

# Cold Rolled Mill Filtration

INDUSTRIAL FILTRATION | OIL FILTRATION UNIT | COLD ROLLING MILL PROCESS

## Severstal Facility (formerly Ford Rouge Steel)

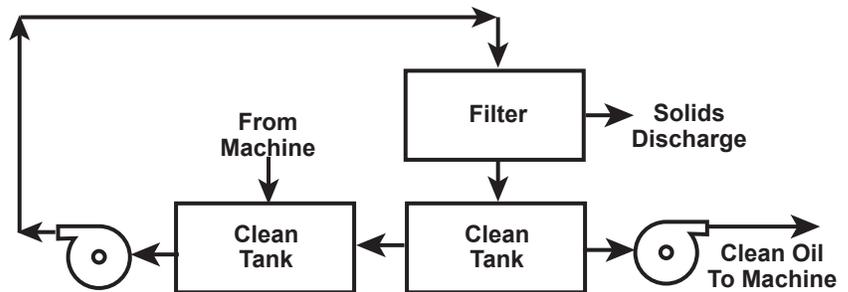
**PRODUCT USED:**

**Verti-Press Automatic Pressure Filter**



<b>END USER:</b>	Severstal (Steel Manufacturer)
<b>LOCATION:</b>	Dearborn, Michigan, USA
<b>UNITS:</b>	(1) VPC-50-1 (50 ft <sup>2</sup> of Filtration Area) (Verti-Press Coolant) (VPC)
<b>RATE:</b>	1,000 gpm at 40 psi
<b>PROCESS:</b>	Filtering metal fines from cold mill sizing operation

**OIL FILTRATION UNIT-COLD ROLLING MILL-PROCESS FLOW DIAGRAM**



**MORE INFO**

The Severstal facility (formerly Ford Rouge Steel) produces cold rolled steel for use in the automotive industry. The steel rolls are processed and sized using a variety of different roll machines, which require extensive lubrication to meet quality and production requirements.

The oil filtration units filter the metal fines from animal fat based lubrication oils on a continuous basis, and clean oil is then returned to the rolling/sizing machines.

In the past, a flat bed pressure filter would be implemented in this application, however the VPC filter offers a variety of process improvements as it is the next generation of technology. The unit operates at higher pressure, which

enables it to produce thicker, drier solids discharge, as well as better filtration throughout the cold rolling mill process.

The cold rolling oil filter also has a minimum of moving parts, as it does not clam shell open and close, which provides better overall plant hygiene, reduced maintenance costs, and reduced footprint (real estate) in their facility.

Presently Severstal is looking at expanding their filtration requirements, and plans on utilizing this new technology throughout their cold rolling mill process.

**Learn the biggest mistakes to avoid when filtering process oil for reuse, call today, 248-427-9090.**