Wood Pellet Manufacturer Saves More than CAD\$11,000 **Annually Spraying Oil with Automated Spray System**

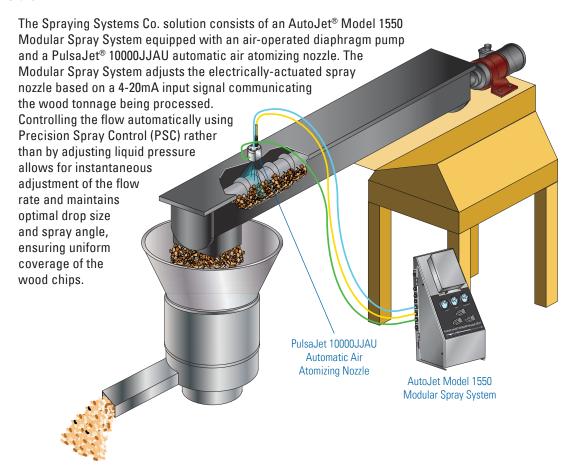


Problem:

A manufacturer of wood pellets needed to spray oil on wood chips being pressed into pellets. The pellets, made from sawdust and wood chips, are mechanically formed into a consistent shape at high pressure to create a high-density heating fuel source. The oil acts as a binder for the pellets and also as a lubricant during the pressing operation.

A high pressure pump and a fine spray hydraulic nozzle were previously used, but the viscosity of the oil being sprayed resulted in a poor spray pattern and uneven distribution of the oil across the wood chips. Over-application of the oil was a problem as well since the system was unable to adjust flow rate based on the tonnage of wood chips being processed.

Solution:





Wood Pellet Manufacturer Saves More than CAD\$11,000 Annually Spraying Oil with Automated Spray System – Continued

Results:

Better control of the spray application using the AutoJet® Modular Spray System has reduced the volume of oil used by 20%. More consistent lubrication of the wood chips has also resulted in fewer broken wood pellets and has greatly reduced the maintenance required on the press equipment. Together, these productivity improvements have saved the manufacturer more than CAD\$11,000 annually. The payback period for the system was less than six months.





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