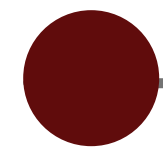


Triple/s Dynamics

Covanta Niagara Falls

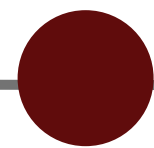


Timeline



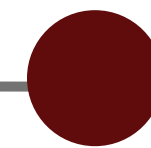
1994

Two lengthy Slipstick Horizontal Motion conveyors (235 ft & 259 ft) were installed to move hot ash from the ash dischargers.



2020

After 26 years of operation in the intense abrasive and corrosive environment, it was time to replace & upgrade the 235 ft workhorse conveyor.



2021

New Slipstick installed with upgraded, but more compact #32 drive, web-style truss, and overhead goal-post style suspension structures.

Basic Information

T/SD Serial Number

HDC-9478 (replaced)
HDC-2021-09 (new)

End User Name/Location

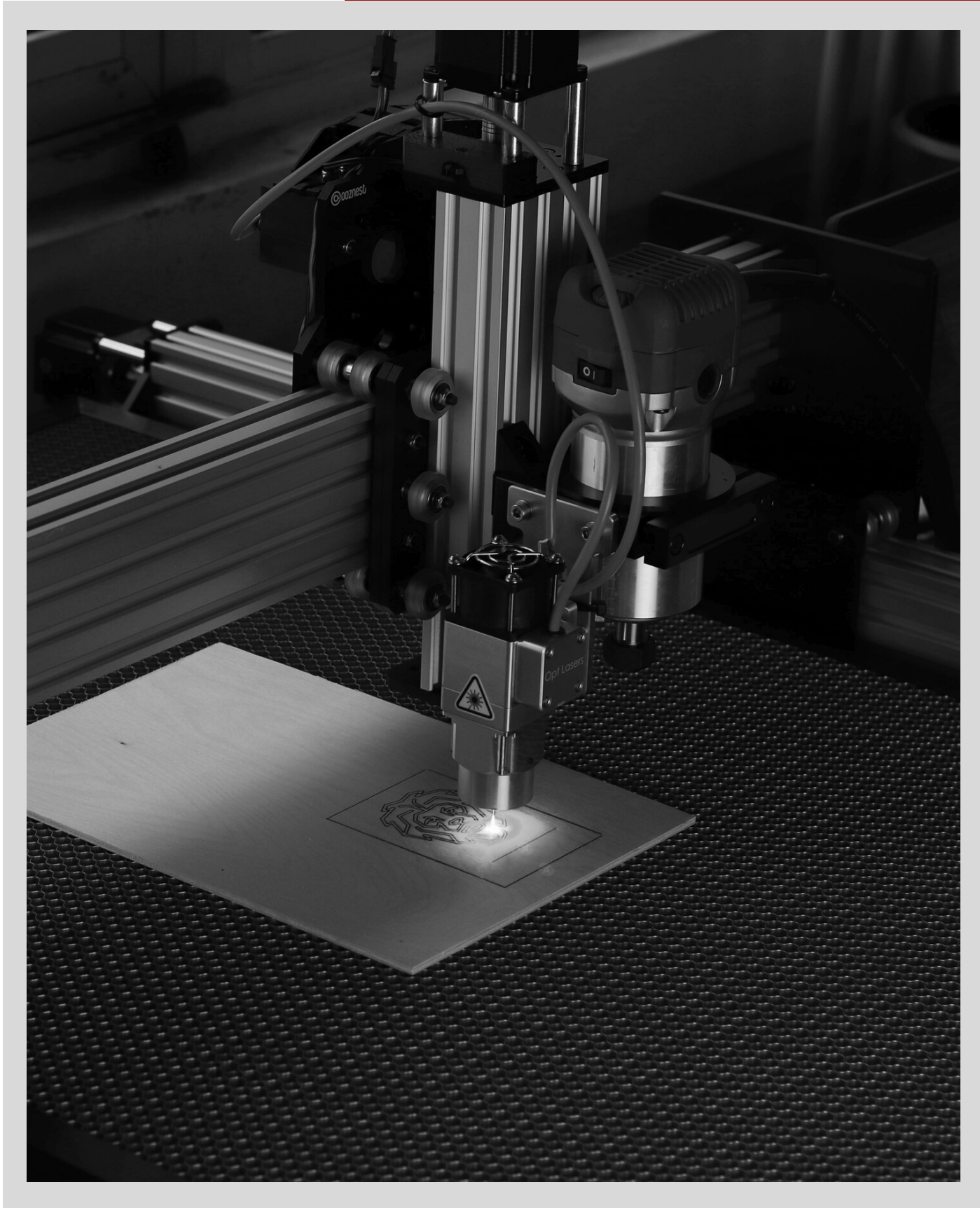
Covanta Energy
Niagara Falls, NY

Consulting Engineer

N/A

Application

Waste-to-Energy
Conveying 31.25 TPH Bottom Ash a Distance of 235 ft



Research

Customer Challenges	Solution	Triple S Advantage
<p>Existing Slipstick had reached the end of its life after 26 years of 24/7 operation. Time to replace.</p> <p>Client desired more efficient design to include product design improvements developed since installation of the original machine.</p>	<p>Triple/S Dynamics designed and configured the new Slipstick conveyor with a sturdy, more compact web-style truss to support the conveyor pan.</p> <p>The side pedestals with rocker/saddle rods were replaced with overhead tubular steel goal-post support structures from which rubber bushed end stainless steel rods hung.</p>	<p>Free of vertical pitching forces, the self-balancing forced vibration Slipstick conveyor moves the ash with a pure sliding motion.</p> <p>Without a vertical force component, the Slipstick can move massive amounts of product relatively quiet and without creating dust.</p> <p>The new suspension rods provide an extended lifetime over the rocker/saddle style.</p>

