

# MASTER TOOL SERVICES

## Master introduces the cost-effective range of ZIPP fastening tools

ZIPP Group's range of metal removal air tools have been providing cost-effective solutions for users in the United Kingdom and Ireland. Two years on from launching the ZIPP range in the UK, Master Abrasives is now introducing the complete range of fastening air tools manufactured by ZIPP Group and sold under the ZIPP® brand and is looking for suitable distributors for the range.

Initially, Master Abrasives has been working with ZIPP Group to provide customers with a low cost, high quality solution for power tools which offer advanced, innovative designs that meet the needs of the user. This includes features such as low-vibration technology, designed to help companies to reduce the risk of HAVS in the workplace affordably. The industrial tools available include die grinders, orbital sanders, pencil grinders, and other cutting, grinding, and surface finishing tools.

The newly introduced range of professionally designed fastening tools by ZIPP Group includes impact drivers, oil impulse tools, torque wrenches, riveters, and more, with tools being made in USA and Taiwan all to the highest quality standards. The new ZIPP fastening tools catalogue details the full range available to meet demanding applications in automotive, shipyard, railway, and other markets. This

comprehensive brochure complements the existing ZIPP pneumatic tool range currently available from UK representative Master Abrasives.

An example of the high-quality design of ZIPP fastening tools is the rear exhaust 3/8" air impact wrench model ZIW344 which operates with a double-chamber 9 vanes motor to provide higher output power in comparison with conventional motors for high productivity. It uses a double pin hammer mechanism and a one-piece front end plate and cylinder design to improve motor-efficiency. A 360-degree swivel air inlet and user-friendly side reverse switch helps improve operator comfort.



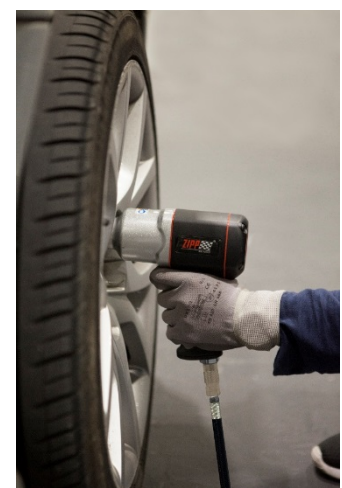
The ½" air impact wrench model ZIW1015C uses a twin hammer impact mechanism for high torque output performance and a special hardened Cylinder, Front plate, and Rear plate to maintain high durability. A spring-mounted vane prevents dead-lock issues, and the 360-degree swivel air inlet and composite handle improves operator comfort.

Innovative designs are also seen in the range of ZIPP air saws, including model ZS319H which is manufactured with patented designs to ensure extreme low vibration and operator's comfort. These patents include a vibration-reducing suspension and its modular unit assembly in a clam-shell composite housing which also assists with easier servicing. A universal swivel air inlet joint allows manoeuvrability of the tool and a safety trigger prevents accidental start-ups and improves operators comfort.

In the metal removal tool category, the pencil grinder ZPD212 has been an outstanding example of the high-quality standards that ZIPP Group manufactures to. A high-speed air motor and twist throttle offer variable speed control up to 60,000RPM, its alloy steel made cylinder maintains durability and the high-grade ball bearings used provide a smooth low vibration operation. The results from real-use Hand Arm Vibration (HAV) tests carried out by Master Tool Services department showed that the vibration levels for the ZPD212 were considerably lower than those of two other well-known brands equivalents which were used for a true comparison in the tests. The lowest vibration magnitude result for ZPD212 grinding a steel turbine blade came in at an impressive 0.62 m/s<sup>2</sup> in comparison with 1.22 m/s<sup>2</sup> and 1.07 m/s<sup>2</sup> for the other chosen tools results. A full case study with details of the HAV test results can be downloaded from [www.master-toolservices.co.uk](http://www.master-toolservices.co.uk) on the information page.

As well as good value for money, customers can also benefit from low HAV levels when using the quality ZIPP tool range, helping companies to save costs and protect employees by reducing the risk of HAVS in the workplace.

"ZIPP Group is continually developing products to meet the changing needs of users. For instance, ZIPP recently launched the latest advanced bolt tightening technology at the Stuttgart Fastener Fair in March. The new technology includes the Sensing Bolt, the Tagged Bolt, and the Torque Transducer with RFID Reader, the Transmitting Socket, and the Transmitting Cap, all capable of communicating with the ZIPP Controller." Paul Batson, Managing Director states, "these innovations together with the build quality of the tools and excellent price levels make us at Master Abrasives proud to represent ZIPP Group in the UK and Ireland for their entire range of tools."



For further information on the professionally designed range of fastening tools by ZIPP Group, download the catalogue online or request your hard copy from Master Abrasives.

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