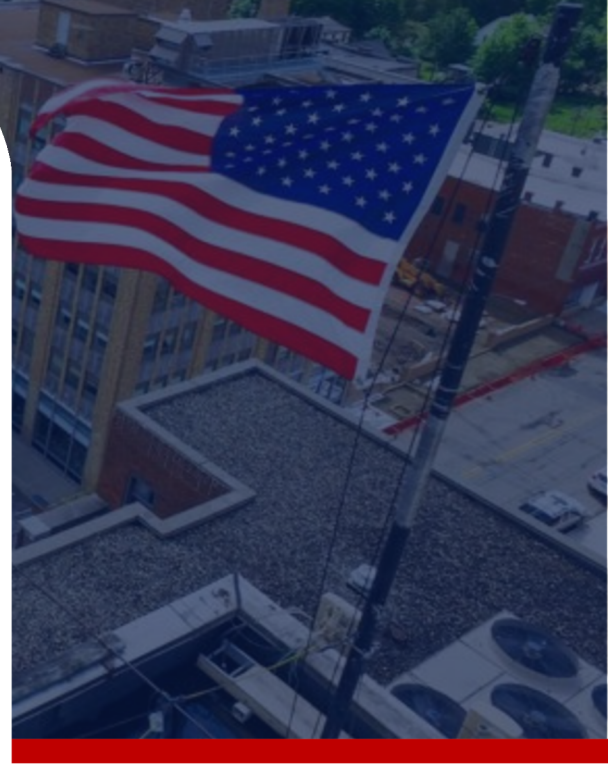




North Central Pennsylvania
Pressed Materials Consortium

Pressed Materials in North Central PA: An Enduring Legacy, A Growing Future.

North Central Pennsylvania (Cameron, Clearfield, Elk, Jefferson, McKean, and Potter counties) has been a national leader in pressed and powdered materials for over 100 years earning its title as the “Powder Metals Capital of the World”. What began as a regional cluster of powdered metallurgy manufacturers has grown into a highly specialized, globally competitive sector. These companies—many of them family-run or multi-generational—have quietly built the components that power cars, appliances, heavy equipment, medical devices, and even aerospace systems.



Our Regional Strength and Global Importance

38%

Nearly 40% of the world's powdered metal parts are produced in NCPA

43%

of all U.S.-based powdered metallurgy jobs are in NCPA

8,924 jobs

Pressed Materials and related industries employ more than half of the more than 16.5K manufacturing jobs in the region—contributing millions in wages, tax base, and local investment.

Why North Central PA?



R&D

For five consecutive years, Penn State has been nationally ranked #1 in materials science and #2 in materials engineering in NSF total research expenditures (as of January 2023 data).

Having this research powerhouse in our "backyard" gives us significant advantage in shaping the future of the Pressed Materials industry and creating new technologies and processes.



Workforce

North Central PA boasts a high concentration of skilled workers with 43% of all powdered metallurgy jobs in the U.S. located in the region,

This workforce is continually supported by local Career and Technical Centers (CTCs) high schools, colleges, and universities providing vital training and a steady pipeline of talent.



Industry

With a nationally significant concentration of powdered metallurgy companies and a growing presence in advanced techniques like isostatic pressing and additive manufacturing, this region is at the forefront of innovation.

Companies here benefit from deep-rooted expertise, a highly skilled workforce, and a collaborative ecosystem that fosters cutting-edge solutions.

Future Ready

As American manufacturing retools for a cleaner, smarter, more resilient future, the pressed materials industry is also poised for innovation and growth—and NCPA is already equipped to lead.

The industry is an innovation engine, evolving with projects like isostatic pressing upgrades, new materials, additive manufacturing, and AI quality control. This sector is vital to national manufacturing priorities, including defense, aerospace, and medical devices, directly addressing the need for stronger supply chains and a boosted manufacturing base.

North Central Pennsylvania is where America's advanced manufacturing future is shaped, driving the next generation of technologies, products, and careers that will strengthen the U.S. economy and secure our leadership in the global marketplace.

Want to know more? Visit pressedmaterials.org or contact our Regional Innovation Officer, John Williams at jcw5919@psu.edu