



smd HELPS SPEED UP THE IRONING...

Lenze smd drives have been used to provide accurate speed control for the world-famous Electrolux range of industrial ironing machines. The smd units range from 15kW up to 22kW for the larger machines and were chosen because they were both easy to set-up, cost effective and compact, fitting inside the existing machine design envelope.

The ironing machines retain a combination of familiar manual speed control via a hand operated knob (a potentiometer wired directly to the smd drive) that can be used to control the rotation speed of the cylinder, this comes as standard on all machines. Advanced models employ an automatic function where the machine senses moisture levels and adjusts the feed-rate accordingly. The signal is fed back to the drive and the fine speed adjustment is made according to pre-set parameters.

The manufacturer claims that the 'Direct Ironer Advanced Moisture Management System' or DIAMMS for short is the only plug-and-play system available on the market that takes the guesswork out of ironing by automatically regulating the ironing speed. The process relies on the company's experience and the accuracy of the smd drive unit. The result is dry linen with perfect finishing; a fully automatic DIAMMS also saves energy, labour, and ironing process time.

The items being ironed are pressed as well as steamed, hence the torque loads are quite high, and with only a limited amount of space to fit the drive into, the smd's compact size provided a bonus for the engineers. In-line filters were also supplied, ensuring that EMC levels are met; whatever markets the machine is used in.

Benefits:

- Simple speed change
- Cost effective
- Simple programming
- EPM easy to set-up new machines
- EMC filters



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