

The NEWS CIRCUIT

The Newsletter of NewburyGroup • ISSUE 8

AT A GLANCE

Welcome to Issue 8 of The News Circuit

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From filmwork to digital production

Last year we installed a Schmoll MDI (Mirror Direct Imager) and it was so good, we wanted a second one so that we could completely upgrade all of our photo-mechanical processing to 100% digital imaging.

We have used laser imagers for the last 8 years to print outer copper layers, but our old machine was not powerful enough to image solder resists as well. The Schmoll MDI is truly a second generation machine. It has more than sufficient energy output to rapidly print all coloured solder resists with ease as well as plating resists.

The addition of the second machine will give us the redundancy to enable us to decommission our legacy analogue printing machines with complete confidence that we will not be losing any sleep should a single MDI go down. Two machines provide mutual back-up and vast printing capacity for peak production loadings.

From the MD

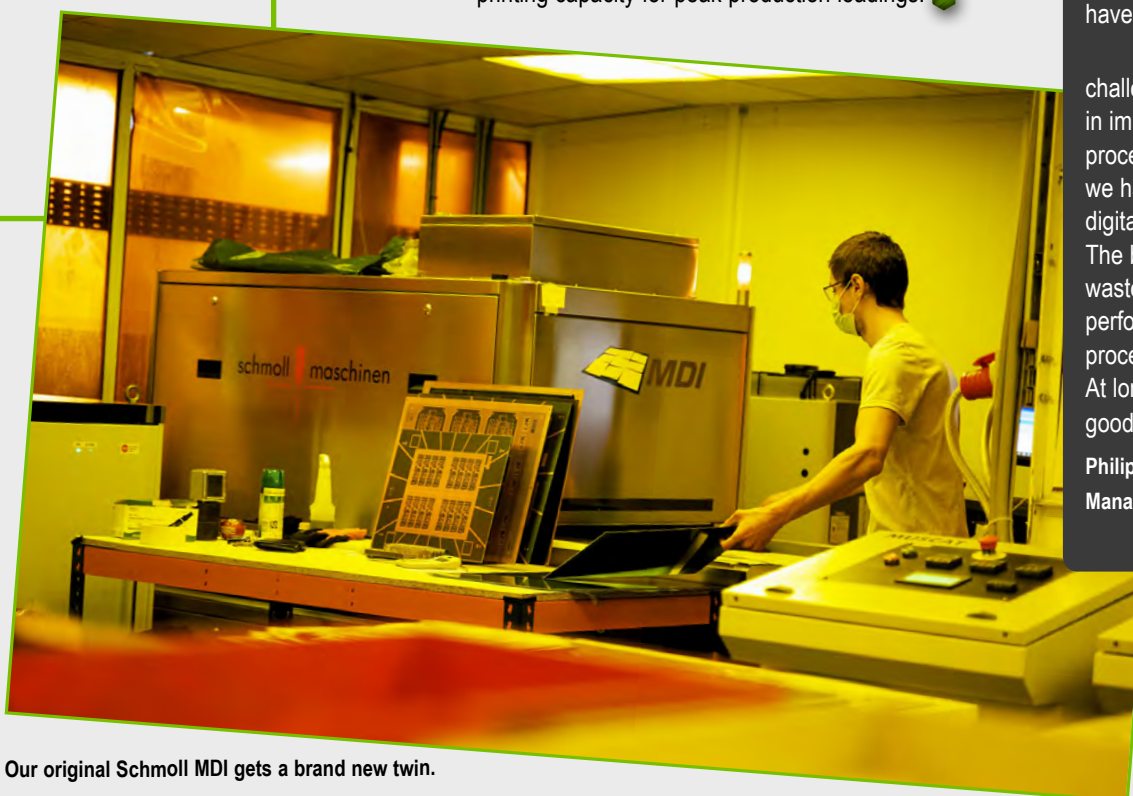


In common with everyone, the pandemic has forced us to re-organise our work practices.

We have had to adapt to socially-distanced working and we are grateful for the cooperation and support of our staff, clients, and supply chain who have together made it possible for us to maintain production and achieve delivery dates. We have not been untouched by infections but, thankfully, all have now recovered.

Despite these challenges, our investment in improving our production process has continued and we have now got a completely digital production system. The benefits are reduced waste, better technical performance, and faster process speed. At long last, we can say goodbye to film-work.

Philip King
Managing Director.



Our original Schmoll MDI gets a brand new twin.

NEW APPOINTMENTS

Zandra Forder is appointed Deputy Managing Director.

With 30 years service to the company, Zandra has extensive knowledge of all aspects of the PCB and PCBA industry as well as Newbury Electronics itself. Her appointment sends a clear message to customers that we are planning for the future. The company's success is driven by the enthusiasm of our staff. We are absolutely confident that this is the right appointment.

Chris Hobson is appointed Plant

Manager of the Assembly Division factory at Newbury Electronics.

Having been with the company for almost 24 years, Chris has a wealth of knowledge and a keen eye for quality - looking after our QMS, he has recently lead the business through all the steps to reach AS9100 accreditation. ●



Newbury Innovation expansion

In the last 2 years, the size of our design team has more than doubled.

We now have some of the most experienced and capable electronic engineers in the UK.

We've tackled challenging projects in a wide range of industries, ranging from industrial and commercial right through to other areas such as military and medical.

Over the years we have developed and refined our processes to ensure that we provide our clients with an unrivalled, cost-effective and ultra-efficient electronic design service. We welcome your electronic design enquiries. ●



NewburyInnovation

A new ENIG finish line

We are continuously planning ahead and investing in the latest equipment and processes.

Our newly installed Electroless Nickel Immersion Gold (ENIG) plating line, will enhance the quality of our ENIG finish and increase our ENIG plating capacity substantially. The ENIG process plates 0.1 microns of gold over 5 microns of nickel upon the exposed copper pads of a PCB, giving a very flat and robust finish upon which to solder surface mount components.



Conformal Coating Service for added PCB durability

Conformal coating acts as a barrier that protects electronic components against harsh environments, prolonging their lifespan. We now have the latest technology to deliver this custom service.

You can get a price and place an order online for conformal coating by our PVA Delta 8 Selective Coating/Dispensing System multi-axis digital automatic conformal coating machine. This is a completely automatic machine process requiring no manual masking for keep-out areas, and is ideal for complex conformal coat patterns when numerous components must be shielded from coating.

We utilise HumiSeal 1B73, the military/aerospace upgrade of the more commonly used HumiSeal 1B31. This acrylic-based conformal coating is fast-drying, offers excellent flexibility and electronic properties. Go to www.pcbtrain.co.uk for a price.



See the PVA Delta 8 CC machine in action in our YouTube video.

[WATCH VIDEO](#)

Stay connected!

Keep up-to-date with all the latest Newbury Electronics news on our social pages - follow, like, comment & share!


We are looking to produce some interactive content in the near future, so:


- Do you have a question about one of our PCB production processes or services?
- Want to know the best way to present your PCB design data for manufacturing?
- Would you like to see some new 'how-to' videos, such as hand soldering?

If so, please let us know! 

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AS9100 Approval Awarded

Our CEM division is now approved to AS9100.

This approval is specifically aimed at the aerospace industry, and it requires and builds on our existing ISO 9001 approval. Since we are now AS9100 accredited, we are now listed on the Online Aerospace Supplier Information System (OASIS) which provides a database of qualified aerospace suppliers. 



AS9100 - Certified

"The assembly and population of printed circuit boards and the manufacture of electronic assemblies."



 NewburyElectronics

For more news and views see Philip King's online blog

READ MORE

ALSO: See the website for news and developments in Electronics Design, the future of the Electronics Industry, technical production processes, details of White Papers affecting the branding, testing and patenting of your new product, as well as staff appointments.

READ MORE

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