

**PROBLEM****All Rejected and Overrun Plastic Parts**

In February 1993, the plastics operation of **Navistar International Transportation Corporation in Columbus, Ohio**, installed a 4,000-ton press to mold 127-pound hulls and 65-pound decks for the Yamaha Wave runner water recreation vehicle. The facility has 14 large tonnage SMC presses used to manufacture not only the hulls and decks but a complete array of truck, auto and custom molded parts. All rejected and overrun parts were being sent to the landfill.

The Navistar engineering team was challenged to accomplish three major goals. First, due to a corporate-wide dedication to quality, they had to destroy any out of spec product. Second, because of the rapid increase in landfill costs, they had to increase their container weights and decrease transportation and hauling costs by size reduction. Third, the team was to find an outlet to recycle the product, thus eliminating it from the waste stream.

**SOLUTION****BloApCo's Custom Engineered Shredder**

After months of investigation and research, the Navistar engineering team found an outlet for the material to be recycled. Now the problem of size reduction was at hand. Because of the mammoth size of some of the truck parts, measuring up to 95.44" x 54.88" x 43", the task at hand was a difficult one. After months of visits to see several shredder manufacturers and running numerous shred tests, the Navistar team determined that BloApCo had the best system design capabilities of anyone. It

was not only the special features of the BloApCo "**Pierce-and-Tear**" concept, i.e., low horsepower requirements, minimal maintenance required and the unit's operating under 80 dBA, but the fact that the BloApCo shredders all are custom-engineered to adapt to each customer's specific needs.

After several more shred tests and system design meetings, Navistar purchased and installed the BloApCo shredder. Today, the shredder readily shreds all of their molded products without the assistance of any pre-crushing devices. The operators simply place the products to be shredded on the infeed conveyor of the shredder. The shredded pieces automatically are deposited into a compactor, compacted into a 40 cu. yd. block, then sent out to a secondary market to be recycled. Today, Navistar personnel will tell you that the purchase of the BloApCo shredder is the best decision that they made. Another illustration of BloApCo teaming up with the customer to provide solutions that work.



**Navistar International Transportation Corporation in Columbus, Ohio**