



One of the new, recently installed Yamaha pick & place machines at Newbury Electronics. High res jpeg available on request.

Newbury Electronics delivers further improvements in productivity with the installation of two new pick and place machines.

- **Estimated 25% increase in capacity**

Newbury Electronics' commitment to improving its productivity, whilst maintaining the highest level of production, has received a significant boost this month with the installation of two new pick and place machines. This new equipment means that Newbury Electronics will have a complement of ten Yamaha I-pulse M20 and S20 SMD pick and place machines.

John Rowley, managing director, Newbury Electronics; said; "We are delighted that we have been able to upgrade our facilities with these new machines. The old equipment has served us well but we will now be able to unify all feeder set-up, programming, training and maintenance on one machine family type. We anticipate that this will deliver a 15 percent improvement in productivity throughout the SMD placement department. The old, retired equipment was only bought in 2007 and 2010, but now no longer meets the technical demands of our clients. Our two new Yamaha S20 machines will double the speed of placement and meet all known technical needs of our customers in respect of electronic assembly. So, in addition to the 15 percent productivity improvements, we will also realise a 25 percent capacity increase as well."

"The installation of these two new machines means that Newbury Electronics now has one of the largest and most modern contract electronic facilities in the country. Further to that, Newbury Electronics also has the largest compliment of Yamaha i-Pulse M20 & S20 series machines not just in the UK but also in Europe. Year on year our partner has invested in new machines, feeders and other accessories not only to increase throughput but also increase their efficiency," explained Nick Clarke, Yamaha Product Manager at Blundell Production Equipment, the UK distributors for the Yamaha machines.

The Yamaha i-Pulse S20 series has excellent flexibility whilst fulfilling the need for higher throughput. The new high capacity head system addresses the need for faster cycle times and provides ultra-large PCB handling capabilities with higher placement rates. The new head system incorporates six spindles with a wide component handling range and the machine also utilises the same fast change feeder bank and tray handler capabilities as the M20. It has a feeder capacity of up to 180 feeder positions and the optional camera will allow placement of parts from 120 mm x 90 mm down to 0.2 x 0.1 mm, fulfilling the current demands on reduced component and ball sizes.

Background

[Newbury Electronics Ltd](http://www.newburyelectronics.co.uk) has been trading for 63 years, during which time it has kept in step with changes in both electronics and manufacturing. It now offers its customers some of the most advanced contract electronic manufacturing (CEM) solutions available in the UK. The company provides a full [electronic design](#), and [PCB CAD layout](#) service alongside PCB manufacture and assembly in Newbury, West Berkshire. It employs over 90 staff and is dedicated to the rapid manufacturing of small and medium batch PCB assemblies. Production includes complex surface mount assemblies, automated and manual through hole assembly, box build, test, & rework. Videos showing the various processes can be viewed at <http://www.newburyelectronics.co.uk/newbury-videos/>

Customers can select from any of the company's services and the company is happy to undertake single, bespoke projects through to the design and supply of manufactured lots exceeding 10,000 pcs on its ten automated SMD assembly lines. It has recently introduced an economical [express same day PCB manufacturing service](#) for orders placed before 9am.

As a contract electronic manufacturer, each year, the company produces more than 11,000 different PCB designs for its clients, who benefit from the economies of scale built from the volume of orders processed. To learn more about the company's capabilities visit www.newburyelectronics.co.uk or watch <https://www.youtube.com/embed/l3oYzWglouU>

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