



Advanced Manufacturing Capabilities

Global Perspective. Midwestern Manufacturing Excellence.

Facility Overview

Headquarters: Itasca, IL

- 44,000 sq. ft. - Warehouse & Office

Chippewa Falls, WI

- 123,517 sq. ft. - Manufacturing, assembly, service, test, warehouse & office

Janesville, IA

- 52,000 sq. ft. - Manufacturing, assembly, service, test, warehouse & office

R&D Capabilities

- Electromechanical system development
- Mechanical system development
- Electrical system development
- Mobility solution development (including DOT compliant systems)
- Hydraulic system development
- Electric powered system development (Electronic Pumps, Rotary Power sources, etc.)
- Supervisory Control System & Data Acquisition Development (SCADA)
- Internet of Things development (IoT)
- Electronic circuit design (110 vAC, 12 vDC, 24 vDC)
- Finite element analysis
- Drivetrain design

Testing Capabilities

- NFPA 1901 UL certification testing
- Hydrostatic pressure testing
- Vehicle leak testing
- Compressed Air Foam System (CAFS) testing & calibration
- Pump performance

Certifications & Registration

- CMMC - Level 2 C3PAO
- ISO 9001:2015 Certified Quality Management System
- Category: Small Business
- ITAR registered
- NAICS Code: 33391
- CAGE Codes:
 - 15852
 - 00299
 - 5B337
- DUNS 005094842
- TIN 36-0976610
- UEI codes:
 - TENRPZGMAGJ6
 - PW9SKKBC5E89



As a family-owned and operated privately held business serving the US DoW for over 100 years, Darley operates with a global perspective from its headquarters in Illinois, and from Wisconsin and Iowa with over 200,000 sq. ft. of manufacturing space and 40+ CNC operations.

Darley holds multiple federal government contracts with a robust customer base across federal, state, and local governments in the United States and in more than 100 countries.

Core Capabilities

- Fabrication
 - Mig & Tig welding for metals including steel, stainless steel, and aluminum
 - Hot air and extrusion welding for Poly
- Machining, Assembly and Testing
- Project Management
- Reverse Engineering
- CARC painting
- Systems integration
- Quality control
- System design
- Computer modeling
- Finite Element Analysis (FEA)

Key CNC Operations

- Milling
- Turning
- Drilling
- Grinding
- Finishing operations
- Waterjet
- Press brake
- Saw



Contact Us

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Machines & Equipment

Lathes – Lowest Machining Tolerance: .0004"

	Chuck	RPM	Max Turn Dia.	Max Swing	Max Thru Chuck Bar Size	Tools Upper	Tools Lower	Bed Length
LU-25 Lathe	12"	2,000			2.75"	12	10	
LU-35 Lathe	15"	3,200	21.65"	29.13"	3.54"	12	10	36.22"
LU300 Lathe	10"	5,000	14.57"	20.87"	2.75"	12 (LIVE)	8	23.62"
LU400 Lathe 650mm	12"	3,000	16.54"	25.59"	3.5"	12 (LIVE)	10	25.59"
LB3000 Lathe W/Barfeeder	8"	5,000	16.14"	22.83"	2.5"	12	NONE	9.84"
LU400 Lathe 1250mm	12"	3,500	16.54"	25.59"	3.5"	12	10	49.21"
2SP-V60 Lathe	15"	2,000	24.02"	27.56"	NA	12	NONE	25.98"
MAZAK QTU 350	10"	3,500	16.25"	27.40"		12	NONE	
LT3000 W/233 HALTER Robot	10"	4,200	13.78"	21.65"	3.58"	16 (LIVE)	16 (LIVE)	
OKUMA LU3000 Lathe	10"	4,200	13.30"	22.83"	3.15"	12 (LIVE)	8	23.62"

Robot	Gripper Weight	Max Weight	Max Weight Per Part	Max Dia.
HALTER Robot FANUC M-20iA	20 lbs.	77 lbs.	26 lbs.	9"

Horizontal Mills – Lowest Machining Tolerance: .0004"

	Pallets	RPM	Table Size	X Travel	Y Travel	Z Travel	Max WorkPiece	Taper	Tool Belt
MA500 H MILL	2	6,000	19.69" x 19.69"	30.71"	37.40"	30.71"	31.50" x 39.37"	50	60
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MA500-FASTEMS	20	6,000	19.69" x 19.69"	27.64"	35.50"			50	150
MA500-FASTEMS	20	6,000	19.69" x 19.69"	27.64"	35.50"			50	150
OKUMA MA600III H-MILL W/6 Pallet Pool	6	10,000	24.8" x 24.8"	41.34"	35.43"	39.37"	39.37" x 39.37"	50	320

Vertical Mills – Lowest Machining Tolerance: .0004"

	RPM	Table Size	X Travel	Y Travel	Z Travel	Max Workpiece	Taper	Tool Belt
MC-V4020 V-MILL WITH ROTARY INDEXER								40
GX710 V MILL	10,000	31.50" x 15.8"	27.95"	15.75"	16.9"		40	20
MAZAK VCS-510	12,000	51.18" x 21.65"	41.34"	20.87"	20.08"		40	48
MAZAK VARIAXIS J500 FULL 5 AXIS	12,000	19.69" x 15.75"	13.78"	21.65"	20.08"	19.69" DIA x 13.78"	40	30
GENOS M560	15,000	51.18" x 22.05"	41.34"	22.05"	18.11"		40	32

Rotary Balancer – Lowest Machining Tolerance: ISO 1940-1 G3	Part Weight	Maximum Dia.	Maximum Height	CERT ACC
CIMAT CMT-30 V1 FW w/3 AXIS Material Removal Mill	.88-66 lbs.	17.7"	9.8"	DIN 1319

Impregnator	Materials	Size Envelope
Thermal Set Resin Impregnation	Aluminum (Preferred), Can Do Select Brass & Bronze	35" x 27" x 13.75"

Gear Shapers – Typical AGMA Level: Q8/A9

	Working Dia.	Stroke Length
FELLOWS 10-4 CNC Shaper	14.00"	4.00"

Gear Hobbs – Lowest AGMA Level: Q8/A9

	Working Dia.	Working Length
BK HOBBS	15.00"	35.75"
BK HOBBS 400H	15.00"	58.00"

Coordinate Measuring Machines

	X Axis	Y Axis	Z Axis
ZEISS CONTURA 7/7/6 (700mm x 700mm x 600mm)	27.55"	27.55"	23.62"
ZEISS CONTURA 7/10/6 (700mm x 1000mm x 600mm)	27.55"	39.37"	23.62"
ZEISS CONTURA 7/10/6 (700mm x 1000mm x 600mm)	27.55"	39.37"	23.62"
ZEISS ECLIPSE 550 (500mm x 550mm x 580mm)	19.60"	21.60"	22.80"

Broach

	Force	Slide Length	Sizes
Cincinnati MILICRON XM50 Vertical Broach	50,000 lbs.	66"	3/4 up to 2-1/2

