

# Manufacturing – Diversifying in the Knowledge Economy



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# The Right Place, Inc.

- Regional Non-profit Economic Development Organization
- Private / Public Funding
- **ARE** = **A**ttraction, **R**etention, **E**xpansion
- **MISSION**
  - **Promote Wealth Creation** and **Economic Growth** in the areas of Quality Employment, Productivity and Innovation in West Michigan, with a focus on:
    - **Lead** West Michigan business development efforts
    - **Identify** and **Develop** emerging growth opportunities
    - **Strengthen** the global competitiveness and innovation of our existing regional manufacturers

# Employment

	2002	2009	Change	% Change
<b>U.S.</b>	163,437,323	173,451,657	10,014,334	6%
<b>MICHIGAN</b>	5,400,977	4,978,630	(422,347)	(8%)
<b>WEST MICHIGAN</b>	743,506	720,921	(22,585)	(3%)

Source: Economic Modeling Specialists, Inc.

Michigan	2002 Jobs	2009 Jobs	Change	% Change
Construction	296,780	228,847	(67,933)	-29.7%
<b>Manufacturing</b>	<b>773,770</b>	<b>485,687</b>	<b>(288,083)</b>	<b>-59.3%</b>
Trade	814,515	722,735	(91,780)	-12.7%
Transportation/Warehousing	19,554	20,390	836	4.1%
Finance/Insurance/Real Estate	403,370	428,102	24,732	5.8%
Professional/Technical	32,408	34,641	2,233	6.4%
Administration/Waste Services	396,217	352,660	(43,557)	-12.4%
Health Care & Educational	633,201	751,250	118,049	15.7%
Eating/Lodging/Entertainment	450,037	452,174	2,137	0.5%
Government	670,947	636,971	(33,976)	-5.3%
Other	116,791	115,877	(914)	-0.8%
<b>Total</b>	<b>5,400,977</b>	<b>4,978,630</b>	<b>(422,347)</b>	<b>-8.5%</b>

Source: Economic Modeling Specialists, Inc.

West Michigan	2002 Jobs	2009 Jobs	Change	% Change
Construction	44,981	38,016	(6,965)	-18.3%
<b>Manufacturing</b>	<b>148,158</b>	<b>114,377</b>	<b>(33,781)</b>	<b>-29.5%</b>
Trade	118,749	107,821	(10,928)	-10.1%
Transportation/Warehousing	19,554	20,390	836	4.1%
Finance/Insurance/Real Estate	53,773	58,494	4,721	8.1%
Professional/Technical	32,408	34,641	2,233	6.4%
Administration/Waste Services	55,629	58,350	2,721	4.7%
Health Care & Educational	84,631	107,204	22,573	21.1%
Eating/Lodging/Entertainment	56,536	58,003	1,467	2.5%
Government	65,273	60,053	(5,220)	-8.7%
Other	18,009	18,358	349	1.9%
<b>Total</b>	<b>743,506</b>	<b>720,921</b>	<b>(22,585)</b>	<b>-3.1%</b>

West Michigan = Allegan, Barry, Ionia, Kent, Muskegon, Newaygo, Ottawa Counties

Source: Economic Modeling Specialists, Inc.

# U.S. Manufacturing Industry Outlook

	Employment Growth %		Revenue Growth %	
	2010F	2011F	2010F	2011F
Aerospace & Defense	-0.4	3.9	-2.0	4.4
Auto Parts Manufacturing	-8.6	-2.9	-0.4	9.4
Autos & Trucks	-3.8	0.0	8.7	18.9
Building Materials	-4.5	0.6	-1.1	10.7
Computer Equipment	-5.8	-0.9	2.8	6.4
Electronic Equipment & Instruments	-3.4	1.3	5.7	8.1
Industrial Machinery	-4.2	2.0	4.4	8.6
Packaging & Containers	-3.4	0.8	2.2	2.5
Paper & Forest Products	-3.1	0.6	2.0	5.4
Semiconductors & Equipment	-5.2	0.4	2.1	7.6
Telecom Equipment	-3.2	-0.2	7.6	13.1
Biotechnology	0.5	3.2	18.1	21.2
Mfg. Housing & Recreational Vehicles	-6.3	-1.0	12.5	12.5
Pharmaceuticals Manufacturing	-0.5	2.4	6.8	8.0

Source: Moody's Economy.com

Michigan	2010 Jobs	2017 Jobs	Change	% Change
Construction	232,184	246,554	14,370	5.8%
<b>Manufacturing</b>	<b>475,844</b>	<b>471,056</b>	<b>-4,788</b>	<b>-1.0%</b>
Trade	726,694	756,272	29,578	3.9%
Transportation/Warehousing	19,554	20,390	836	4.1%
Finance/Insurance/Real Estate	446,854	512,342	65,488	12.8%
Professional/Technical	32,408	34,641	2,233	6.4%
Administration/Waste Services	366,053	420,557	54,504	13.0%
Health Care & Educational	775,865	880,271	104,406	11.9%
Eating/Lodging/Entertainment	461,043	498,378	37,335	7.5%
Government	639,151	635,861	-3,290	-0.5%
Other	115,640	116,443	803	0.7%
<b>Total</b>	<b>5,057,195</b>	<b>5,420,227</b>	<b>363,032</b>	<b>6.7%</b>

West Michigan = Allegan, Barry, Ionia, Kent, Muskegon, Newaygo, Ottawa Counties

Source: Economic Modeling Specialists, Inc.



West Michigan	2010 Jobs	2017 Jobs	Change	% Change
Construction	38,945	42,381	3,436	8.1%
<b>Manufacturing</b>	<b>112,981</b>	<b>115,336</b>	<b>2,355</b>	<b>2.0%</b>
Trade	108,788	115,131	6,343	5.5%
Transportation/Warehousing	19,554	20,390	836	4.1%
Finance/Insurance/Real Estate	61,187	70,884	9,697	13.7%
Professional/Technical	32,408	34,641	2,233	6.4%
Administration/Waste Services	61,146	70,464	9,318	13.2%
Health Care & Educational	111,454	128,050	16,596	13.0%
Eating/Lodging/Entertainment	59,624	66,097	6,473	9.8%
Government	60,349	59,473	(876)	-1.5%
Other	18,311	18,292	(19)	-0.1%
<b>Total</b>	<b>735,445</b>	<b>799,079</b>	<b>63,634</b>	<b>8.0%</b>

Source: Economic Modeling Specialists, Inc.

West Michigan Manufacturing Occupations	2010	2017	Increase	% Increase	New & Replace	% Replace
Industrial production managers	1,241	1,276	35	3%	389	31%
Purchasing managers	427	446	19	4%	105	25%
Engineering managers	1,040	1,130	90	9%	236	23%
Engineers	9,221	10,275	1,054	11%	2,424	26%
Industrial engineers	2,403	2,879	476	20%	875	36%
Mechanical engineers	2,111	2,237	126	6%	446	21%
Engineers, all other	1,691	1,817	126	7%	264	16%
Engineering technicians	3,432	3,774	342	10%	806	23%
Production occupations	79,455	81,721	2,266	3%	16,881	21%
Assemblers and fabricators	15,572	15,982	410	3%	3,069	20%
Metal plastic workers	23,358	23,982	624	3%	5,383	23%
Machine tool cutting	5,133	5,055	(78)	(2%)	1,328	26%
Metal furnace/kiln operators and tenders	413	516	103	25%	200	48%

Source: Economic Modeling Specialists, Inc.

# West Michigan New & Expanding Companies\*

- **Renewable Energy – 350 Jobs**
  - Betz Industries
  - Burke E. Porter Machinery
  - Carter Products
  - Cascade Engineering
  - Williams Form
- **Aerospace – 100 Jobs**
  - GE Aviation
  - Precision Aerospace
- **Advanced Mfg. – 1200 Jobs**
  - Flexco
  - Gentex
  - GR Spring & Stamping
  - JCI/Saft Advance Power Solutions New lithium-ion battery cells plant
  - Integrated Fabric Resource
  - JR Automation
  - Magna Mirrors
  - Paragon D&E
  - Ranir

*\*Note: Sample company list*

# Questions?

