

Plastics Design & Manufacturing CNC Machining Capabilities

CNC Machines

- 5-Axis CNCs: 4 - Motion master Twin Table 5'x10'
- 3-Axis CNCs: 6 - Fadal 4020 CNC Milling Centers 20"x40" & 30" x 60"
- 1 Haas CNC Lathe 1 ½"
- Standard mills

Machined Tolerances:

- From tool surface feature to machine surface; +/- .015" up to 12.00 inches, plus an additional +/- .0005" for each inch thereafter.
- From machined surface to machined surface +/- .010" up to 12.00 inches, plus an additional +/- .0005" for each inch thereafter.
- Close Tolerance Dimensions less than +/- .010" may be achieved with upgraded tooling and fixtures

Materials Used:

- Fire Retardant ABS
- Standard ABS
- FR Blended Alloys
- Polycarbonate (Lexan)
- PTFE (Teflon)
- Nylon
- Engineering Grade Alloys
- Acrylic
- PETG
- HDPE
- Rigid PVC
- Acetel
- UHMW Polyethelene
- Phenolics
- ULTEM

CAD Data/File Transfer:

PDM can receive data electronically through email (compressed zip folder) or FTP transfer. *When e-mailing a large file or group of files, please use zip compression readable by winzip or pkzip.*

Software used:

- Solidworks - slddrw, sldprt, sldasm
- Mastercam
- .iges, parasolids, .step
- Adobe acrobat - pdf

