



Application Profile – High Velocity Drying

Customer:

The Ford Motor Co - Lima, OH

Production Line:

DEW Engine Line



Similar Application, Not Actual Installation Photo

“During the machining of engine components, cutting and grinding tools cause metallic particles and abrasive fragments to collect on the components. The debris and swarf matter must be removed before further processing of the part can occur. High velocity air removes swarf and debris. An enclosed air module produces air flows greater than 800 km/h, forcing machining debris off of the part which completely dries the part, including deep cavities and holes.”(Durr Automation website, www.durrautomation.com)

In 1994, Agullo Barcelona (became part of the Durr Ecoclean GmbH Group in 1996) was contracted to supply Ford Motor Co with parts washing machines, which incorporated Sonic Blowers and Air Knives for the critical drying stage. Sonic provided (7) 20hp Blower/Motor units, which provided the required high velocity air to remove the entrained debris. This feature has come to be listed as one of the major benefits for their standard cleaning machines. And in 2000, the Blower units were updated to the Automatic Belt Tensioner to help reduce the belt

maintenance which “had a huge impact on MTBF (Mean Time Before Failure),” shared by Mike Mammone, Maintenance MPS for the 3.9L V8 production line.

Sonic has worked hand-in-hand with Durr Industries in the States on various projects including Harley Davidson, PA USA. Durr Industries is the world’s leading specialist in integrated systems for parts cleaning. Their main clientele is the automobile and its component supplier industry.

Facilities include:

Durr Ecoclean GmbH
Filderstadt, Germany

Durr Ltd
GB-Warwick, UK

Durr Automation, Inc
Michigan, USA

Durr AIS S.A.
Courbevoie, France

Ingenieria Agullo
Barcelona, Spain

Durr South America Ltd
Pt Elizabeth, South Africa

Ingenieria Agullo
Brno, Czech Republic

Durr Pty. Ltd.
Adelaide, Australia



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