



# Company Bulletin

for EMC, EMP, HEMP & TEMPEST Protection

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Strippit P-1525 turret punch press with CNC control panel



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### Punching up to the next level in fabrication

MPE has invested in a new, state-of-the-art, turret punch press to expand the company's in-house capabilities for fabricating steel enclosures for its world-leading EMC, EMP and HEMP filters. This additional capital investment is a direct result of the exceptional increases in demand and manufacturing throughput that MPE has experienced over the past 18 months and the unprecedented volume of its current order book.

The new machine is a Strippit P-1525 CNC turret punch press from Belgian plantmaker the LVD Group. Procured in March, the machine is to be installed and commissioned in a week of June 2020. Exact forward planning for the downtime ensures no interruption to manufacturing flow whilst an older press is taken out of service and replaced by the new model.

The set-up and operating procedures of the new 200kN Strippit P-1525 are optimised to make small batch production runs as efficient as possible. For example, MPE's current punch press can hold up to 20 tool stations, whereas the new press is capable of holding 33 tool stations, thereby reducing the number of changeover operations and the amount of time taken for each one.

That makes the Strippit ideally suited to producing the multiplicity of enclosures that MPE is called upon to fabricate every month, more often than not on a customised basis.

MPE is currently limited to fabricating enclosures from 2.0mm gauge sheets of mild and stainless steel. In contrast the new Strippit machine will allow MPE to process stainless steel sheets up to 3.0mm and mild steel up to 6.35mm thick. In addition, the maximum steel sheet size that MPE can punch will increase from 2500 x 1250mm to 3000 x 1500mm.

Meanwhile the CNC control provides powerful diagnostics features and a large program storage capacity and networking capability with user-friendly MMI (man-machine-interface). The control panel incorporates powerful colour graphics, advanced real-time diagnostics and an increased program storage capacity and is network-ready for easy transfer of programs from MPE's Design Department.

The advanced hydraulic drive reduces noise and shock to increase machine longevity and reduce tool wear. What is more, in line with MPE's commitment to reduce negative environmental impact and further improving its green credentials, the Strippit boasts the latest energy reduction system (ERS), which offers an appreciable power saving as compared with the previous punch press.

Marcus Wright, Manufacturing Manager at MPE, enthuses: "As a further significant investment in MPE's production, the commissioning of this advanced, state-of-the-art, CNC punch press will enhance MPE's capacity and flexibility in fabrication as well as strengthening the company's total in-house manufacturing capability."