



COMPANY & CAPABILITIES OVERVIEW

LARGE-SCALE & HIGH-COMPLEXITY ADVANCED MANUFACTURING
FOR THE WORLD'S MOST DEMANDING INDUSTRIES

ABOUT US

OVERVIEW

Baker Industries, a Lincoln Electric® company, is an industry-leading supplier of tooling, flight hardware, prototyping, CNC machining, fabrication, additive manufacturing, assembly, finishing, quality inspection, and design & engineering services to OEM and Tier 1 manufacturers in the world's most demanding industries.



PRODUCTS & SERVICES

- » Tooling
- » Flight hardware
- » Low-volume & prototype parts
- » Design & engineering
- » CNC machining
- » Forming & fabrication
- » Large-scale 3D metal printing
- » Automation
- » Finishing
- » Assembly
- » Quality inspection & testing
- » On-site installation



AWARDS & RECOGNITION

- » Supplier of the Year / Hermeus
- » Top Industrial Large-Scale Manufacturer / Manufacturing Outlook Magazine
- » Impact 100 / Emergent Defense Magazine
- » Best Workplaces in Defense / Emergent Defense Magazine
- » Top Honors, Environmental Award / Blue Origin
- » Top Supplier, New Glenn Program / Blue Origin
- » Company of the Year, CNC Machining Services / Aerospace & Defense Review
- » Top Shop, Machining Technology / Modern Machine Shop
- » Diversification Leader / Macomb Business Awards
- » Performance Excellence Award / Boeing (6x)
- » Outstanding Small Business Award / Lockheed Martin (pre-acquisition)
- » Top-Rated Supplier / GE Aerospace



Modern
Machine
Shop

TOP
100



OUR FACILITIES

PLANT 1 | ADMINISTRATION & MACHINING

- » **Size:** 65,000 ft²
- » **Max. Bay Height:** 25 & 34 ft
- » **Max. Crane Hook Height:** 27 ft 3 in
- » **Max. Crane Capacity:** 30 tons

PLANT 2 | FABRICATION, ADDITIVE & NDT

- » **Size:** 45,000 ft²
- » **Max. Bay Height:** 28 ft
- » **Max. Crane Hook Height:** 22 ft 6 in
- » **Max. Crane Capacity:** 16.5 tons

PLANT 3 | HARDWARE

- » **Size:** 55,000 ft²
- » **Max. Bay Height:** 26 ft 6 in
- » **Max. Crane Hook Height:** 19 ft
- » **Max. Crane Capacity:** 11 tons

PLANT 4 | TOOLING

- » **Size:** 55,000 ft²
- » **Max. Bay Height:** 26 ft 6 in
- » **Max. Crane Hook Height:** 20 ft 6 in
- » **Max. Crane Capacity:** 16.5 tons

PLANT 5 | AUTOMOTIVE TOOLING

- » **Size:** 31,000 ft²
- » **Max. Bay Height:** 27 ft





MACHINING

MAKE & MODEL	AXES	TABLE LOAD	TURNING DIAMETER	X	Y	Z
EMCO MECOF Powermill (with four interchangeable heads & automatic head-changer)	5	2,775,004 lbs	-	551 in	236 in	122 in
EMCO MECOF Powermill HP5	5	1,058,745 lbs	-	315 in	158 in	59 in
EMCO MECOF Powermill HP5	5	1,058,745 lbs	-	315 in	158 in	59 in
Breton FlyMill HD 1300 2T K80 DD MD	5	647,111 lbs	-	140 in	325 in	80 in
EMCO MECOF Ecomill (with hydrostatic rotary table)	7	437,220 lbs	120 in	394 in	52 in	98 in
Breton Matrix 1000 2T DD K60	5	341,333 lbs	-	98 in	236 in	51 in
Breton Matrix 1000 2T DD K45	5	341,333 lbs	-	98 in	177 in	51 in
Yama Seiki AWEA LP-4025YZF	5	33,069 lbs	-	157 in	126 in	39 in
Toshiba BTS 130H.R22 (with hydrostatic rotary table)	4	230,475 lbs	-	120 in	90 in	63 in
Toshiba BTS 130H.R22 (with hydrostatic rotary table)	4	230,475 lbs	-	120 in	90 in	63 in
Yama Seiki AWEA LP 5025	3	30,000 lbs	-	197 in	98 in	30 in
Breton FlyMill 1000 2T DD K30	5	170,667 lbs	-	98 in	118 in	39 in
YCM jD422	3	33,069 lbs	-	165 in	87 in	30 in
YCM jD422	3	33,069 lbs	-	165 in	87 in	30 in
EMCO MECOF Umill 1800	5	13,230 lbs	98 in	83 in	85 in	50 in
EMCO MECOF Umill 1800	5	13,230 lbs	98 in	83 in	85 in	50 in
Parpas BF-150 50 HP	3	40,000 lbs	-	118 in	59 in	47 in
Parpas BF-120 50 HP	3	30,000 lbs	-	94 in	47 in	39 in
Hermle C 62 U MT (with PW 3000 pallet changer)	6	5,500 lbs	55 in	47 in	51 in	36 in
Hermle C 62 U MT (with PW 3000 pallet changer)	6	5,500 lbs	55 in	47 in	51 in	36 in
MAG Fadal VMC 6535 HTX	3	10,000 lbs	-	65 in	35 in	35 in
MAG Fadal VMC 6535 HTX	3	10,000 lbs	-	65 in	35 in	35 in
Yama Seiki AWEA VP-2012	3	6,000 lbs	-	42 in	42 in	36 in
Yama Seiki AWEA VP-2012	3	6,000 lbs	-	42 in	42 in	36 in

MACHINING

MAKE & MODEL	AXES	TABLE LOAD	TURNING DIAMETER	X	Y	Z
Hermle C 50	5	4,400 lbs	-	39 in	43 in	30 in
Hermle C 50	5	4,400 lbs	-	39 in	43 in	30 in
Hermle C 650 U GEN1 (with HS-flex heavy pallet changer)	5	3,300 lbs	-	41 in	35 in	24 in
Hermle C 650 U GEN2 (with HS-flex heavy pallet changer)	5	3,300 lbs	-	41 in	35 in	24 in
Hermle C 650 U GEN2 (with HS-flex heavy pallet changer)	5	3,300 lbs	-	41 in	35 in	24 in
YCM NSV102A	3	2,000 lbs	-	40 in	24 in	24 in
YCM NSV102A	3	2,000 lbs	-	40 in	24 in	24 in
YCM NSV102A	3	2,000 lbs	-	40 in	24 in	24 in
YCM NSV102A	3	2,000 lbs	-	40 in	24 in	24 in
Hermle C 42	5	3,086 lbs	-	31 in	31 in	22 in
Hermle C 42	5	3,086 lbs	-	31 in	31 in	22 in
Hermle C 40	5	4,400 lbs	-	34 in	28 in	20 in
Hermle C 40	5	4,400 lbs	-	34 in	28 in	20 in

INSPECTION: COORDINATE MEASURING MACHINES

MAKE & MODEL	HEAD/SCALES	SOFTWARE	X	Y	Z
Hexagon GLOBAL Scan+ 15.26.14 CMM	Hexagon	PC-DMIS	59 in	102 in	55 in
Hexagon GLOBAL Scan+ 15.26.14 CMM	Hexagon	PC-DMIS	59 in	102 in	55 in
Hexagon GLOBAL Scan+ 12.30.10 CMM	Hexagon	PC-DMIS	47 in	118 in	39 in
Hexagon GLOBAL Scan+ 12.30.10 CMM	Hexagon	PC-DMIS	47 in	118 in	39 in
Hexagon PFx 454 CMM	Renishaw	PC-DMIS	16 in	20 in	16 in

INSPECTION: LASER TRACKERS & 3D SCANNERS

MAKE & MODEL	QUANTITY	SOFTWARE
Faro Quantum FaroArm	1	CAM2
Creaform HandySCAN 3D MAX Series	1	VXelements
API Radian Laser Tracker	2	VeriSurf X
Hexago Leica Absolute Tracker ATS600	1	VeriSurf X
FARO Vantage Laser Tracker	9	VeriSurf X

FABRICATION

MAKE & MODEL	QUANTITY	SPECS/NOTES
Cincinnati 750 Form Master II Press Brake	1	Capacity: 750 tons Bed Width: 16 ft Distance Between Housings: 8 ft
Flow 5-axis waterjet	1	Table: 10 x 20 ft
Lincoln Electric Aspect® 375 AC/DC TIG Welders	26	-
Lincoln Electric POWER MIG® 210 MP® Multi-Process Welders	9	-

FABRICATION

MAKE & MODEL	QUANTITY	SPECS/NOTES
Lincoln Electric Power Wave® S500 Advanced Process Welders	11	-
Lincoln Electric Flextec® 500X Multi-Process Welder	1	-
Lincoln Electric Power Wave® S350 Advanced Process Welder	1	-
Alpha Laser ALM 300 W Mobile Laser Welder	1	-
Hypertherm MAXPRO200 Plasma Cutter	1	-
Hypertherm Powermax85 Plasma Cutter	1	-

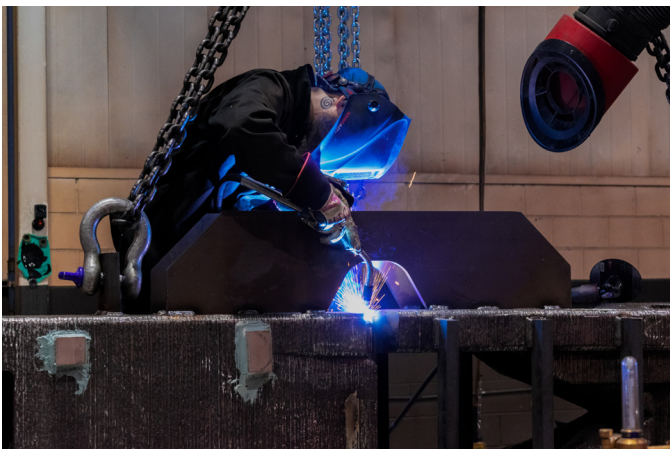
3D PRINTING

MAKE & MODEL	QUANTITY	CAPACITY	X	Y	Z
Lincoln Electric SculptPrint™ 1500 Wire-Arc Additive Manufacturing Cells	24	5,000 lbs	4 ft	5 ft	7 ft
Lincoln Electric SculptPrint XL Wire-Arc Additive Manufacturing Cells	4	22,000 lbs	10 ft	10 ft	7 ft

COATINGS

MAKE & MODEL	DOOR	L	W	H
Garmat USA Pressurized Semi-Vertical Industrial Spray Booth (with heated air makeup unit, forced dry cure cycle & digital control panel)	22 x 14 ft	50 ft	25 ft	16 ft





“GOOD ENOUGH” COMES AT A COST AIM HIGHER

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, cutting equipment and EV charging systems. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.