



Location:	Mitsubishi Electric Power Products Warrendale, PA
Application:	Daily use of Advance Adgressor™ rider scrubber for cleaning 40,000-square-foot warehouse containing sensitive electronics.
Purpose:	To control dust, dirt and sand from constant forklift traffic; prevent product contamination; keep floors clean and attractive for visitors.
Primary Choice Factors:	Higher productivity than previous walk-behind scrubber; superior cleaning performance; ease of operation and maintenance; low water/detergent usage; good value.

Mitsubishi Electric Power Products Keeps Clean With Advance Adgressor™ Scrubber

WARRENDALE, PA – Mitsubishi Electric Power Products manufactures high-voltage circuit breakers for the utility industry at its facilities in Warrendale, PA, about 30 miles north of Pittsburgh. Prior to shipping products to utility customers, the parts for these circuit breakers are stored in a new 40,000-square-foot warehouse facility about four miles from the manufacturing site.

"We have a lot of forklifts that are constantly going outside to bring things into the warehouse, and they bring in a lot of ordinary dirt, sand and dust that the wheels pick up from the parking lot," says Rich Bender, Mitsubishi Electric Power's Facilities Superintendent. "This constant traffic presents a problem because electronic parts are very sensitive to dirt and dust. However, if we control the storage environment from the beginning, the product going out the door will meet specifications."

Recently, Mitsubishi Electric Power purchased a new Advance Adgressor 3220 C rider scrubber to help keep the warehouse free from dirt and dust that could potentially contaminate the circuit breakers. As one of the newest rider scrubbers from

"We recommended the Adgressor rider scrubber because we felt that, in the long run, the company would get better performance and save money through reduced labor."

Advance, the Adgressor rider scrubber has boosted cleaning productivity in the large warehouse – in addition to winning the praise of its operator, according to Bender.

Cutting cleaning time

When the facility first opened, the company was using a smaller Advance walk-behind scrubber, but it took too many hours each day for one operator to complete the floor-

cleaning routine. Mitsubishi Electric Power contacted its local Advance dealer, Bortek Industries, for an evaluation.

Jeff Mayer, Vice President of Western Regional Sales for Bortek Industries, determined that the warehouse was too large to be efficiently cleaned each day with its existing walk-behind scrubber.

"While a walk-behind scrubber for this facility might have been adequate, Mitsubishi Electric Power's primary concern was time and efficiency," says Mayer. "We therefore recommended the Adgressor rider scrubber because we felt that, in the long run, the company would get better performance and save money through reduced labor."

Product trial was key

Mayer pointed out that the Adgressor rider scrubber's operator-friendly design included a One Touch™ control panel for all scrub functions, a comfortable full-size

operator compartment with clear sight lines and an adjustable steering column that tilted upright for easy boarding. Standard safety features included a mechanical safety brake and parking brake, plus metal bumpers, a variable volume horn and backup alarm and adjustable scrub deck side skirts to prevent splashing. Bortek Industries provided operator training and encouraged the company to use the Adgressor rider scrubber for a week on a trial basis to see if it would deliver better cleaning in less time.

"After the trial period, our warehouse supervisor recommended that we purchase the Adgressor rider scrubber and I agreed," says Bender. "We looked at the improved productivity and the value for the dollar. Naturally, you spend more for a riding scrubber than for the walk-behinds, but in addition to the productivity, it's also an employee fatigue and morale issue."

Keeping it clean for customers

Another big reason to keep the facility clean is for customers. "We get visits from customers just about every week, and we really pride ourselves on cleanliness," says Bender.



Upgrading from a walk-behind scrubber to a rider scrubber cut the facilities cleaning time and reduced labor costs.

The floors in the warehouse are clear-sealed concrete, and aisles between the storage shelves average about eight feet wide, which can be cleaned in just three passes of the Adgressor rider scrubber 3220 C with its 32-inch cleaning path. The machine features cylindrical scrubbing brushes and 30-gallon solution and wastewater tanks that help to maximize cleaning time and minimize disposal time. And, with only a 63-inch turning radius, the Adgressor rider scrubber can easily

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turn around within its own length in dead-end aisles. The company ordered the Adgressor rider scrubber with the optional vacuum wand attachment to aid the operator in picking up larger pieces of debris or dirt found in tight corners.

Easy on the environment

One of the features of the new Adgressor rider scrubber is its low use of water and detergents while still delivering superior cleaning. This feature provides an important benefit for Mitsubishi Electric Power, which has a policy of minimizing liquid waste disposal in the township where the warehouse is located.

Bender says the Adgressor rider scrubber's simple operation is a plus. "To me, it's a safe machine – which is another thing that



The Adgressor rider scrubber helps eliminate dust and dirt in the facility, which can contaminate the electronic parts stored in the warehouse.

we looked at. We didn't want anybody to get hurt. All things considered, the Adgressor rider scrubber seems to be the best solution for our application," Bender concludes.

Advance brand floor-care equipment is manufactured by Nilfisk-Advance, Inc., a leading designer of both ride-on and walk-behind sweepers, scrubbers, combination sweeper-scrubbers and commercial vacuum cleaners. For more information about the new Adgressor rider scrubber, or to find your local Advance dealer call 800-214-7700.



Advance
by Nilfisk-Advance

USA

14600 21st Avenue North
Plymouth, MN 55447-3408
Phone: 800-214-7700
Fax: 763-745-3821

Canada

396 Watline Avenue
Mississauga, Ontario L4Z 1X2
Phone: 800-668-8400
Fax: 800-263-5111