

Daken Enterprises Ltd.

TROUBLESHOOTING - FLAKT PULP DRYERS

Daken Enterprises Ltd. was originally set up to supply components to Flakt Canada Ltd. and to its' Swedish parent. This business developed so that it provided the major portions of four dryers and installed two dryers for Flakt Canada Ltd.

Daken then expanded independently of Flakt and ABB and began manufacturing coil screens, steam coils and sheet guides, supplying them to the end user directly. Daken's customers often request trouble-shooting advice because of our intimate knowledge of the Flakt dryers.

To follow are some problems that our customers have experienced with their Flakt dryers and the solutions that we developed.

OVER-PRESSURED DRYER

Problem: One customer had an over-pressured dryer that resulted in a low production for a 2-year period. Our customer consulted the O.E.M. supplier and outside consultants without finding the problem.

Solution: Daken was consulted and found that an exhaust fan was running in the wrong direction.

START-UP AND THREADING DIFFICULTIES

Problem: Startup difficulties in the cutter.

Solution: Installation of a Daken Balance Beam Corrector solved this problem.

Problem: A mill was having a difficult problem threading the dryer – the kite stopped before it was through the dryer.

Solution: Daken was consulted and found one of the one-way clutches was slipping. It was discovered that the clutches were not tested properly.

Problem: A customer has a combination dryer/cooler that was very difficult to thread.

Solution: Daken showed the customer how to pre-thread the dryer/cooler with a continuous jute tape at a cost of a few hundred dollars.

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DIFFICULTIES with the PULP SHEET

Problem: The pulp sheet had a tendency to go to one side of the dryer during threading and it took 8 hours or longer to stabilize the sheet and get it running through the cutter.

Solution: Daken installed a Daken Balance Beam Corrector. The sheet went straight through the cutter on the first attempt – zero time lost.

Problem: It was very difficult to stabilize the sheet after threading the dryer. Our customer had many cutter plugs at start-ups after sheet breaks.

Solution: Daken modified the Sheet Guide System incorporating a manual corrector roll positioner with a geometry change of this roll.

Problem: A wrinkle developed in the sheet at the dryer's outlet end and caused cutter plugs.

Solution: Outlet roll geometry modification and an installation of Daken Balance Beam Corrector solved this problem.

DELIVERY OF WRONG-HANDED COILS

Problem: O.E.M. vendor supplied steam coils of opposite hand to those ordered. This was not discovered until the shutdown when the coils were to be installed.

Solution: Daken designed modifications that could be made by the installation contractor to allow the coil to be installed without loss of efficiency or time during the shutdown.