Moroso Performance Products was the first to manufacture racing oil pans with deep and kicked-out sumps, solving the lubrication problems of racers. The following details the manufacture of a Pro Eliminator Oil Pan. While automated machinery is used to make individual components, **Moroso Oil Pans are precision welded, one at a time, by skilled craftsmen.**

The turret punch press machine is where Moroso’s precision manufacturing process begins. Reference holes become precision cuts resulting in a sheet of pre-cut aluminum components. Once a design is entered into the machine’s computerized interface, the exacting tolerances of the original pan can be repeated endlessly. **Inset:** Individual pieces are detached manually in preparation for assembly.

Billet aluminum end caps are milled on Moroso’s bank of CNC machines. They are then computer checked for dimensional accuracy before transfer to manufacturing. Here, a Quality Control Tech uses computerized digital probes to perform a battery of tests on a CMM machine, a staple in the aerospace industry. Another computer driven sheet metal brake makes the prescribed bends and angles for various component pieces.

Skilled craftsmen precision-make each Moroso Oil Pans which could not be mass produced with the same degree of accuracy and workmanship. **Pro Eliminator Oil Pan (Part No. 20385)** uses several welded bungs for its various attaching points. It also features a billet rail for optimum sealing. The fixture utilizes one-inch thick plate to absorb heat and ensure proper alignment, while preventing warpage.

Oil pan foundation after one billet end rail has been welded into place. Moroso’s efficient manufacturing processes ensure that each part is made to close tolerances, which means the actual welded seam is minimal. **Inset:** Moroso pioneered the deep and kick-out sump oil pan; here, the deepest section of the pan begins to take shape.

With all surfaces carefully welded, the completed pan is fitment checked on a real engine block. Moroso performs high-pressure leak tests on all machined Oil Pans.

**Inset:** Moroso pioneered the deep and kick-out sump oil pan; here, the deepest section of the pan begins to take shape.

Shown here are the individual components, along with a completed **Pro Eliminator Oil Pan (Part No. 20385)** for Big-Block Chevy-powered Super Class cars, Bracket cars, and Comp Eliminator racers. One of our more popular wet-sump Mark IV Big-Block Chevy offerings, this pan gives racers eight-to-nine quart capacity and will accommodate up to 4-3/4” stroke with aluminum rods.