

Bauer appoints Burdens Group Ltd for crop irrigation solutions in Lincolnshire and neighbouring areas

One of the country's leading suppliers of farm and professional horticultural equipment has added Bauer irrigation products to an already comprehensive portfolio of machinery for specialist growers.

The Burdens Group Ltd is now handling the Bauer irrigator range of hose reels, centre pivots, rains guns and sprinkler booms throughout Lincolnshire, east Nottinghamshire and north Cambridgeshire.

"Having Bauer as our irrigation partner was the obvious first choice," says Shaun Taylor, Group Sales Director. "Bauer equipment generally, and the Rainstar irrigation reel in particular, has an enviable reputation for performance and reliability; it's the leading manufacturer to look to for efficient and durable irrigation kit."

Bauer irrigators complement a comprehensive range of specialist equipment for salad, vegetable and other commercial horticulture crops supplied by Burdens Group, providing a means of helping to manage yield, quality and crop supply to meet the exacting requirements of buyers, notes Andy Wilson, specialist crop sales manager.

"We are now in a position to supply some of the best irrigation equipment around; it's heavy-duty, has a very efficient water turbine drive system, and as little or as much electronics technology as you want," says Andy.

"Pretty much everything, including steel pipe and the famous Bauer coupling, and the polyethylene tubing that goes on the reel, is manufactured by Bauer in its Austrian factory for optimum

quality control."

The Bauer Rainstar irrigation reel line-up extends from the compact T Series, which starts with the T32 model handling Bauer PE pipe in 65-85mm diameters from 220-350m in length, through the full-size E Series, which tops out with the E55 XL carrying 125-140mm diameter pipe in 560-740m lengths.

High pulling force – up to 40% greater than with some irrigation reels – is generated by an efficient radial water turbine, working in conjunction with a gearbox, a heavy-duty drive chain and large diameter laser cut reel drive sprocket.

The Bauer turbine's design and precision assembly ensures it operates with very little water pressure loss, while the unique Vario variable output nozzle exploits what pressure is available by delivering full stream flow over the turbine's impeller at all settings.

The variable water nozzle maintains a constant hose retraction speed from the beginning to the end of the strip working in combination with an EcoStar 4300 or EcoStar 6000 controller – the latter option providing more advanced features including a 4.3in LED touch-screen for entering and adjusting settings.

Up to 12 different irrigation programmes that define retraction speed, pre-irrigation, post-irrigation and speed zones can be stored, and operating data is



collected for transfer to farm records.

Bauer's SmartRain cloud-based management system comes with a mobile device App with remote monitoring, alerts and control functions that can be a huge time-saver for managers and field staff overseeing the deployment of several irrigation reels.

A selection of rains guns and booms with different nozzle sizes, types and installations cater for all crops, bed and field layouts, with the recent addition of Bauer's Centerstar 9000 pivot irrigator to the UK range adding to the options available to Burdens Group customers.

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Irrigation kit added to portfolio



Rob Jackson (right) welcomes Burdens' Andy Wilson to the Bauer Irrigation dealer network in front of a Bauer Rainstar reel.

Farm and professional horticultural equipment supplier Burdens Group has added Bauer Irrigation products to its portfolio of machinery for specialist growers.

Burdens is now handling the Bauer irrigator range of hose reels, centre pivots, rain guns and sprinkler booms throughout Lincolnshire, east Nottinghamshire and north Cambridgeshire.

Bauer irrigators complement a comprehensive range of specialist equipment for salad, vegetable and other commercial horticulture crops supplied by Burdens Group.

"We are now in a position to supply some of the best irrigation equipment around; it's heavy-duty, has a very efficient water turbine drive system, and as little or as much electronics technology as you want," said Burdens' specialist crop sales manager, Andy Wilson.

"Pretty much everything, including steel pipe and the famous Bauer coupling, and the polyethylene tubing that goes on the reel, is manufactured by Bauer in its Austrian factory for optimum quality control."

The Bauer Rainstar irrigation reel

line-up extends from the compact T Series, which starts with the T32 model handling Bauer PE pipe in 65-85mm diameters from 220-350m in length, through the full-size E Series, which tops out with the E55 XL carrying 125-140mm diameter pipe in 560-740m lengths.

High pulling force – up to 40 per cent greater than with some irrigation reels – is generated by an efficient radial water turbine, working in conjunction with a gearbox, a heavy-duty drive chain and large diameter laser cut reel drive sprocket.

The Bauer turbine's design and precision assembly ensures it operates with very little water pressure loss, while the unique Vario variable output nozzle exploits what pressure is available.

The variable water nozzle maintains a constant hose retraction speed from the beginning to the end of the strip working in combination with an Ecostar 4300 or Ecostar 6000 controller.

Up to 12 different irrigation

programmes that define retraction speed, pre-irrigation, post-irrigation and speed zones can be stored, and operating data is collected for transfer to farm records.

Bauer's Smartflair cloud-based management system comes with a mobile device app with remote monitoring, alerts and control functions enabling managers and field staff to oversee the deployment of several irrigation reels.

A selection of rainguns and booms with different nozzle sizes, types and installations caters for all crops, bed and field layouts, including Bauer's Centerstar 9000 pivot irrigator with all options available to Burdens Group customers.



Burdens also imports Sieger drain jetters.

Drain maintenance is key

The link between blackgrass and poor drainage is as clear as black and white in some fields, with the well drained areas free of the weed, while infested areas clearly show the need for, or lack of, drainage.

According to Miles Drainage the problem could simply be a lack of maintenance. "With less full-time farm staff and more

acres to farm, drain maintenance can unfortunately become easily overlooked."

For a drainage scheme to operate to its full potential, the outfalls need to be in good condition and have a suitable freeboard – the difference between the drain invert and the ditch bed, says the company. Drains which are

hidden in the undergrowth need to be found, cleared and marked with a suitable marker post, making them easier to locate.

Spring is also a good time to carry out drain jetting and it is never too early to start planning mole draining deciding whether it is to be undertaken through the growing crop, or after harvest, it advises.

Miles Drainage is based in East Anglia but operates nationwide. The company can provide a GPS based land drainage design and installation service to agricultural, equestrian and sports field customers. Miles Drainage manufactures the Single Leg Mole Plough as well as supplying spares and wearing parts.



Miles Drainage provides a GPS based land drainage design and installation service nationwide.

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