

Application Snapshot

Industry – Concrete precast plant

The Problem

The manufacturing of precast concrete pipes – is a tough yet exacting process. The pipes need to be strong, and yet with tight tolerances to be able to fit and laid quickly and easily.

The concrete casting process has concrete, sand and line dust that is both airborne and on the ground. Cleaning this up – from both a health, safety and cost control point of view is CRITICAL.

The Solution

The concrete precast yard is a TOUGH environment. Best coverage comes with a Hako PowerBoss 9X LPG Sweeper with the MERV filtration system, and the Hako DUST STOP brush system.

With the site already running LPG forklifts not needing a separate fuel source allowed for a smooth roll out.

The MERV filter systems:

- Stage 1 Vacuumized main broom chamber.
- Stage 2 Perma Pre-Filter
- Stage 3 (pleated filter) 95% to 98% efficient from 2.0 – 5.0 micron
- Stage 4 Aggressive filter vibration system
- Stage 5 (HEPA) 95% to 99% efficient from .30 – 1 micron

This is designed to allow best practice Dry Sweeping with the aim at controlling the exposure to Silica dust.

Previous attempts at this dust control have been lackluster.

The Benefits

- Large yet manoeuvrable to cover the large factory and hardstand areas – without manual sweeping.
- Reduction of health issues – with the ability to control the Silica dust created during the concrete production process.
- Durable machines that work well in the harsh concrete production environment.



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The Hako logo is displayed in a bold, red, italicized sans-serif font.