Removal of failing alkyd enamel paint in a robotics manufacturing plant

**Problem:** Approximately 2300m² (25,000 ft²) of a failing alkyd enamel coating, 250 to 300 microns (10-12 mils) thick, needed removal from metal decking, ceiling, and support structures in a Detroit robotics manufacturing plant. The presence of sensitive robotic machinery, electronic circuits and electrical conduit required a dry, low dust, low rebound surface preparation technology. The contractor, a surface preparation and painting company specializing in automotive manufacturing facilities, was hired to remove the peeling alkyd coating without risking damage to the robotic machinery.

**Solution:** Using Sponge-Jet's Sponge Blasting System™, the contractor was able to blast close to robotic manufacturing equipment. The low dust process efficiently removed the enamel coating without high cost containment structures. The contractor enjoyed 100% satisfaction from the facility supervisor, and looked forward to a continuing relationship.

**Goals:**
- Cost competitive
- Dry process
- Low dust process
- Minimal collateral damage
- Reduced containment costs

**Alternatives considered:**
- Hand tooling
- High pressure water
- CO₂ pellet blasting

**Contractor's choice:**
Sponge-Jet's Sponge Blasting System™
Silver Sponge Media™

**PRODUCT APPLICATIONS**
Heavy abrasion, industrial coatings removal

**PROFILE**
75micron (3mil)

**ABRASIVES**
Aluminum Oxide

**CLEANING RATE**
6-17m²/hr(1-3ft²/min)

**AVERAGE RECYCLES**
5-7

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