



MICHOUD

ASSEMBLY FACILITY

Machine Shops

Nearly 40,000 SF of machine tools
dedicated to machining all shapes
and sizes of aluminum, steel
and composite structures.
Considered a shared resource
for use by MAF tenants on
an as-needed basis.



- MAF machine shops includes equipment such as:
 - Lathes (small, medium, large, vertical, CNC)
 - Mills (small, medium, large, large CNC),
 - Grinders, Saws, and a full complement of sheet metal forming tools (sanders, shears, presses, rollers)
- Computer Numerically Controlled (CNC) Equipment
- Computer-Aided Design (CAD) / Computer-Aided Manufacturing (CAM) capability
- Easily accessible and ready-to-use at a fraction of the cost to purchase
- Five (5) ton bridge crane coverage with 32 ft hook height

Type of Equipment	Maximum Capability
Shears	12' W 3/8" thick ferrous metals
Bend Presses	22' bend L 625 ton
Shears	12' W 3/8" thick ferrous metals
Plate Rollers	21' L 3" thick stock
Flat Stock and Round Pipe Roller	Round Stock = 2.5" Dia Flat Stock = 3.5" W 2.5" thick stock
Lathes (Both CNC and Manual)	16" swing (ability to turn 32" Dia) 25' L
Vertical Turning Lathes	6' Dia x 6' H (with contouring capability)
4-Axis Mill	47" x 47" x 35" XYZ 360 degree full contouring capability
Surface Grinder	2' W x 2' H x 12' L
Precision Boring	W x 96" H x 12' L 30" bore depth possible
Horizontal Boring/Mill Center	10' W x 96" H x 12' L 30" bore depth possible
Horizontal Boring/Mill Center Various Small Scale Manual High Precision Turning/Boring/Milling Machines	Small scale manufacture requirements

National Aeronautics and Space Administration

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