

PRESS RELEASE HLI17

**ZERO LOSS DRYERS NOW EVEN
SMARTER AND MORE EFFICIENT**

The range of successful smart adsorption air dryers launched by Hi-line Industries Ltd have been even further enhanced by the addition of touch-screen technology incorporated into their automatic energy management system (AEMS). This cutting edge facility enables remote dial-in control via mobile phone or laptop, while even lower running costs are achieved by using a blower/fan, rather than the more expensively produced compressed air, for desiccant regeneration.

The AEMS controller features a zero loss heater blower programme and undertakes constant monitoring and analysis of the dryer load parameters, while making necessary adjustments to the dryer cycle to ensure continuous maximum efficiency. This maintains the lowest possible running costs coupled with regeneration at the lowest energy tariff which also ensuring that the compressed air inlet conditions are matched to the dewpoint required.

This advanced controller comes as a factory-fitted attachment with the new range of Hi-line HBP-TS series dryers, but can also be supplied for retro-fitting to any make of existing dumb dryer, to upgrade such units to the level of the latest smart dryers.

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These products achieve dewpoints of -70° PDP without loss of expensive compressed air and are available with flow rates from 10 up to 10,000 scfm. They feature thermally efficient, generous, fully insulated vessels, with heaters and heat-exchangers. Waste heat utilisation from steam, oil or compression can be optionally used where available, with a fan motor also optimised for maximum use with minimum power consumption. Stainless steel pipework is fitted as standard with independent fail-safe switching valves and full-flow LPD check valves incorporated. Pressure equalisation and heater protection systems are also provided, eliminating pressure fluctuations and maintaining safety standards.

The state-of-the-art control panel with AEMS provides a touch-screen user interface with indicator panel where digital dewpoint, pressure, heater and electrical displays, together with the cycle stepping time are shown on screen. Regeneration temperatures are controlled from the PLC with cycle times matched to demand and triggered by the dewpoint control setting.

The equipment is manufactured on site in the UK to the highest British/European standards covering pressure vessels and pipework welding, together with EEC machinery directive and current wiring regulations.

Dryers are designed to occupy the smallest footprint, so not wasting valuable production space, with bespoke dryers also supplied to suit specific customer requirements. Installation and commissioning is included in the selling price, with a one-year warranty covering parts and labour. Nationwide service support is available with a five year warranty and a service contract is also available.

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The latest HBP-TS series zero loss adsorption air dryers from Hi-line Industries Ltd, which incorporate touch-screen technology.

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