

Cedar Rapids, Iowa

Facility Overview & Equipment List

A 47,000 square foot facility that manufactures medium to large molds and packages of molds. A wide variety of tools are produced at MSI's Iowa location, from those as small as 8x8 inches that may run in a MUD base to those that are 6x8 feet and sized for 1,500- to 6,000-ton presses.

MSI's facility is conveniently located just two miles south of the Eastern Iowa Airport.

12300 6th Street SW
Cedar Rapids, IA 52404
319.848.7001

CNC MILLS

Qty	Item	Details	Qty	Item	Details
2	FPT Dino High Speed 5-Axis Bridge Style Milling machine	<ul style="list-style-type: none"> • X axis: 110" • Y axis: 86" • Z axis: 40" 	1	OKK VM 7 III Vertical Machining Center	<ul style="list-style-type: none"> • X axis: 60" • Y axis: 30" • Z axis: 26"
1	FPT Dino High Speed 5-Axis Gantry Style Milling machine	<ul style="list-style-type: none"> • X axis: 98" • Y axis: 86" • Z axis: 43" 	1	Johnford 4100 Bridge CNC	<ul style="list-style-type: none"> • X axis: 161" • Y axis: 90" • Z axis: 31"
1	Parpas OMV Formula Horizontal 5-Axis Gantry Style Machining Center	<ul style="list-style-type: none"> • X axis: 256" • Y axis: 142" • Z axis: 63" 	1	OOYA 2185 CNC Machining Center	<ul style="list-style-type: none"> • Lemoine high speed machine control • X axis: 83" • Y axis: 32"
1	Unisig USC-3m Deep Hole Drilling and Machining Center with Rotary Table	<ul style="list-style-type: none"> • X axis: 122" • Y axis: 68" • Z axis: 51" • W axis: 106" 	1	Kuraki KBT-A CNC Boring Mill	<ul style="list-style-type: none"> • X axis: 118" • Y axis: 90" • Z axis: 51"
1	FPT LEM 935 Horizontal/ Vertical Machining Center with Fidia F1 Control	<ul style="list-style-type: none"> • X axis: 100" • Y axis: 80" 	1	Hass UMC-750 SS 5-Axis Verticle Mill	<ul style="list-style-type: none"> • X axis: 30" • Y axis: 20" • Z axis: 20"
1	OKK MCV-1060 Vertical Machining Center	<ul style="list-style-type: none"> • X axis: 84" • Y axis: 42" 	1	Hass VF-5 30 Horse Power High Torque with High Speed Control	<ul style="list-style-type: none"> • X axis: 50" • Y axis: 26"
1	OKK VM 7 Vertical Machining Center	<ul style="list-style-type: none"> • X axis: 60" • Y axis: 30" • Z axis: 26" 			

CNC MILLS cont'd.

Qty	Item	Details	Qty	Item	Details
1	Haas VF-3SS	<ul style="list-style-type: none"> • X axis: 40" • Y axis: 20" 	1	Haas VF-OE with Creative Controls	<ul style="list-style-type: none"> • X axis: 24" • Y axis: 16"
1	Haas VF-3 with Creative Controls	<ul style="list-style-type: none"> • X axis: 40" • Y axis: 20" 	1	Haas VF1 with Haas Nex Gen Controls	<ul style="list-style-type: none"> • X axis: 20" • Y axis: 16"
1	Roku Roku HC 658 High Speed Graphite Mill	<ul style="list-style-type: none"> • X axis: 23.6" • Y axis: 19.6" 			

GUN DRILL

Qty	Item	Details
1	Tarus CNC Gun Drill with Auxiliary Spindle	<ul style="list-style-type: none"> • X axis: 144" • Y axis: 60" • Z axis: 84"

EDM MACHINES

Qty	Item	Details	Qty	Item	Details
1	5-Axis Xermac X-80 CNC EDM	<ul style="list-style-type: none"> • X axis: 80" • Y axis: 40" • Tank size: 120"x53" • 400 amp generator • Erowa tooling 	1	5-Axis Ingersoll Eagle 1400 Gantry CNC	<ul style="list-style-type: none"> • X axis: 50" • Y axis: 93" • Tank size: 60" x 102" • 110 amp generator • 48 position tool changer • Erowa tooling
1	5-Axis Charmilles Robo Form 84 CNC EDM	<ul style="list-style-type: none"> • X axis: 30" • Y axis: 24" • Tank size: 42" x 62" • 128 amp generator • Erowa tooling 			

LATHES

Qty	Item
1	Haas ST-20 Turning Center 9" x 22"
1	Grizzly G0600 20" x 60" 3-Phase Big Bore Lathe
1	Hardinge 11" x 8" Super-Precision Lathe

MILLING MACHINES

Qty	Item	Qty	Item
1	Bridgeport #1 Vertical Mill with Digital Read-Out	2	Bridgeport Series 2 Special Vertical Mills with Digital Read-Outs

GRINDING EQUIPMENT

Qty	Item	Qty	Item
1	Nicco Hydraulic 16" x 24" Surface Grinder	1	IPSCO International Ejector Pin Grinder
2	Harig Surface Grinders 6" x 18"	1	Darex – Expandable Tool Sharpener
1	MHT Surface Grinders 6" x 18"	1	Falcon Chevalier FCG-610 Universal Tool & Cutter Grinder

DRILLS

Qty	Item	Qty	Item
1	OOYA 5' Radial Arm Drill	1	OOYA 6' Radial Arm Drill

RELATED EQUIPMENT

Qty	Item	Qty	Item
2	30-ton Overhead Bridge Cranes	1	Grob Vertical Band Saw
3	10-ton Overhead Bridge Cranes	1	W.F. Wells Horizontal Band Saw 16" x 30"
1	15-ton Overhead Bridge Crane	1	Miller Wire Welder
1	3-ton Jib Crane	1	425 Lincoln Heli-Arc Welder
1	2-ton Jib Crane	2	Miller Heli-Arc Welders
1	1/2-ton x 16' Column Mount Crane	1	18,000 lb Forklift
2	Harig Grinding Fixture	2	6,000 lb Forklifts
1	Glass Bead Blast Machine	1	Alliance ID1-Fiber Laser FSS 450w

CAD/CAM

Qty	Item	Qty	Item
6	CAD Workstations Solidworks Mold Design Seats	7	Seats of Prospector Programming Software
3	Pro E Mold Design Seats	2	Seats of Cimitron Programming Software
3	Solidworks Software Seats	6	Seats of Tebis 5-Axis Programming Software
10	Seats of Lemoine Programming Software	2	Cimnet DNC Software for NC File Distribution

SPECIAL EQUIPMENT

Qty	Item	Qty	Item
1	1000-ton Cincinnati Injection Molding Machine for Mold Sampling (174-oz)	1	50-ton Arbor Press
1	3000-ton Van Dorn Injection Molding Machine for Mold Sampling (400-oz)	1	15-ton Bushman Mold Flipper
1	Reis 200-ton Try Out Press with 2-gallon Wax Shot Capacity, Tilt Out Platens, 48" x 58" Capacity	1	30-ton Caldwell Mold Flipper

TRUCKING

Qty	Item	Qty	Item
1	Ford F550 Flatbed Truck	1	Ford F250 Super Duty