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Waste Handling Equipment News

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Serving

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ConExpo - ConAgg Show Issue
March 15 - 19, Las Vegas

C & D Recycling
Asphalt & Concrete Recycling

Tim Stasik is a Project Manager with Allied Erecting and Dismantling, Youngstown, OH. He is on-site in Lorain, OH with an Allied-Gator® MT™ Series Multi-Tool.

Allied Erecting and Dismantling Specializes in the Deconstruction of Heavy Industrial Facilities

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man to supervisor and eventually project manager.

"As it stands, this is a medium-sized job that should take about nine months to complete," said Mr. Stasik, as he recalled another project in the history of the industry where the dismantling of a steel mill was so considerable that the undertaking required seven years worth of intensive work.

Presently, Mr. Stasik faces a structure which is almost 200 feet wide and eighty feet tall. Part of the structure stands six feet away from a natural gas main that is suspended and twelve feet away from a high-voltage power line. Next, systematic deconstruction will begin on even larger areas of the mill.

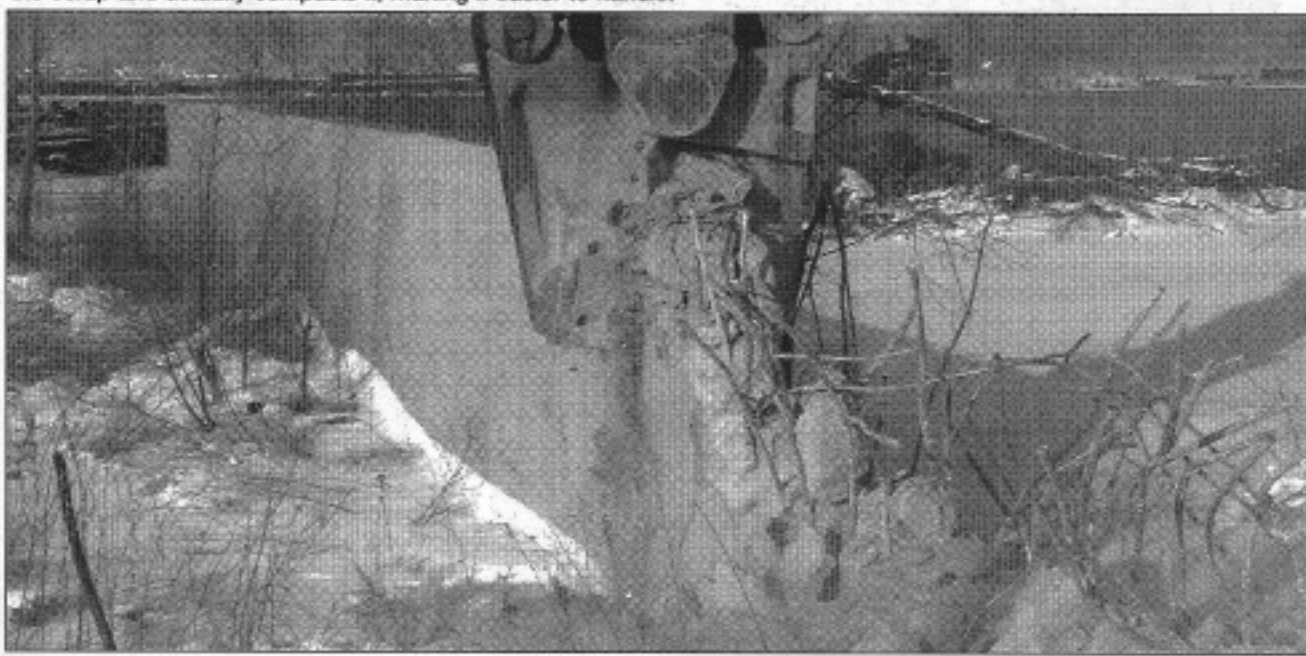
Keeping this job in full swing requires that Mr. Stasik direct the activities of fifteen laborers and operators. This team, assembled by Allied Erecting and Dismantling, is using a Komatsu 400 equipped with Allied-Gator's MT™70 for shearing steel and crushing and pulverizing concrete and a CAT 325 with a hammer. An IT28 rubber tire loader equipped with an Allied-Gator Claw Bucket transports scrap roughly two by two by five feet in size, most of which will be shipped by rail cars to be recycled into new steel products. As for the concrete, that will be pulverized into pieces three inches or less in size and used for on-site fill at various locations around the project.

Other handling implements include a Komatsu 200 equipped with an Allied-Gator Grapple for the sorting of rubber, pipe, copper, wire, structural steel, and electrical motors. A magnet for loading, unloading, and sorting scrap metal, and a 307 Cat excavator for working in tight spots, give an understanding of the variety of job tasks incorporated into this type of project.

For the most part, however, whenever they are on the job, all Allied Erecting and Dismantling has to contend with is the usual run-of-the-mill (no pun intended) materials that will be found when dismantling. Whether it's a giant furnace, overhead crane, gantry, oven, smokestack, bridge, conveyor, assorted outbuildings, main plants or other structures, this experienced and professional team continues to tackle and complete some of the largest and most demanding industrial dismantling projects in the country. That's a long way to come from the days when a father and son saw a need, had a vision and applied their skill. For more information on Allied Erecting & Dismantling, go online at www.aed.cc



The Allied-Gator Claw Bucket is used to safely handle scrap where a normal bucket could not. The Claw Bucket closes on the scrap and actually compacts it, making it easier to handle.



The Allied-Gator Crusher is removing a surrounding barrier wall around the seamless pipe mill rotary furnace.

Allied-Gator®'s MT™ Series Multi-Tool is Modular by Design

by Thomas Franza

Tools are those instruments designed to not only facilitate but to enhance the productivity of the individuals who are using them, whether it be to assemble, probe, or dismantle. For a surgeon, it might be the scalpel used to remove an unwanted growth; for a carpenter, a pry bar and the back end of a claw hammer; and for a mechanic, a set of socket wrenches employed to disassemble a balky engine. But what of those who are left to deal with situations which are considerably larger in nature? What of buildings, foundries, mills, and plants whose viable life span has ceased and have to be dismantled, either because they pose a health and safety hazard, or to make way for new construction? Where do they turn for their specific needs?

For those in the field of dismantling, the answer has been in tools which have been conceived and designed by Allied-Gator®, of Youngstown, Ohio. Today, Allied-Gator manufactures the MT™ Series Multi-Tool, offering a selection of eleven different sizes with interchangeable jaw sets and the versatility of performing the shearing of structural steel, and other ferrous and non-ferrous metals or the cracking and crushing applications needed for concrete and rock. Ranging in size from the MT5 designed to be attached to 5,000 lb excavators and larger to the massive MT180 built for those excavators of 180,000 pounds and larger, it is the versatility of these tools which is truly outstanding.

Modular by design, these units can be mounted as

second and even third member units and in either fully rotational or non-rotational configurations. Because each work task brings its own unique set of circumstances and challenges, Allied-Gator designs their products to be versatile and enable multiple configurations. In one case, rotating will be the correct choice for maximum productivity, while in another instance the opportunity to mount a larger size non-rotating tool on the same excavator might provide the optimum solution. It is this versatility that allows the customer to make the ultimate choice, as he works to dismantle and shear an unwanted structure or piece of large equipment without encroaching on its surrounding utilities or supports.

But, as with all of the tools which Allied-Gator manufactures, there is much more than what at first meets the eye. The key element of this tool's efficiency lies in its pin-on interchangeable jaw set. While each tool comes with its own universal body as standard equipment, it is the ease with which each unit can accept multiple jaw heads that sets it apart. A jaw set specifically designed to shear and process scrap metals can be quickly removed and switched for one designed to crush rock and concrete. The power unit remains; only the jaws are changed and those in a matter of minutes through the removal and reinsertion of a few pins.

Allied-Gator believes in overbuilding. The material used in the construction of the MT Series Multi-tool is a cast high-alloy steel different from any other tool in production. On top of this, the tools are designed

using an advanced computer software program, eliminating any waste in the design and allowing for the beefing up of those areas that will be subjected to the greatest stresses.

"Allied-Gator's new tools are the solution to the productivity and efficiency barriers formed by other attachments. Our tools prove themselves to our customers every day in the field. They are extremely pleased with the power, versatility and improved production level our tools bring their operations," said Michael Ramon, a sales and marketing representative for Allied-Gator.

The MT Series Multi-Tool is only one of the many innovative products offered by the Allied-Gator team. The Allied-Gator Claw Bucket and the AG Grapple are also available to the demolition and scrap recycling industries. These two products give customers the ability to handle and transport scrap, dirt, wire, and cable and to safely deal with those loads which could not be handled otherwise. And just as with their other equipment, versatility is the key. Because of its unique closure stage, once these implements have been clamped shut, they cannot be pried open, allowing more than enough strength to withstand the full tractive force of the machine. As an added benefit, every Allied-Gator product is designed to outlast the productive life of their carriers.

For more on Allied-Gator and the tools they create, visit their website at www.alliedgator.com