AMERICAN TECHNOLOGIES, INC.

Electronics/Equipment Restoration

PROJECT PROFILE

Type of job: Manufacturing equipment cleaning

Some of the initial damage done throughout the buildings

Situation

A fire ignited packaging materials and quickly spread throughout one of three buildings at a major manufacturer and distributor of tube and fittings for plumbing and refrigeration applications. The impacted building was deemed a total loss. Contents damage was significant and included finished inventory as well as critical equipment involved in the production of PVC plastic fittings, fabrication of line sets for air conditioning applications and casting operations for copper tube.

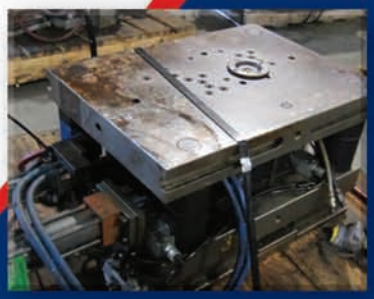
ATI Services

ATI was initially called in to provide consulting services on the damaged equipment. We were ultimately retained to perform emergency services and specialized equipment cleaning. Specific services included:

- Corrosion control to protect metal surfaces of plastic injection machinery and molds, machinery equipment and tooling.
- Cleaned numerous large shop tools including Bridgeport drill presses, lathe machines, CNC machines and injection molds.

The ATI Advantage

- Due to expert training and 20 years experience in technical restoration, ATI quickly evaluated the severity and nature of the equipment damage and subsequently performed emergency corrosion control measures to prevent



BEFORE

AFTER

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further moisture damage to critical manufacturing equipment.

- Once the emergency preventative measures were complete, ATI electronics/equipment specialists used a combination of the industry's best cutting-edge products and processes to clean and restore the damaged equipment. ATI's in-depth knowledge of electronics/equipment restoration and specially formulated detergents ensure that each piece of equipment was completely cleaned to pre-loss conditions.

BEFORE

AFTER

- ATI's electronics/equipment technicians also used a special CO2 cryogenic method of dry ice blasting to clean exposed surfaces of damaged injection molds quickly and efficiently. ATI cleaned over 180 die molds. With an average replacement cost per mold of $80,000, cleaning the molds compared to replacement represented a significant cost savings for the client.

Results

When this loss was called in to ATI, we were initially asked to provide consulting services to assess equipment damage. As a recognized leader in electronics/equipment cleaning and restoration, the client soon determined that we were the perfect fit to perform all subsequent emergency services and cleaning. As the scope of ATI's work increased, so did the challenges. When electronics/equipment is damaged by water, time is the enemy. It was critical to complete emergency corrosion control quickly. With a full-line electronics/equipment division at the ready, a crew of 8 electronics/equipment specialists was quickly dispatched to the loss site to begin emergency services. Because this production facility was located in a small town, accessing supplies locally was also a challenge. But again, ATI's extensive resources, all of the specialty cleaning and restoration supplies and equipment were quickly transported to the site without delay. Thanks to a fully staffed electronics/equipment division, technical expertise and readily available resources, ATI completed all cleaning and restoration work on this facility's production equipment in just seven weeks after the initial loss.

BEFORE

AFTER