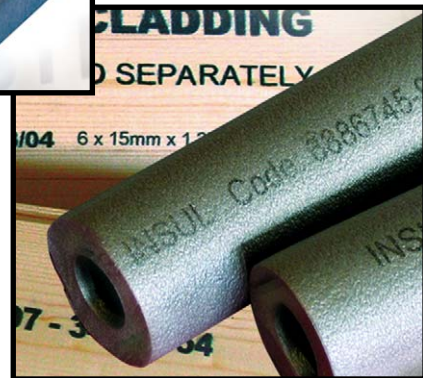
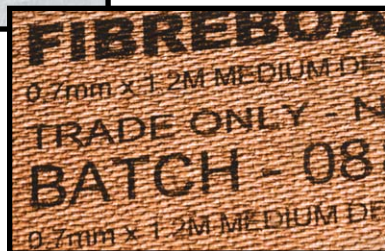


High Resolution Large Character Printing

- **Consistently high print quality - micropurging with every print**
- **Reduced cost of ownership - unique ink-recycling circuit**
- **Easy integration - small, single-unit system**



High Resolution Large Character Printing

The Marsh 1100/3100 printers

The Marsh 1100/3100 printers combine high resolution printing with a simple user interface, making message selection quick, easy and error-free. The Marsh 1100/3100 are designed and manufactured to reliably print accurate, high quality, real time alphanumeric codes, bar codes and graphics.

Consistently high print quality - micropurging with every print

The 180 dpi resolution of the Marsh 1100/3100 printers allows for complete generic carton coding at pre-printed quality levels. With their unique, self-maintaining printhead system, the Marsh 1100/3100 printers guarantee the highest quality bar codes and printed images on every case, even in the dustiest environments.

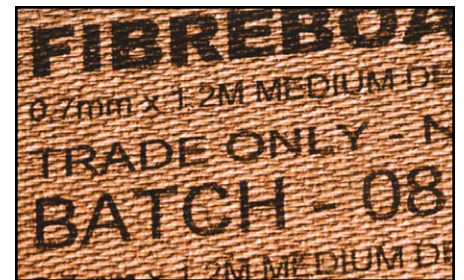
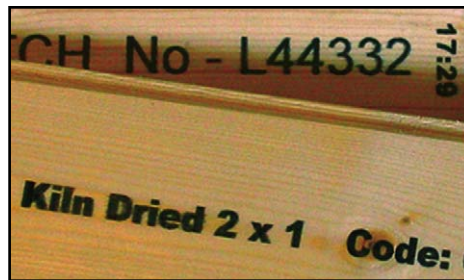
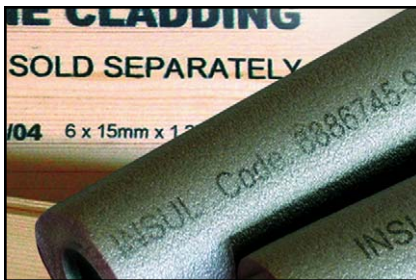


These systems can accomplish this because they are the only high resolution ink jet printers that automatically clean and maintain the printhead with a unique, patented micropurging process with every print — without affecting production speed or throughput. Unique technology builds confidence in print quality.

Reduced cost of ownership — unique ink-recycling circuit

You buy ink jet printing equipment to put ink on your packaging – not on your production line or on the floor. Thanks to an unique ink-recycling system, the Marsh 1100/3100 are the only printers where ink used for automatic printhead maintenance is recycled and used for printing after careful filtration. Every drop of ink you paid for goes where you want it – on your packaging. The ink system is air-driven, eliminating potential downtime from maintenance on pumps, solenoids and other moving parts. Efficient use of ink and a mechanically simple system ensure your Marsh 1100/3100 will always be ready to print the next code without needing human intervention and the associated costs of downtime.

The carton tracking interlock system eliminates the risk of dual marking or uncoded product, and prevents the wasted ink and mess caused by accidental triggering of product photocells. The advanced date checking algorithms found in these printers reduce costly operator date coding errors.



Easy integration — small, single unit system

The Marsh 1100/3100 consist of a single, compact unit that takes up minimal space on your production line. That single unit contains an intuitive touch screen control system that makes it easy for operators to select the right job without the opportunity for errors created by on line message creation. To enhance flexibility, clusters of Marsh 1100s and 3100s can be operated from a single master unit. Individual printers or clusters can be controlled remotely from factory IT systems, PLC input or other remote computers through built-in network (TCP/IP and RS-232) capability. Powerful off-board image design provides complete flexibility in message editing and programming, including the full list of TrueType® fonts.

