

**AN ANALYSIS OF MANUFACTURING IN MENTOR, LAKE COUNTY
AND THE CLEVELAND-ELYRIA-MENTOR MSA
(2002 – 2007)**

According to information compiled from the Economic Census, Mentor ranks 9th in the State of Ohio in terms of all employees engaged in manufacturing; only Solon (#6) and Mentor (#9) represent non-central city locations (Table 1). Only Solon increased in employment between 2002 and 2007; the other nine communities experienced a decline ranging from 5.9% (Mentor) to Warren (32.6%). In terms of number of establishments, the City of Mentor continues to rank 7th in the State. Between 2002 and 2007, Mentor lost 14 manufacturers; while company loss ranged from 4.9% for Willoughby to 18.2% for the City of Cincinnati. Mansfield added one manufacturing firm during this time period.

The Cleveland-Elyria-Mentor MSA represents the five county area of Cuyahoga, Geauga, Lake, Lorain and Medina (Table 2). According to the 2007 Economic Census, there were 3,774 establishments employing 141,166 persons and representing \$6.9 billion in payroll. This represents a decline of 9.3% in the number of establishments, a 14% decline in employment and 2.3% decline in employee payroll since the 2002 census. A simple calculation indicates the "average" firm employs 37 persons with a payroll of \$48,712/employee in the Cleveland-Elyria-Mentor MSA. Lake County had 688 establishments, while Mentor had 232 firms or roughly one-third of the county total; this was roughly the same percentage as in 2002. The number of firms declined by 47 in Lake County, and by 14 in the City of Mentor. Relative to manufacturing employment, it declined approximately 10% in the County (22,002 to 19,820) and approximately 6% in the City of Mentor (7,969 to 7,497). The "average" firm in Lake County employs 29 persons, while the average firm in Mentor employs 32 workers. In terms of payroll, the "average" in Lake County is \$44,783 and \$43,577 in Mentor.

Of the five industry groupings for which data was collected and reported in Mentor; the fabricated metal product manufacturing constituted 40% of the establishments, followed by machinery manufacturing which constitutes 14% of the market, and miscellaneous manufacturing which makes-up approximately 10% of the firms (Table 3). More revealing however, is the actual

employment, which is dominated by fabricated metal product manufacturing (25%), machinery manufacturing (20%), and miscellaneous manufacturing (11%) round-out the top three. The average payroll in the transportation equipment manufacturing industry is \$59,116/job, while plastics & rubber product manufacturing averages the lowest per job at \$38,625. In terms of the value of shipments, miscellaneous manufacturing which includes medical equipment and represented approximately 1/3 of the total value of shipments in the 2002 Economic Census; in the 2007 data the number was "suppressed". Miscellaneous manufacturing also represented half of the capital expenditures in 2002; in 2007 it represented only 10%.

Prepared by: Economic & Community Development Department, City of Mentor, May 2010

TABLE I

CITY RANKINGS FROM 2007 OHIO ECONOMIC CENSUS – MANUFACTURING

Number of Manufacturing Companies

<u>City</u>	<u>No. Establishments</u>
1. Cleveland	922
2. Columbus	600
3. Cincinnati	428
4. Toledo	365
5. Akron	306
6. Dayton	303
7. Mentor	232
8. Willoughby	175
9. Canton	146
10. Mansfield	118

Total Number of Employees

<u>City</u>	<u>Employees</u>
1. Cleveland	26,961
2. Columbus	24,027
3. Cincinnati	18,795
4. Toledo	15,647
5. Dayton	12,820
6. Solon	10,741
7. Canton	9,975
8. Akron	8,736
9. Mentor	7,497
10. Warren	7,339

Compiled by City of Mentor, Economic & Community Development Department, April 2010

TABLE 2**CLEVELAND-ELYRIA-MENTOR MSA , LAKE COUNTY AND MENTOR**

All Establishments

	<u>2002</u>	<u>2007</u>	<u>Percent Change</u>
Cleveland-Elyria-Mentor MSA	4,161	3,774	-9.3
Lake County	735	688	-6.4
City of Mentor	246	232	-5.7

All Employees

Cleveland-Elyria-Mentor MSA	163,624	141,166	-14
Lake County	22,002	19,820	-10
City of Mentor	7,969	7,497	-6

All Employee Payroll (in million dollars)

Cleveland-Elyria-Mentor MSA	6,722	6,876.5	2.3
Lake County	877.3	887.6	1.2
City of Mentor	308.1	326.7	6.0

Source: 2002 Economic Census – Manufacturing – Ohio & 2007 Economic Census – Manufacturing – Ohio

TABLE 3

INDUSTRY STATISTICS FOR PLACES – MENTOR

NAICS	Industry	All Establishment Total	All Employees		Value of Shipments (1)	Total Capital Expenditure (1)
			Number	Payroll (1)		
326	Plastics & rubber products mfg.	13	598	23,098	148,740	1,188
332	Fabricated metal product mfg.	96	1,909	79,965	172,706	10,579
333	Machinery mfg.	33	1,534	69,067	273,316	7,401
336	Transportation equipment mfg.	9	714	42,209	D	4,626
339	Miscellaneous mfg.	23	863	37,392	D	2,748

¹(x \$1,000)

Source: 2007 Economic Census – Manufacturing - Ohio