

Application: Cleaning Pliers of Various Sizes		Date: 6-29-21
Serial number: 1005-0121	Machine model: CB-1600E	
Machine type: Conveyorized Belt		Industry: General Manufacturing

Customer summary:	Provider of professional hand tools
Item to clean:	Pliers, up to 12"
Contamination:	Machine oils
Cleanliness requirement:	Visually clean
Dryness requirement:	As dry as possible
Production rate:	25 inches per minute
Process parameters:	Wash, ambient blowoff

Customer background:

The customer is a U.S.-based manufacturer of professional-grade hand tools, used primarily for electrical and utility applications.

Challenge:

The customer needed a machine that could remove machine oils from various sizes of pliers. The pliers needed to exit visually clean and as dry as possible without the use of a heat blower.

Solution:

Alliance provided an Aquamaster CB-1600E conveyorized belt aqueous parts washer with a woven-wire conveyor belt. The conveyor includes a center lane divider and side guards to reduce the gaps on the sides of the belt. In the blowoff zone, air knives are adjustable for height. Other features include a mist collector, oil coalescer, chemical injection, and a micro-filtration chamber.

Cleaning Method:

Aqueous cleaning was chosen because a simple inline process was ideal for cleaning hand tools.