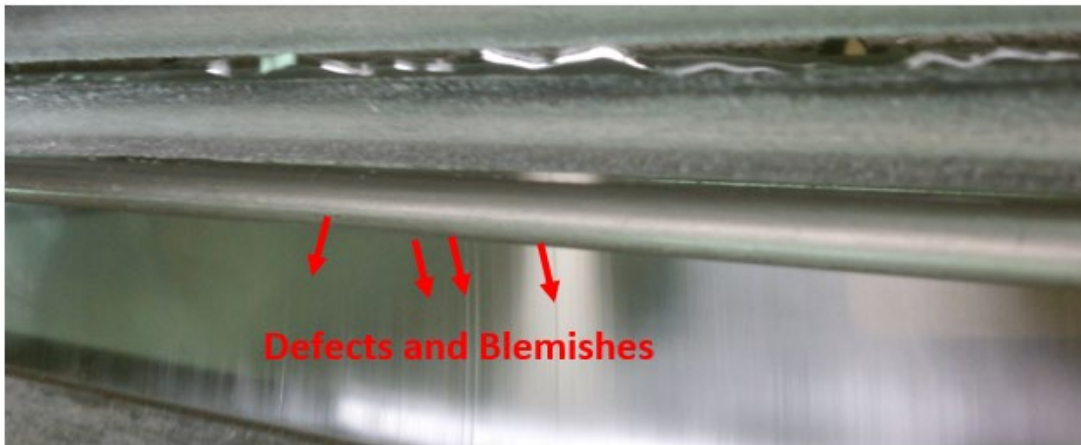




APPLICATION GOAL: The goal of this application was to improve the product surface finish of a hot extruded plastic film. The film exits the extruder then goes into a pre-form, the surface of the film must be “set”, before it gets to the pre-form so that the product will not jam or get surface blemishes.



BEFORE EXAIR: The customer is running a homemade drilled pipe configuration to help cool and set the surface layer of hot extruded polymer sheet. Notice in the picture below you can see the streaks the holes in the pipe are causing to the surface finish.



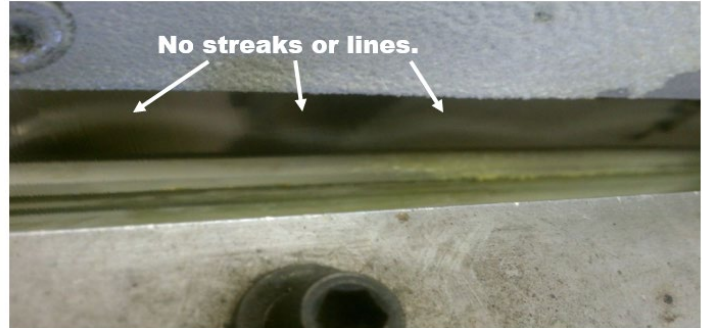
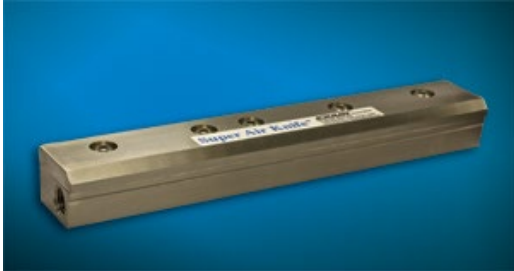
AFTER EXAIR: The customer was able to remove both sets of the drilled pipe and replace them with [36" \(914mm\) Stainless Steel Super Air Knives](#). The product surface finish went from a wrinkled finish to a smooth laminar sheet like it is supposed to be. The clarity in the product was also improved because there were fewer thickness changes. In the end the customer was able to also increase the process speed due to the improved surface finish. Another positive gain from the switch was the noise level in the area was decreased dramatically because of the quiet operation of the Super Air Knives.

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