

200% Uptime Increase From Advanced Filtration Technology



“Since installing your magnetic rods and filter pads ... our uptime has increased in excess of 200 percent ... We recommend your filtration systems to enhance preventative maintenance programs of any industrial application, as they are user friendly, very efficient, easily cleaned and cost effective.”

ROBERT TUTTY, OWNER, SPECIALTY LAMINATE MANUFACTURING LTD.

SPECIALTY LAMINATE MANUFACTURING LTD.

“When you run 24/7, uptime is everything,” points out Robert Tutty, owner of Specialty Laminate Manufacturing Ltd. (SLM), a leading manufacturer of Melamine board. SLM was a small company but continuous high quality production and competitive pricing ensured it did not stay small for long.

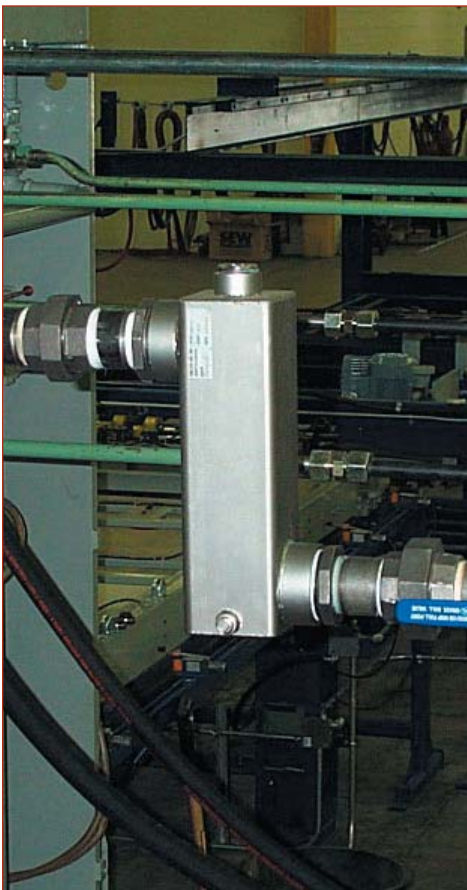
“Uptime has increased in excess of 200%”

“We had to take clear and positive action. We were experiencing downtime due to pneumatic control valve and hydraulic fluid leakage from joint and weld failure every four to six weeks.” Tutty explained. Because SLM’s orders grew so fast their plant is now flat out every day, all day, with little time for any critical part of the plant to fail.

Tutty approached One Eye Industries (OEI) with the hope that he could at least keep his 4,500 pound Wemhoner presses running without interruption. A 2011 magnetic scrubber rod was immediately installed at the inlet and the outlet of the Wemhoner’s 250 gallon hydraulic reservoir. 6 months later Tutty reported that, “shut down for valve replacement, joint and weld failure has been dramatically reduced. Our uptime has increased in excess of 200% thereby improving production.”

ADD-Vantage 9000 Adds to Filtration Capabilities

SLM was so pleased with the improved uptime of their plant that they have added



left: FilterMater 4000 Scrubber in action on hydraulic return lines



right: FilterMaster Series 2003 Y-Strainer installed on pneumatic air lines





FilterMaster ADD-Vantage 9000 – equipped with a 25 micron, stainless steel, reusable oil filter and secondary magnetic filtration rod – on a Wemhoner press. (Filter indicated by arrow)

the ADD-Vantage 9000 to the rest of their systems. The 9000, the world’s most advanced filtration system featuring patented magnetic technology, is specially designed for hydraulics and lube oils. It also replaces disposable hydraulic filters with the 9000’s reusable, stainless steel filters that can be cleaned in a parts washer or with an ultrasonic cleaner. The 9000 has totally eliminated SLM’s stocking of disposable filters and takes the first step at reducing the 900 million filters thrown into landfills every year in North America.

“The way I figure it, these filters pay for themselves the second you install them.” boasts Tutty. “The ADD-Vantage 9000 has improved the filtration capabilities to the point where the oil remains as clean as the day we employed it; one year later.”

FM5000 Scrubbers have also been added to the plant maintenance program. They are installed on the hydraulic return lines and remove contamination and wear metals before they go through the ADD-Vantage 9000. “You can never have enough filtration,” says Tutty when asked about all the filters in his plant. “I can no longer afford my entire plant shutting down because equipment has failed.”

How It Works

OEI’s filtration exceeds manufacturer and ISO standards, and features patented magnetic technology which creates the magnetic field strength necessary to effectively remove ferrous contamination at the sub-micron level. Hard ferrous particles (iron and steel) from sub-micron to 10 microns in size are responsible for most of the wear cycle damage in lubrication and hydraulic systems with specific damage to bearings, seals, and valves. Severe damage is caused by particles in this size range because they are absorbed into the oil film and travel to high-pressure areas causing plowing, gouging and spalling. Standard filtration is not able to effectively remove contamination of this type. OEI’s technology creates magnetic fields strong enough to remove these particles. In many cases this is the first time credible filtration to this level has been possible.

The Last Word

Tutty summarizes his experience by saying, “One Eye Industries’ unique filtration systems are now improving our filtration on all our equipment at both of our facilities. We highly recommend your filtration systems to enhance preventative maintenance programs of any industrial application as they are user friendly, very efficient and cost effective.”

Customer at a Glance

**SPECIALTY
LAMINATE
MANUFACTURING
LTD.**

company: Specialty Laminate Manufacturing
industry: Melamine press board
location: Calgary, Alberta

Technology Highlights

- ADD-Vantage 9000 hydraulic & lube oil filters with 25 micron absolute, reusable, stainless steel filters - on all equipment
- FM 5000 Scrubbers – at the inlet and outlet of a 250 gallon hydraulic reservoir tank
- FM 2003 Y-Strainers – in air lines



Challenge	Solution	Results
PLANT UPTIME		
<ul style="list-style-type: none"> • Increase uptime of a 24/7 plant that experiences severe line delays every month from hydraulic and pneumatic failures. 	<ul style="list-style-type: none"> • Adopting a FM2011 Magnetic Rod on the inlet and outlet of a 250 gallon hydraulic reservoir. • Installing FM5000 Scrubbers on all hydraulic return lines. 	<ul style="list-style-type: none"> • 200% increased uptime of the entire plant. • Increased life of critical components (valves, pumps, motors and seals). • Reduced maintenance costs (fewer replacement parts & less personnel overtime).
PLANT EQUIPMENT		
<ul style="list-style-type: none"> • Extend maintenance cycles. • Reduce the cost of operating machinery. • Reduce the environmental impacts of disposable filters. • Easily cleaned. 	<ul style="list-style-type: none"> • Adoption of ADD-Vantage 9000 hydraulic and lube oil filter on all equipment. • Usage of ADD-Vantage 9000 reusable stainless steel filters – 25 micron absolute rating. • Cleaning: <ul style="list-style-type: none"> • A rag – magnetic filter rod. • An ultrasonic washer or a parts washer – ADD-Vantage 9000. 	<ul style="list-style-type: none"> • Fewer hydraulic oil changes and longer service intervals as the “oil remains as clean as the day we employed it.” • Reduced operational costs as the 9000 eliminated: <ul style="list-style-type: none"> • Disposable filter purchase. • Disposable filter stocking. • Used filter disposal costs. • No increase in maintenance time.
AIR LINES		
<ul style="list-style-type: none"> • Prevent air lines from plugging and carrying contaminants to equipment. 	<ul style="list-style-type: none"> • Installation of FM 2003 Y-Strainer (with magnetic rod inside) inline. 	<ul style="list-style-type: none"> • Reduced seal wear. • Reduced air tool maintenance. • Capturing large volumes of rust particulate and very fine eroded steel filings.

For more information on how to get One Eye Industries working for you please contact your local reseller, visit www.OneEyeIndustries.com, or call 1-877-888-TRAP

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