



## Innovative Solutions Update Gas Assist

### Finished Product

Parts manufactured using gas assist produce lighter weight parts. This gives 2 distinct advantages:

1. Parts are stronger due to flexibility
2. More cost competitive, less material

Other benefits include shorter cycle time, reduce sink marks, opens up more design options, can eliminate hot runners, extends mold life due to low injection pressure, reduces flash, and numerous other advantages.

### Tooling

-Gas Assist can be accomplished through the mold using gas channels or through the nozzle.

-Lower injection pressures can be attained; aluminum molds may be utilized. These can be machined easier, giving quicker product to market time

### Material

- Glass filled nylon
- Glass filled ABS
- Clear polycarbonate
- Glass filled polycarbonate
- Carbon filled polycarbonate

### Company Highlights

ECP has 42 molding machines:

- 25 under 400 Tons
- 10 between 400-720 Tons
- 3 between 950-1500 Tons
- 4 between 1800-2200 Tons

ECP employees 175 people, utilizing 244,000 square feet of manufacturing space and 67,000 square feet of warehouse space. We complete our turnkey operations with design engineering and a dedicated trucking fleet.

**For more information please visit:  
[www.ecpsc.com](http://www.ecpsc.com)**