

CASE STUDY

ABRASIVE BLASTING



WORLD LEADER IN AGRICULTURE SPRAYING TECHNOLOGY GROWS WITH FARR GOLD SERIES®

PRODUCT

Product	Farr Gold Series® Dust Collector
Model	Two GS6s & GS10
Air Flow	6,000 cfm & 10,000 cfm
Application	Abrasive Blasting
Customer	Hardi Australia
Install Date	July 2014

ABSS installed a ►
blast room along with
a recovery system and
three Farr Gold Series.

CHALLENGE

Established by gardener Hartvig Jensen in 1957, Hardi is a world leader in industry, consumer and agriculture spraying technology. Hardi sells to more than 120 different countries and a worldwide staff of approximately 1,050 people. With 15,000 square meters of modern development, manufacturing and distribution facilities, Hardi's South Australian Facility needed a renovation that included a new Abrasive Blasting Service and Supplies (ABSS) blast room as well as three Farr Gold Series dust collectors.

"After 18 years of manufacturing at our South Australian Facility, an upgrade was due partly to meet current industry standards and requirements," Steve Redshaw of Hardi Australia said. "This included a new ABSS blast room. ABSS offered a Camfil [APC] solution with their blast cleaning package."

Hardi works with five other global development centers to bring together the best spraying technologies for not only Australian farmers, but farmers all around the world. Hardi offers spray equipment including self-propelled, trailed broad acre, linkage, mist-blower and air blast sprayers.



▲ There is a GS10 on the blast booth, one GS6 on the blast booth recovery system and the second GS6 on the separate turbine blast machine nearby.

CHALLENGE (CONTINUED)

"[The dust type produced is] steel dust from the steel shot and steel grit as well as what is being removed from the substrate such as mill scale rust," Redshaw said. "The dust is created in our ABSS abrasive blasting room and ABSS turbine shot blast cabinet. Using steel shot and steel grit, we blast clean our components in preparation for the powder coating process."

ABSS describes steel grit as sharp cutting, angular particles that clean by cutting and etching into the surface. Steel shot is spherical in shape and typically used for shot peening, which relieves the stresses associated with Metal Fabrication and Fatigue.

David Higgins, general manager of Camfil APC International in Australia worked with ABSS in the process of installing the Farr Gold Series.

"Previously [Hardi] did not have a dust collector installed on their previous booth," Higgins said. "There was a lot of downtime trying to sweep shot and grit to clean the old booth."

SOLUTION

Jon Sweet of ABSS Pty Ltd. also worked with Hardi to develop a unit that would fit well in the facility as well as create ease when changing filters.

"We were convinced the ease of replacing filter cartridges would be beneficial to us as well as the construction of the [Farr Gold Series dust] collector itself," Redshaw said. "It was left in the hands of ABSS to come up with the best solution for our needs now and into the future."

Three units were installed at Hardi, a GS10 and two GS6s. The GS10 is ducted to the back wall to collect airborne dust; whereas, the two GS6s are ducted to the blast booth and a recovery system. The recovery system reclaims air before excess blasting is reused.

"The GS10 is on the blast booth, one GS6 is on the blast booth recovery system and the second GS6 is on the separate turbine blast machine nearby," Higgins said.

Since installation, the HemiPleat filters in Hardi's Farr Gold Series units have not needed to be replaced. Overall, Redshaw said Hardi's experience with Camfil APC has been so positive that the company would recommend a Farr Gold Series to other businesses.

"[Hardi's favorite thing about the Farr Gold Series] is the ease of maintenance and downtime," Higgins said. "Hardi loves everything about the Farr Gold Series."



▲ The ABSS Spinner Hanger machine includes high throughput with optimum blast coverage.

For more information regarding this application, contact Camfil APC Australia at +612-9648-5800.

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