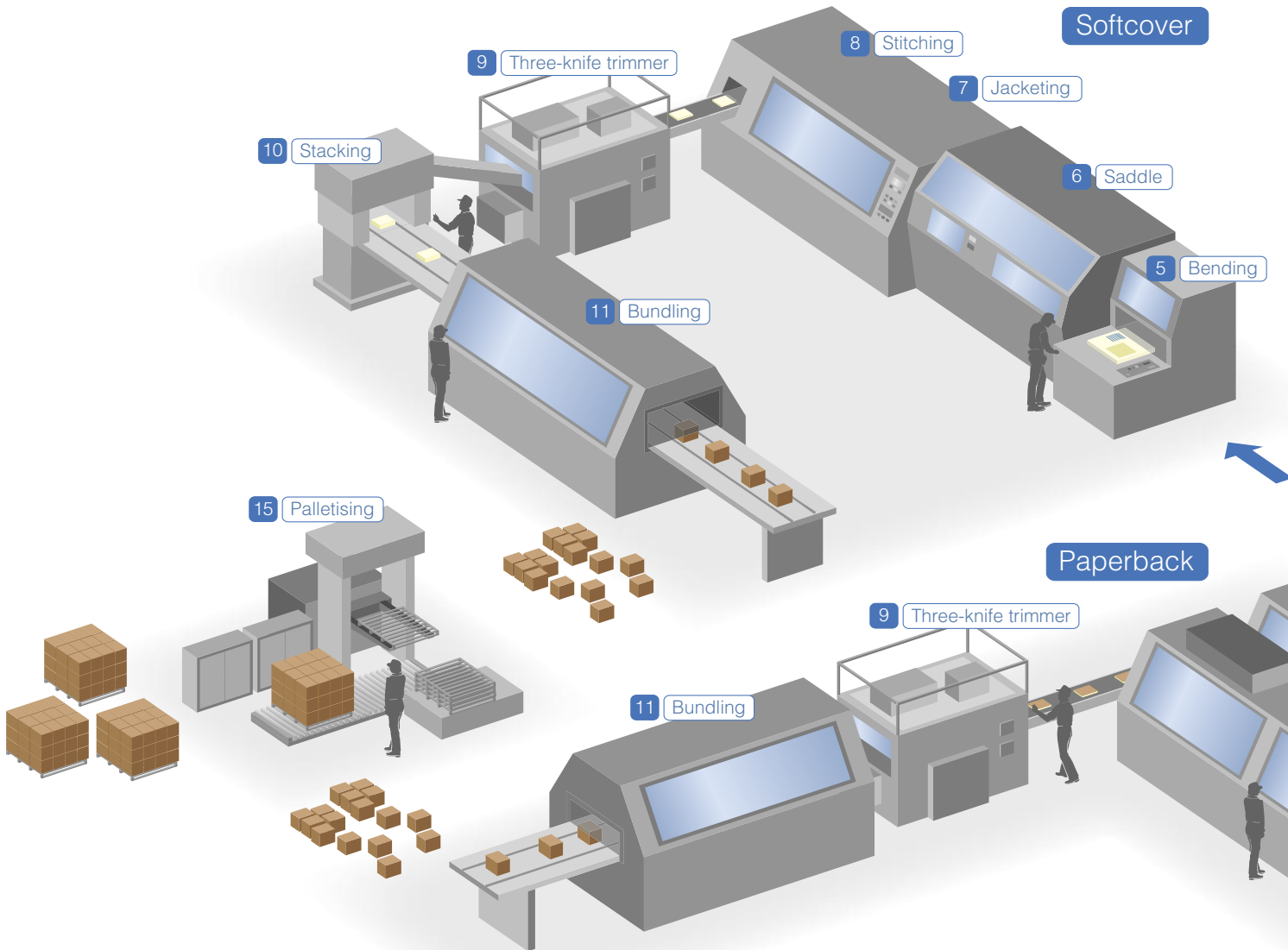
For this reason alone, we have developed specialist teams to work in all the major manufacturing industries throughout the world – our Industry Experts.

In the case of the Print Industry our experts know the stringent requirements that need to be met and all have extensive knowledge of both your production process and your business needs.

We understand the important issues such as high speed – high quality production, with constant colour control throughout the complete print run and, in these ultra competitive times, the need for efficient job turnaround times.

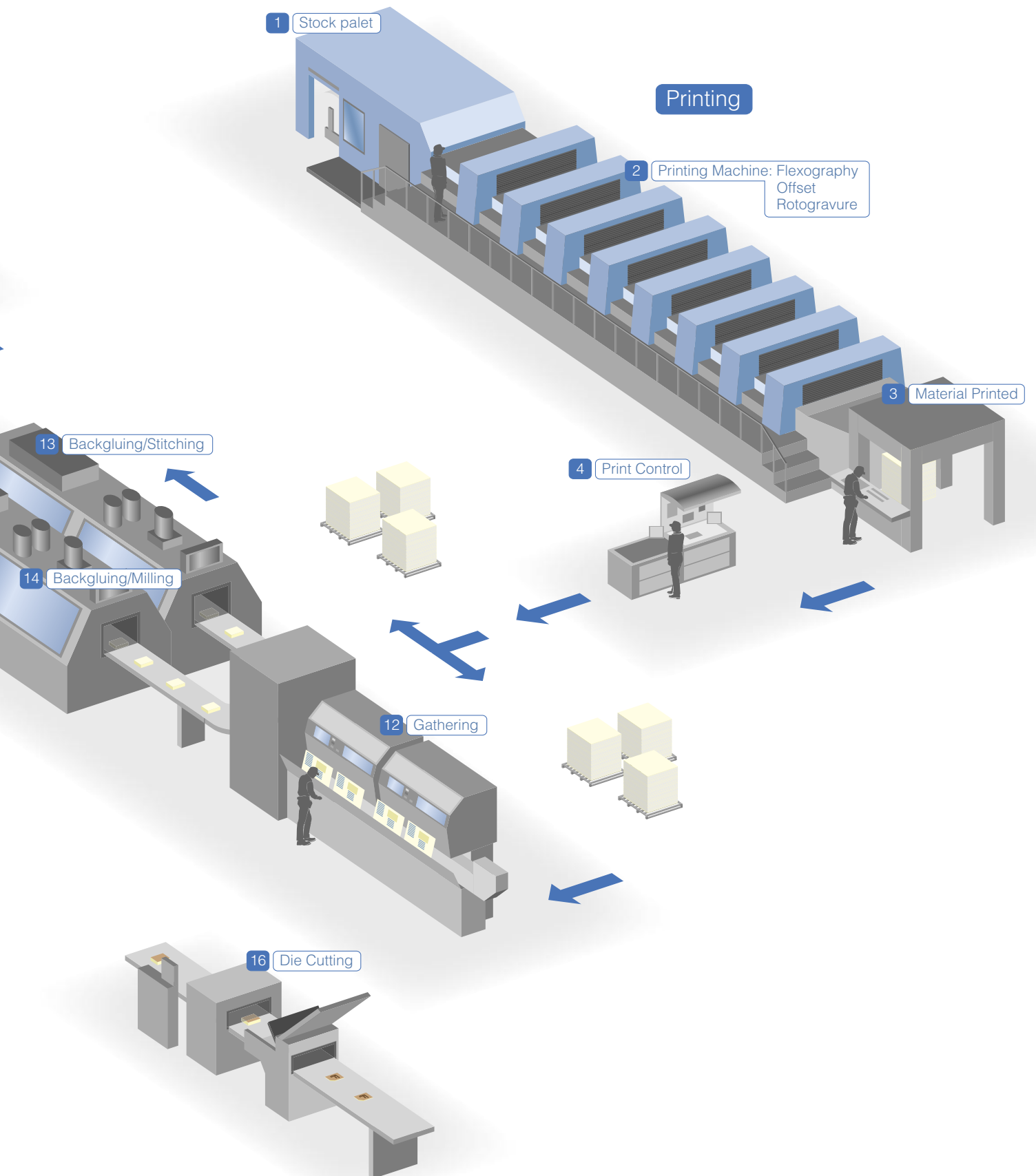
Our experts recognise that maximum operator health and safety is a MUST and with energy costs increasing at an alarming rate, even the smallest saving can have a real impact on a business's bottom line as well as the environment.





A	B	C	D	E	F	G	H	I	J	K	L	M	N
Pneumatic Actuators	Electric Actuators	Solenoid Valves	Serial Transmission System	Air Preparation	Sensors and Switches	Electrostatic Removal	Temperature Control	Process Valves	ATEX Products	Fitting and Tubing	Process Pumps	Flow Control Equipment	Vacuum
▶P.6	▶P.6	▶P.6	▶P.7	▶P.7	▶P.8	▶P.8	▶P.8	▶P.9	▶P.9	▶P.9	▶P.10	▶P.10	▶P.10

1	Stock palet	■	■	■	■	■	■	■	■	■	■	■	■
2	Printing Machine	■	■	■	■	■	■	■	■	■	■	■	■
3	Material Printed	■	■	■	■	■	■	■	■	■	■	■	■
4	Print Control	■	■	■	■	■	■	■	■	■	■	■	■
5	Bending	■	■	■	■	■	■	■	■	■	■	■	■
6	Saddle	■	■	■	■	■	■	■	■	■	■	■	■
7	Jacketing	■	■	■	■	■	■	■	■	■	■	■	■
8	Stitching	■	■	■	■	■	■	■	■	■	■	■	■
9	Three-knife trimmer	■	■	■	■	■	■	■	■	■	■	■	■
10	Stacking	■	■	■	■	■	■	■	■	■	■	■	■
11	Bundling	■	■	■	■	■	■	■	■	■	■	■	■
12	Gathering	■	■	■	■	■	■	■	■	■	■	■	■
13	Backgluing/Stitching	■	■	■	■	■	■	■	■	■	■	■	■
14	Backgluing/Milling	■	■	■	■	■	■	■	■	■	■	■	■
15	Palletising	■	■	■	■	■	■	■	■	■	■	■	■
16	Die Cutting	■	■	■	■	■	■	■	■	■	■	■	■



A Pneumatic Actuators

■ Standar Air Cylinder

- ISO Cylinder..... **Series CP95**
- ISO/MDMA Cylinder..... **Series C95**
- ISO Compact Cylinder..... **Series C55**
- Compact Cylinder..... **Series CQ2**
- Compact Cylinder Low Friction..... **Series CQ2X**



■ Cylinder with Lock

- ISO Cylinder with lock..... **Series CP95N**
- Compact Cylinder with Lock..... **Series CLQ**



■ Guide Cylinder

- Compact Guide Cylinder..... **Series MGP**
- Compact Guide Cylinder with Lock..... **Series MLGP**



■ Rodless Cylinder

- Magnetically Coupled Rodless Cylinder..... **Series CY3**
- Mechanically Jointed Rodless Cylinder..... **Series MY3B**



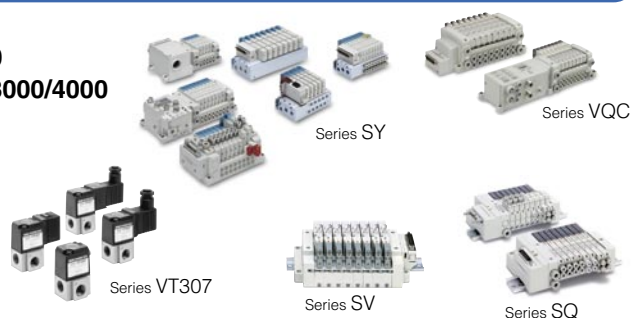
B Electric Actuators

- Electric rod type cylinder..... **Series LEY**
- Electric rodless type cylinder..... **Series LEF**



C Solenoid Valves

- 5 Port Solenoid Valve..... **Series VQC1000/2000**
- 5 Port Solenoid Valve..... **Series SV1000/2000/3000/4000**
- 5 Port Metal Seal/Rubber Seal..... **Series SQ1000/2000**
- 5 Port Solenoid Valve..... **Series SY3000/5000**
- 3 Port Solenoid Valve..... **Series VT307**



D Serial Transmission System

- Decentralised System **Series EX500**
- Centralised System **Series EX600**
- Electro-Pneumatic Regulator for Serial Transmission **Series ITV**



E Air Preparation

■ Air Preparation Equipment

- Modular F.R.L. Unit **Series AC**



■ Soft Start-up Valve

- Soft Start-up Valve **Series AV**



■ Hand Valves

- 3 Port Hand Valve **Series VHS**



■ Pressure Control Equipment

- Precision Regulator **Series IR**
- Regulator Booster **Series VBA**



Series IR



Series VBA

■ Air Dryer

- Refrigerated Air Dryer **Series IDFA**
- Membrane Air Dryer **Series IDG**



Series IDFA



Series IDG

■ Related Products

- Blow Gun **Series VMG**



F Sensors and Switches

■ Digital Pressure Switch

- High-Precision Digital Pressure Switch..... **Series ISE30A**
- Digital Pressure Switch..... **Series ISE35**



■ Pressure Control Equipment

- Electro-Pneumatic Regulator..... **Series ITV**



G Electrostatic Removal

■ Ionisers

- Ioniser (Bar)..... **Series IZS31**
- Ioniser (Nozzle)..... **Series IZN10**



■ Measuring Instruments

- Electrostatic Sensor/Monitor **Series IZD10/IZE11**
- Handheld Electrostatic Meter **Series IZH10**



H Temperature Control

■ Temperature Control Equipment

- Termo-chiller compact type..... **Series HRS**
- Refrigerated Thermo-cooler..... **Series HRGC**



I Process Valves

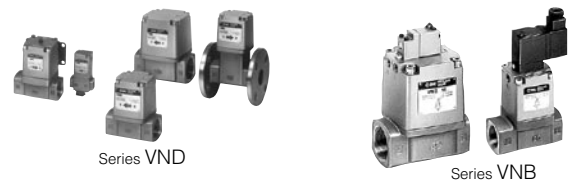
Chemical Valves

- High Purity Chemical Valve/
Integral Fitting Type **Series LVC**
- High Purity Chemical Valve/
Threaded Type **Series LVA**
- High Purity Chemical Valve/
Compact Type **Series LVD**
- Manual Operated Chemical Valve/
Integral Fitting/Threaded Type **Series LVH**
- High Purity Chemical Valve/
Non-Metallic Exterior **Series LVQ**



Process Valve

- Steam Valve **Series VND**
- Process Valve/2 Port Valve
for Fluid Control **Series VNB**



J ATEX Products

SMC Provide Products Compliant to ATEX Directive

- Cylinders
- Rotary Actuators
- Positioners
- Pumps
- Valves
- Boosters



K Fitting and Tubing

Special Environments Fittings

- SUS316 One-touch Fittings **Series KQG**
- SUS316 Insert Fittings **Series KFG**



General Purpose Fittings

- One-touch Fittings with
G Type Connection Threads **Series KQ2**



Tubing

- Polyurethane Tubing **Series TU**
- Fluororesin Tubing **Series TL**
- Soft Polyolefine Tubing **Series TPS**
- Polyurethane Coil Tubing **Series TCU**



L Process Pump

- Process Pump..... **Series PA**



M Flow Control Equipment

- Speed Controller **Series AS**
- Speed Controller with Pilot Check Valve... **Series ASP**
- Speed Exhaust Controller..... **Series ASV**



Series AS
Universal Style



Series AS
Elbow Style



Series ASV



Series ASP

N Vacuum

- Vacuum Pad..... **Series ZP**
- Space Saving Vacuum Ejector & Vacuum Pump System **Series ZQ**
- Multistage Ejector..... **Series ZL**



Series ZP



Series ZL



Series ZQ



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