

PRINT and PACKAGING

Improve your Process



Fastest changeover and total print

Peristaltic pumps from Watson-Marlow Bredel are the first choice for printers, because they give:

- Fast changeover and set-up time, reducing costs
- Total containment with no cross-contamination
- Smooth, low-shear flow - no foaming
- Fast cleandown and no ink waste



Shortest changeover time

Watson-Marlow Bredel pumps maximise uptime because changing a tube takes less than a minute without the need for tools or skills.



Printer-friendly

A tube change or straight-through flushing, plus the pumps' ability to run in reverse, means lines can be quickly emptied and cleaned without waste or mess. Dry-running and self-priming allow automatic start-up.

Smooth and constant flow

Inks, coatings and adhesives can be shear sensitive. Unlike other positive displacement and centrifugal pumps, Watson-Marlow Bredel pumps provide accurate flow rates across all viscosities, with no foaming or product separation.

Reliability

Pump failure stops print runs. Watson-Marlow Bredel pumps have no seals, valves, diaphragms, glands or immersed rotors to leak, clog or replace. They are robust, virtually maintenance-free and they out-perform all other pumps.

Applications include:

- Ink supply and return to trays and chambers
- Sump/waste transfer
- Starch and glue supply



run confidence...

A pump designed for your industry

Watson-Marlow Bredel pumps are designed for print and packaging. The low-shear peristaltic action is created by compressing a tube element between rotating rollers, pumping ink precisely. The fluid is contained within the tube, separated from the pump. Other pump types rely on a mechanism working within the pumped fluid.

Watson-Marlow Bredel offer a full range of fixed or variable speed drives, plus ATEX and pneumatic motors to meet all printing and packaging customer requirements.

Open, expert advice to give the best system installation

A Watson-Marlow Bredel engineer based close to you will carry out a full consultation to ensure that we understand your needs, and help you select a suitable pump with clear benefits and payback. That same engineer will be there to support your installation and ensure you are completely satisfied.



The testimonials shown below were given to an independent marketing organisation by customers who are delighted to have found Watson-Marlow Bredel.

Works Manager

*"They have been quite a breakthrough for us.
They are very easy to clean and avoid cross contamination"*



Print Manager

*"They have a very good reputation.
The pumps do what our printers like. I like the product"*

Print Technician

*"The product is first class. They do everything we expect them to do.
They are very reliable and we have had no problems."*



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WARNING These products are not designed for use in, and should not be used for, patient connected applications.

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Pump Series

Flow Rates

Put a peristaltic in your process **Improve your performance**

| | | |
|------------|---|--|
| 100 | Low flow single channel pumps. Fixed and manual/auto control variable speed. | 1 µl/min - 53ml/min |
| 200 | Near pulseless, multi-channel pumps with up to 32 channels. | 0.5µl/min - 21ml/min |
| 300 | Single or multi-channel benchtop pumps with manual, remote, analogue, RS232 control and accurate dispensing. | 2 µl/min - 3 litre/min |
| 400 | Ultra-compact scientific pumps for low flow single or multi-channel applications. | 1 µl/min - 610ml/min |
| 500 | Superb range of IP31 and IP66 rated pumps for science and industry as well as fixed and variable speed close-coupled pumps. | 0.4µl/min - 4.4 litre/min |
| 600 | IP66 mid-flow process pumps with full clean-in-place and steam-in-place capability. | 0.001ml/min - 18.3 litre/min |
| 700 | Industrial cased and baseplate mounted pumps for use with continuous tubing or new LoadSure elements. Three phase motors, ATEX rated drives or pneumatic. | 0.12 litre/min - 4000 litre/hr |
| 800 | High-flow hygienic pumping using USP Class VI Bioprene tubing or STA-PURE tubing. | 2 litre/min - 8000 litre/hr |
| SPX | High flow high-pressure industrial pumps with unique patented direct coupled design. Duplex and CIP models available. | 0.3 litre/min - 80 ³ metre/hr |

101U/R



205U/CA



323/ED



405U/L



520S/R



620S/N/RE



720U/R



825



SPX80



Watson-Marlow Bredel peristaltic pumps provide the performance, cost savings and ease of use that print and packaging users require.