

FRUSTRATED BY YOUR SUPPLY CHAIN? WISH YOU HAD AN IN-HOUSE MACHINE SHOP?

CNC PRODUCTION PARTS WITH THE RELIABILITY AND TRANSPARENCY OF A CAPTIVE SHOP
WITHOUT THE HEADACHE OR COST OF MANAGING ONE.



AEROSPACE

- Precision Machined Components
- Casting & Extrusion Machining
- Providers of PMA Components
- AS9100 Certified

DEFENSE

- Crew-Served Weapons Systems, Components & Assemblies
- Serving Multiple Tier I OEM's
- Current Tier I DOD Supplier

ENERGY

- Alloy Steel Machining components
- Machining for Downhole Applications
- Forging Machining for Drilling Applications

CAGE CODE 98454
NAICS 332710
SIC CODE 3599



WORKING WITH BOWDEN IS LIKE HAVING AN OFFICE IN OUR SHOP

What if you could get all of the benefits of having an in-house cnc production shop, but without the cost, hassle, and management nightmare? With Bowden Manufacturing, you get the capacity, the engineering horsepower, and the transparency you need. When you talk to us, it's like talking to your own shop foreman.



- All processes and timelines are agreed upon so that clear expectations are established prior to the project beginning.
- An internal advocate, called a Customer Champion, is appointed to oversee your entire project.
- We send weekly emails that keep you up-to-date on every step of Your projects progress and expected ship-dates.

**Our goal is to give you control over the process,
without the burden that comes with having to do it on your own.**

PRICING TRANSPARENCY

- Candid, two-way discussions regarding processes and materials.
- Reduce uncertainty in your costing process.
- Unlock the mystery of what Competitive Pricing really means!
- New World. New Rules.

HORIZONTAL MILLS

| Machine | X-Axis Travel | Y-Axis Travel | Z-Axis Travel |
|--------------------|---------------|---------------|---------------|
| Mori Seiki SH-630 | 33.1" | 33.8" | 33.1" |
| Mori Seiki NH-5000 | 24.8" | 23.6" | 25.6" |
| Tongtai | 20 | 20 | 20 |
| Tongtai | 20 | 20 | 20 |

VERTICAL MILLS

| Machine | X-Axis Travel | Y-Axis Travel | Z-Axis Travel |
|------------------------|---------------|---------------|---------------|
| Haas VF7 | 82" | 32" | 30" |
| Haas VF3 | 40" | 20" | 25" |
| Haas VF-4 | 50" | 20" | 25" |
| Haas VF3 | 40" | 20" | 25" |
| Haas VF3 | 40" | 20" | 25" |
| Haas VF3 | 40" | 20" | 25" |
| Mori Seiki SV-50 | 31.5" | 20.1" | 20.1" |
| Haas VF2 | 30" | 16" | 20" |
| Haas VFOE#4 | 30" | 16" | 20" |
| Haas VF 2 | 30" | 16" | 20" |
| Haas VFOE#3 | 30" | 16" | 20" |
| Haas VFOE#1 | 30" | 16" | 20" |
| Haas VFOE#2 | 30" | 16" | 20" |
| Haas VFOE#4 | 30" | 16" | 20" |
| Haas V0E | 30" | 16" | 20" |
| Haas VF 0 | 20" | 16" | 20" |
| Haas super Mini mill | 16" | 12" | 10" |
| Haas Mini mill | 16" | 12" | 10" |
| Haas Mini mill | 16" | 12" | 10" |
| Haas Mini mill | 16" | 12" | 10" |
| Haas Tool Room | 30" | 12" | 16" |
| Haas VF3 | 40" | 20" | 25" |
| Haas Mini mill | 16" | 12" | 10" |
| Haas VF 2 | 30" | 16" | 20" |
| Haas Mini mill | 16" | 12" | 10" |
| Haas Tool Room | 40" | 16" | 16" |
| Haas Mini Mill 2 | 20" | 16" | 14" |
| Haas super Mini Mill 2 | 20" | 16" | 14" |
| Haas VF 2SS | 30" | 16" | 20" |
| Haas VF 2SS | 30" | 16" | 20" |
| Tongtai VTX-7 | 28 | 15.7 | 11.8 |
| Tongtai VTX-7 | 28 | 15.7 | 11.8 |
| Haas Mini Mill 2 | 20" | 16" | 14" |
| Haas Mini Mill 2 | 20" | 16" | 14" |

EDM/ROBOT

| Machine | X-Axis Travel | Y-Axis Travel | Z-Axis Travel |
|------------------------------------|---------------|---------------|---------------|
| Mitsubishi Hole Popper ED-20000M | | | |
| Accutex sp-500i | 19.7 | 11.8 | 11.8 |
| Accutex AL-560SA | 22 | 14 | 11.8 |
| CRX-10iA/L 10Kg payload 1.4M reach | | | |



EQUIPMENT LIST

QUALITY/INSPECTION

| Machine |
|------------------------------------|
| Zeiss Contura GS CMM with RDS Head |
| Vertex 311HC Microview Vision |
| Sterrett Comparator |
| Surface Roughness Tester |

LATHES

| Machine | X-Axis Travel | Y-Axis Travel | Z-Axis Travel | Chuck Size | Max Bar |
|----------------------|---------------|---------------|---------------|------------|---------|
| Mazak QT-10 | 3.75" | | 11.40" | 6.00" | 1.57" |
| Mazak QT-20 | 7.125" | | 20.125" | 8.00" | 2.00" |
| Mazak QT-200 | 7.3" | | 12.6" | 6.00" | 1.57" |
| Mazak QT-250 | 8.5" | | 20.1" | 8.00" | 2.0" |
| Mazak QTN-200 | | | | 8.00" | |
| sl 40 Haas | 17 | | 44 | 15" | 4.0" |
| sl 40 Haas | 17 | | 44 | 15" | 4.0" |
| Mazak Matrixs 250 II | 7.5" | | 20.25" | 10" | 3.0" |
| Mazak Matrixs 300 | 8.875" | | 49.125" | 10" | 3.0" |
| Haas SL-10 | 6.25" | | 14" | 6" | 1.75" |
| Haas TL-2 | 8" | | 48" | 10" | 3.0" |
| Mazak MY250 | 8.5" | | 23.75" | 8" | 2.0" |
| Haas ST15-Y | 7.9 | +/- 2.0" | 16 | 8" | 2.5 |
| Haas ST25-Y | 8.4 | +/- 2.0" | 22.5 | 10" | 3 |

SERVING THE AEROSPACE, DEFENSE & ENERGY INDUSTRIES



CNC MACHINED COMPONENTS & ASSEMBLIES FOR CREW-SERVED WEAPONS SYSTEMS (INCLUDING M2, MK19, M240 & M249)



BOWDEN
MANUFACTURING

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