



## American tire recycling systems need upgrading!

*Competition is tough among scrap tire recyclers in North America. If you want to continue to stay ahead of your competition, you need to take your recycling facility to the next level.*

### Tire recycling in North America

Many tire recycling facilities in North America have been up and running for a long time – some of them for close to 25 years. Their customers have become more selective regarding the quality of their rubber and steel fractions. It is an important time to see if their existing tire recycling systems can be optimized to suit modern customers.

### Taking tire recycling to the next level

Eldan Recycling has sold tire recycling equipment in North America for more than 25 years. The modular solutions can process all kinds of tires, including mining tires, OTR tires, truck and passenger car tires, into shreds, chips, granulate, powder, steel and textiles. Having completed more than 1,000 installations worldwide, Eldan is confident enough to say that we guarantee that the agreed-upon capacity and material quality will be reached.

Few know that a majority of American tire recyclers use equipment from Eldan. Bjørn Laursen, product manager for tire recycling solutions at Eldan, comments: “The North American market has differed from the rest of the world. While it globally is more common to acquire complete recycling solutions from one equipment supplier, the customers here puzzle together their own solutions using suitable equipment from different manufacturers. Recently, we have noticed an increased number of requests for different upgrade solutions for tire recycling systems.”

Carsten Nielsen, area sales manager at Eldan, agrees with Laursen. “Up until now, recyclers have relied on the fact that their systems contained the best machines on the market. Now, many tire recyclers notice increased pressure from their customers to either lower prices or to supply a fraction quality worth paying extra for. We can assist in pin-pointing things that can

be changed or improved. I, for example, visited one customer located in the Lake Michigan area who has been up and running with his system for 10 years, still very content with production and end product. I convinced him to let me take a look at the system to see if any improvements could be made. By adding smaller components and making smaller adjustments, the capacity of the system was increased by 5 to 10 percent. Working in one shift, he will earn back his ‘upgrading’ investment in approximately one month; larger upgrades of course takes a little longer,” says Nielsen.

### What needs to be done?

A capacity increase is only one of many options to upgrade production. Many customers want to upgrade their rubber and steel fractions. The steel fraction of a standard tire recycling system still contains a portion of rubber and textiles. By adding a steel upgrading system, the rubber and textile content in the steel fraction can be reduced down to 1 or 2 percent (98 to 99 percent clean steel wire). This is a very attractive material for steel works. After an upgrade, the rubber fraction can be turned into “black gold,” which is approximately 99.99 percent free of stones, metals, glass and other impurities.

There is greater interest in processing larger tires, such as those from the mining industry, as well. By precutting the tires, they can be processed in a large tire recycling system, producing the same output as if processing truck tires.

By adding an Eldan Super Chopper and Disc Screen to their production lines, shreds can be produced at a low cost. By adding an Eldan Multi-Purpose Rasper, steel-free tire chips can be produced – a very popular product globally.

These are merely a few of the ways in which Eldan can assist you in taking your tire recycling system to the next level. Contact us today!



Design, manufacture and stall complete systems and single machines for profitable recycling.  
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