PARAGON D&E MACHINING
CAPABILITIES

PRECISION   INNOVATION   FAMILY OWNED

Machine ID/Orientation	# of axis	Weight Capacity	X-Axis	Y-Axis	Z-Axis	W-Axis
Large Horizontal Mills						
G&L FTR5000 Floor Type	3 axis	100t	472	137	49	59
G&L FTR5000 w/ Rotary	4 axis	100t	158	137	49	59
G&L RT1600 (x2) w/Rotary	4 axis	27.5t	141	122	49	137
G&L 455 Floor Type	3 axis	50t	216	96	48	30
G&L 450 Table Type	3axis	30t	216	96	48	30
Soraluce 7000	5 axis	50t	275	141	63	
High Accuracy Small Machines						
Makino A92 (x2)	4 axis	3.3t	59	49	53	
Makino A61NX	4 axis	2.8t	28	28	31	
Makino F9	3 axis	0.55t	63	31	25	
High Accuracy Vertical Mills						
Fidia GTFM (x2)	5 axis	50t	86	138	55	
Fidia GTFM	5 axis	50t	178	138	55	
Fidia Y2G Gantry (x2)	5 axis	70t	630	138	55	
Fidia K414	5 axis	50t	165	43	55	
Okuma MCR-A5CII	6 axis	72.5t	401	141	31	47
Okuma MCR A5CII	4 axis	36t	204.5	141	31	47
Okuma MCR-A5C11	4 axis	47.5t	263.5	141	31	47
Okuma MCR-S	4 axis	36t	204.5	145	31	47
Vertical Mills						
Droop & Rein Modimill (x2)	3+3 axis	13t	107	110	49	
Tarus HS 4812 (x2)	3+2 axis	15t	119	113	42	
Tarus RMXH 6012	3 axis	30t	120	110	48	
Gundrills						
Cheto IXN 3000 (x2)	7 axis	50t	118	60	54	82
Tarus	3 axis	50t	130	60	94	30
CMS	5 axis	4t	2.6	2.8	1200	
EDM						
OPS Ingersoll 2000	5 axis	50t	61	108	39	
Makino F5 (Graphite)	5 axis	n/a	35	20	18	

Values are axis travels in inches. Please inquire with your Paragon salesperson for extended part dimensional capabilities.

CALL PARAGON TO SCHEDULE A SHOP TOUR!

OTHER MACHINES

- 3000t Injection Molding Machine
- 3000t Hydraulic Press
- Dake Spotting Press (x3)
- DEA-CMM
- Zoller Tool Service Room
- Romer Arm
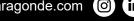- Laser & Other Welding
- Heavy Trucking Capacity

AUTOMOTIVE

NUCLEAR

AEROSPACE

AGRICULTURE

MILITARY

SUBSEA

...& MORE!

Paragon D&E

ABOUT PARAGON D&E

Located in Grand Rapids, MI; Paragon D&E is a proud certified full service tooling and machining business with design-build capabilities. Established in 1942, Paragon has proven to be a innovative leader in the advanced manufacturing industry.

Paragon is known for our capabilities from extremely large to small accurate molds, fixtures and contract machining. **Equipped to handle projects in fields of:**

- Aerospace & Defense
- Subsea
- Nuclear
- Automotive
- Heavy Truck
- Oil & Gas
- & MORE

Paragon machines and CMM inspects from composite to metal parts including Titanium and Inconel. With 70+ ton crane capacity and machines ranging from 1 ft. to 52 ft. table length, Paragon is ready to handle your unique projects.

Customer satisfaction is achieved through experienced Engineers, Machinists and Technicians focused on internal processes. Our high quality is maintained through the material and special process certification, incoming inspections, continuous monitoring, and final inspection prior to release for shipping.

Paragon Services

- Compression molding tools and tryouts
- Aerospace Tooling
- DOD (Department of Defense Machining)
- DCPD-Low Pressure RIM
- Injection molding tools and tryouts
- Contract Machining
- Aluminum and Steel Tooling
- Composite Tooling
- Hydroform Tooling
- 5-Axis Machining

- Tool Engineering and Consulting
- Shipping and Storage Containers for Nuclear Waste
- Machining of Metal Components used in Nuclear Applications
- Mold Ship
- 3D Plate Bending
- Honeycomb Core Crushing
- Low-volume production support
- Tooling Repair

PARAGON CERTIFICATIONS

- AS 9100
- ISO 9001
- CCR Registered

- ITAR Registered
- NQA-1 Supplier
- Cage Code: 3CB75
- NIST SP 800-171

EQUIPMENT & FACILITY HIGHLIGHTS

Giddings & Lewis | Soraluce

AXIS: 3,4, and 3+2
PART SIZE: Up to 52 ft.
WEIGHT CAPACITY: Up to 100t

Makino | Okuma

AXIS: 3 and 4
PART SIZE: Up to 5 ft.
WEIGHT CAPACITY: Up to 3.3t

Fidia | Okuma

AXIS: 5
PART SIZE: Up to 80 ft.
WEIGHT CAPACITY: Up to 70t

Droop | Tarus

AXIS: 5 and 6
PART SIZE: Up to 35 ft.
WEIGHT CAPACITY: Up to 30t

NEWLY INSTALLED

CHETO

AXIS: 7
PART SIZE: Up to 11 ft.
WEIGHT CAPACITY: Up to 50t

OPS Ingersol EDM

AXIS: 5
PART SIZE: Up to 8 ft.
WEIGHT CAPACITY: Up to 50t

CMS

AXIS: 5
PART SIZE: Up to 94.5" x 94.5" x 59.0"
WEIGHT CAPACITY: Up to 4t

COMING SOON!

Soraluce

AXIS: 5
PART SIZE: Up to 8' x 20' x 12'
WEIGHT CAPACITY: Up to 50t