

Executive Summary

- (A) The machining-related industries are dominated by businesses that employ significant numbers of **machinists (Standard Occupational Code, SOC, #51-4041) and computer-controlled machine tool operators (SOC #51-4011)**. As shown in the table of the occupational/industry employment distributions, **these two machining occupations are concentrated in the three industries of (i) Machine Shops (North American Industrial Classification System, NAICS, code #332710), (ii) Metalworking Machinery Manufacturing (NAICS #333500), and (iii) Motor Vehicle Parts Manufacturing (NAICS #336300)** - industries which included about one-third of the occupational employment of machinists and computer-controlled machine tool operators.
- (B) **The national staffing patterns for the machining-related industries of NAICS #332710 (machine shops), NAICS #333500 (metalworking machinery manufacturing), and NAICS #336300 (motor vehicle parts and machinery) highlighted machinists and computer-controlled machine tool operators, as well as the importance of general production workers, as critical labor inputs to the production functions of these manufacturing industries.**
- (C) **The recent mean annual wages paid computer-controlled machine tool operators and machinists in the Columbus Metropolitan Statistical Area (including Licking County) were less than the U.S. and Ohio mean annual wages for these same occupations. It is noteworthy that almost half (i.e., 48.3%) of the “goods producing” workers in Licking County, Ohio, in 2010 by place of residence, received less than \$3,334.00 per month in earnings, making these workers potential sources of experienced labor supply for higher wage, manufacturing employers.**
- (D) **In terms of indicators of labor availability for the labor requirements of the machining-related industries, the labor shed map and supplemental tables documented substantial stocks of production workers for manufacturing industries in Licking County, Ohio.**
- (E) **The July, 2012, labor availability report from the Licking County One-Stop Center of the Ohio Department of Job and Family Services (ODJFS) showed sizable numbers of machining applicants registered with the ODJFS and seeking employment in Licking County, Ohio.**

- (F) **The Career-Technical Education Centers (C-TEC) of Licking County adult CNC machinist technology program is the only postsecondary precision production, metalworking training program operating in the Columbus Metropolitan Statistical Area (MSA),** according to the National Center for Education Statistics (NCES) and the Integrated Postsecondary Education Data System (IPEDS). **Hence, Licking County is unique in central Ohio with its CNC training program as part of the educational infrastructure of the county.** With its CNC machinist technology faculty, curriculum, and student recruitment practices already established, Licking County has the training foundation in place on which to increase CNC training output as the need arises in response to economic development with machining-related businesses.
- (G) **Since production occupations represent over 60% of the employment of machining-related industries, based on staffing patterns, the labor force statistics for Licking County provided useful indicators of potential labor supply, especially for semi-skilled and unskilled positions.** In May, 2012, the Ohio Bureau of Labor Market Information estimated the Licking County, Ohio, unemployment rate at 6.4% (unadjusted), with 5,400 unemployed workers, and an employed workforce of 79,200.
- (H) **The best indicator of the supply chain strength and support for machining-related businesses in the county is the large number of profitable machining companies presently located in Licking County.** As shown in the county employer directory of manufacturing firms, Licking County presently is the home to more than 58 machining-related businesses.