



MOLD MAKING & MACHINING SERVICES

Roush offers a full-service machining facility with state of the industry CNC and manual machines to provide concept, prototype, and low volume production components and assemblies.

With over 40 years of expertise, Roush Machining Services has earned a reputation for leveraging speed, agility and innovation to tackling the most challenging machining projects. Our global supply chain presence, production validation methodology and rigorous quality processes ensure customer satisfaction.

www.roush.com

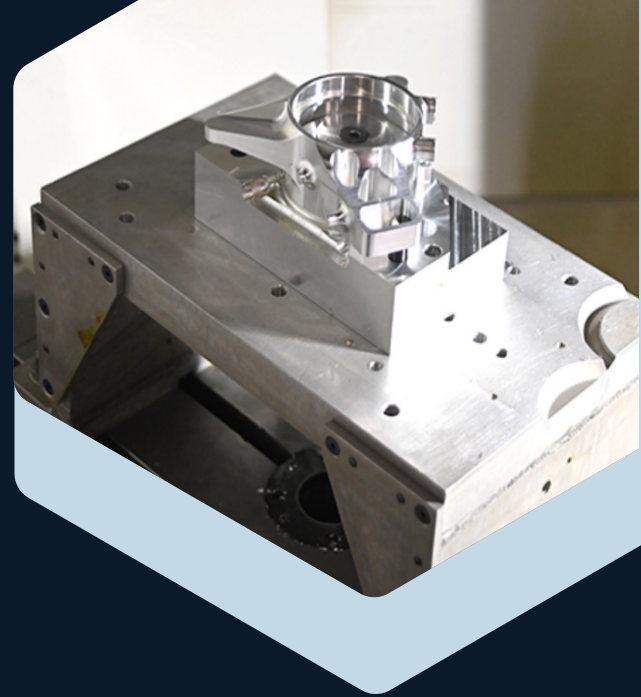
We're focused, we're efficient, and we're at our best when we're challenged to think outside the box — critical traits when our customers' success depends on how quickly we can take their visions from the sketchpad to the marketplace.

For more information, please [click here](#).



Mold Making Services

- Finishing/Assembly
- Engineering changes
- Offshore "Second Staging"
- Welding- Laser and Tig
- Preventative Maintenance
- 2D and 3D machining
- Benching
- Spotting
- EDM



3 Axis

- Parpas 3-Axis CNC Mill X=138" Y=63" Z=75"
- Parpas 3-Axis CNC Mill X=119" Y=58" Z=48"
- YCM DCV4025 High Speed CNC Mill X=158" Y=100" Z=40"
- (1) Fadal 3-Axis CNC Mills X=60" Y=30" Z=30"
- Makino 3-Axis High Speed CNC Mill X=23.5" Y=15.5" Z=15.5"
- Makino 3-Axis High Speed CNC Mill X=29" Y=19.5" Z=17.5"
- Makino 3-Axis High Speed CNC Mill X=60" Y=40" Z=31"
- Makino 3-Axis High Speed CNC Mill X=36" Y=22" Z=18"
- Roku-Roku 3-Axis High Speed CNC Mill X=24" Y=20" Z=16"
- (2) YCM 3-Axis High Speed CNC Mill X=44" Y=30" Z=27.5"
- VTEC 3-Axis High Speed CNC Mill X=55" Y=28" Z=26"

5 Axis

- Fidia 5-Axis High Speed CNC Mill X=275" Y=137" Z=98"
- Fidia 5-Axis High Speed CNC Mill X=165" Y=49" Z=55"
- Fidia 5-Axis High Speed CNC Mill X=106" Y=49" Z=40"
- Jobs 5-Axis CNC Mill X=178" Y=100" Z=62"

ROUSH®

www.roush.com

Boring Mills

- Toshiba CNC Boring Mill X=160" Y=90" Z=60"
- SNK CNC Boring Mill X=137" Y=98" Z=63"

Gun Drill

- Tarus CNC 6-Axis Deep Hole Gun Drill
X=132" Y=62" Z=84"



Horizontal Pallet Mill

- (4) Makino A81NX X=35" Y=35" Z=40"
- Mazak Nexus 8800 X=55" Y=47" Z=52"
- Niigata HN1000-S X=80" Y=65" Z=47"
- Niigata HN-80D X=60" Y=48" Z=40"

EDM

- APos 1000 EDM-Drill X=39" Y=24" Z=16"
- Charmilles Wire EDM X=48" Y=32" Z=16"
- Mitsubishi Wire EDM X=23" Y=15" Z=12"
- Mitsubishi Wire EDM X=31" Y=23" Z=20"
- Charmilles Orbital Ram X=48" Y=32" Z=20"
- Ingersoll Orbital Ram X=120" Y=66" Z=46"
- Ingersoll Eagle Orbital Ram 800 X=69" Y=50" Z=27"
- Ingersoll Eagle Orbital Ram 1200 X=43" Y=31" Z=19"

CMM

- Zeiss Spectrum 1000 X=39" Y=82" Z=23"

Misc. Equipment

- (7) Bridgeports
- (2) Hydraulic Spotting Presses 120" X 86" X 100" of Daylight
- 30 Ton Overhead Crane

ROUSH®

www.roush.com

Specializing in...

- 5 Axis Machining
- Complex Tight Tolerance Parts
- Prototype Parts
- Low-to-Mid Volume Castings
- 3D Billet Parts

Integrex 5 Axis Cube Work

- Length – 30" max
- Width – 10" max
- Height – 10" max



Lathe Work - Round Stock

- Large Round:
Length – 60" max
Diameter – 23.6" max
- Small Round:
Length – 40" max if diameter is under 2.625"

Integrex 5 Axis Lathe/Round Stock

- Large Round:
Length – 20" max Diameter – 18" max
- Small Round:
Length – 50" max Diameter – 10" max

Mill Work/ Cubical Stock

- Makino Limits:
Length – 35" max
Width – 35" max
Height – 31" max Large
- Mazak Mill Limits:
Length – 120" max
Width – 31" max
Height – 15" max

Manual Machines

- (11) 2 axis Bridgeport mills, three lathes, boring mills, surface grinders

ROUSH®

www.roush.com

CNC Machining Centers

- 1 Mazak Integrex e-420 5 axis turning/milling machine – 27 x 60
- 2 Mazak Variaxis 730-5X-II axis vertical mill w/dual pallet system – 19.7 x 19.7
- 3 Mazak HCN 5000-II 4 axis horizontal mills with 24 pallet system – 19.7 x 19.7
- 2 Mazak V-655 4 axis vertical mills – 59 x 25.5 x 25.6
- 3 Makino A81 4 axis horizontal mills with a Pallettech 20 pallet changer and storage system to minimize down time between repetitive manufacturing jobs
- 3 Makino A81 4 axis horizontal mills with dual pallet changers
- 1 Mazak Ultra 550 4 axis horizontal mill with dual pallet system – 19.7 x 19.7
- 1 Mazak AJV 3 axis vertical mill w/4th axis capability, dual pallet tables – 100 x 32 x 32
- 1 Hass VF-2 4 axis vertical mill – 30 x 16 x 20
- 1 Milltronics MB-19 3 axis vertical mill – 32 x 19 x 22.5
- 2 Mori-Seki SL-25 3 axis turning machine – 15" dia. x 20" long
- 1 Mori-Seki SL-253 3 axis turning/milling machine – 15" dia. x 19" long
- 1 Samsung SL35 horizontal lathe – 23.6" maximum swing x 60" turning length
- 1 Daewoo V400 vertical lathe – 23" dia. swing x 18" vertical travel
- 1 Mazak QT300 Turing Center

