

PRESS RELEASE

New metalworking fluid filtration technology set to benefit machine tool and grinding systems

Companies operating machine tools will be able to benefit from extended tool life, improved component quality, reduced maintenance & spare parts costs, and much more thanks to Fluid Maintenance Solutions Ltd.

Fluid Maintenance Solutions Ltd have been appointed by RBM di Battistutta of Italy as the sole United Kingdom agent for their IFDR range of advanced metalworking fluid filtration solutions for machine tools and grinding systems. These have been proven in many different applications on machine tools from leading manufacturers including Mazak, Mori Seiki, Hermle, Kitamura, Mandelli, Tachella Cross, Favretto, and CB Ferrari.

Extended tool life, improved component quality, reduced fluid use and disposal, elimination of paper media purchases and disposal, elimination of maintenance and spare parts costs have all been reported by those who have retrofitted IFDR systems to their existing machine tools.

The highly effective design of the IFDR systems offers manufacturers the opportunity to increase productivity and reduce environmental impact whether as a retrofit or part of a turn-key installation. The performance of the IFDR systems is guaranteed with high pressure fluid return currently up to 100 bar g. All achieved without disposable media; avoiding consumable inventory handling and hazardous waste disposal costs. The IFDR systems have no media related down time and can run for over two years without the need for service. Servicing is simple with no need to purchase spares kits to replace wear parts.

At the heart of all IFDR systems lies Industria's patented Filstar element-less filter and a tramp oil separator which guarantee a very clean fluid returned to the machine tool to meet the demands of high performance machining and grinding operations.

Steve Thompson, Director at Fluid Maintenance Solutions Ltd said "As engineers with metalworking fluid sales experience we are very aware of how much waste is generated in the use of these fluids and the IFDR systems are a true step change in metalworking fluid filtration technology.

"We are absolutely delighted to be able to supply these unique solutions to UK manufacturers. By investing in a demonstration unit for shop floor trials we can show the benefits that IFDR can provide first hand."

Speaking about the appointment, Mr. Enrico Battistutta, Managing Director of RBM said "The choice of Fluid Maintenance Solutions Ltd as our representative in the UK is because they share the same values related to the environment and the possibility of waste recycling, and significantly reducing the environmental impact ensuring a perfectly clean metalworking fluid and its longer life"

The President of Industria Corporation, Mr. Kazuaki Takahashi commented "I am delighted with the performance of these IFDR systems. They provide the quality of liquid on demand that machine owners desire for their working and without all the usual problems. The systems are a credit to RBM and their design team"

The cleaner a metalworking fluid being delivered to the cutting zone the greater the machining performance and the lower the cost per part. This is the primary function of an IFDR system. It efficiently removes contamination from the whole volume of the metalworking fluid. Combined with a conveyor where the metal swarf is removed separately the extremely fine and highly abrasive fines removed by the IFDR systems will help improve productivity and overall equipment effectiveness.

If existing machine tool filtration systems suffer from tramp oil, the need for sump dig outs, use consumable filter media or require maintenance intervention and spare parts, converting to an IFDR metalworking fluid filtration system guarantees cost reductions and productivity improvements.