Molding

Irwin Enterprises' molding department is quality driven. We are capable of molding parts with extremely tight tolerances and dimensional requirements. Customer part quantities range from a few hundred to millions on presses ranging from 60 tons to 400 tons. We run a wide range of thermoplastic materials, with a specialized area of engineering grade and filled materials. Examples of some of the material we use are ABS, Acetal, Polypropylene, Polystyrene, Nylon, Polycarbonate, and PVC. Many additives are also used such as custom colorant, fiberglass, UV stabilizers, and flame retardants.

Mold maintenance and repairs are completed with the same quality techniques that are applied in building a new tool. Molds are routinely cleaned and serviced to maintain high part quality. With our tool room in the same building, we have shorter down times and quicker turn around with the same high-quality mold guarantee.

Molding Equipment

| Press | Make | Tonnage Size | Shot Size |
|-------|----------|-----------------|--------------|
| 1 | Reed | 300 Ton | 20 oz |
| 2 | ТМС | 120 Ton | 7.375 oz |
| 3 | ТМС | 220 Ton | 19.25 oz |
| 4 | Fortune | 180 Ton | 12oz |
| 5 | Van Dorn | 150 Ton | 8 oz |
| 6 | Fortune | 250 Ton | 19oz |
| 7 | Fortune | 130 Ton | 8oz |
| 8 | Van Dorn | 400 Ton | 48 oz |
| 9 | Reed | 250 Ton | 20 oz |
| 10 | ТМС | 150 Ton | 9.250 oz |
| 11 | Fortune | 100 Ton | 4.5oz |
| 12 | Van Dorn | 75 Ton | 3 oz |
| 13 | Fortune | 180 Ton | 14oz |
| 14 | ТМС | 60 Ton | 3 oz |
| 15 | Reed | 100 Ton | 6 oz |
| 16 | Fortune | 130 Ton | 8 oz |

