



Donaldson.
FILTRATION SOLUTIONS

AIR FILTRATION DEVELOPMENT TOOLS Prototype & Performance Testing



Air Test Labs

- Test facilities in U.S., Europe and Asia
- Environmentally-controlled test conditions
- Efficiency, capacity, pressure loss, water separation testing including ISO5011 methods
- Capabilities to 28,000 CFM (793 m³/min)
- Automatic flow control and data acquisition
- Multiple standardized contaminants
- Multiple contaminant feed systems

Crankcase Ventilation Tests

- Ambient and elevated temperature benches
 - Measure efficiency vs. particle size vs. time
 - Measure filter differential pressure vs. time
 - Generate proposed ISO standard aerosol

Soot Loading Bench

- Uses highly controlled diesel engine exhaust to measure soot loading capacity and retention of media

Prototype Capabilities

- Media hand sheet prototyping
- Rapid prototyping: including a 3-D printer to allow project team to go from concept to testable plastic parts overnight
- Machining: cutting, bending, turning and welding of plastics, steel, aluminum and stainless. Computerized plasma cutting station
- Vacuum forming
- Element fabrication

Donaldson Company, Inc.
PO Box 1299
Minneapolis, MN
55440-1299

www.donaldson.com
www.donaldsonOEMfiltration.com

United States
Canada
Mexico
Latin America

Caribbean
Brazil
Europe
South Africa

South East Asia
Greater China
Japan
Australia
India

Brochure No. F111305 (03/10)

© 2010 Donaldson Company, Inc. All rights reserved. Donaldson Company, Inc. reserves the right to change or discontinue any model or specification at any time and without notice. Printed in the U.S.A.