

Collaborative Deployments of Agile Machining Systems for Weapons Components Manufacturing

AUTHOR
Samuel C. Robinson
BWXY-12
P.O. Box 2009
Oak Ridge, TN 37831
865.574.1838
865.576.7649 (fax)
robinsonsc@y12.doe.gov

Y-12 and the Los Alamos National Laboratory (LANL) are partnering in deployment of an agile machine tool that will support the National Nuclear Security Administration (NNSA) in achieving its mission needs. To meet those needs, organizations should be able to quickly and efficiently manufacture small quantities of various precision components.

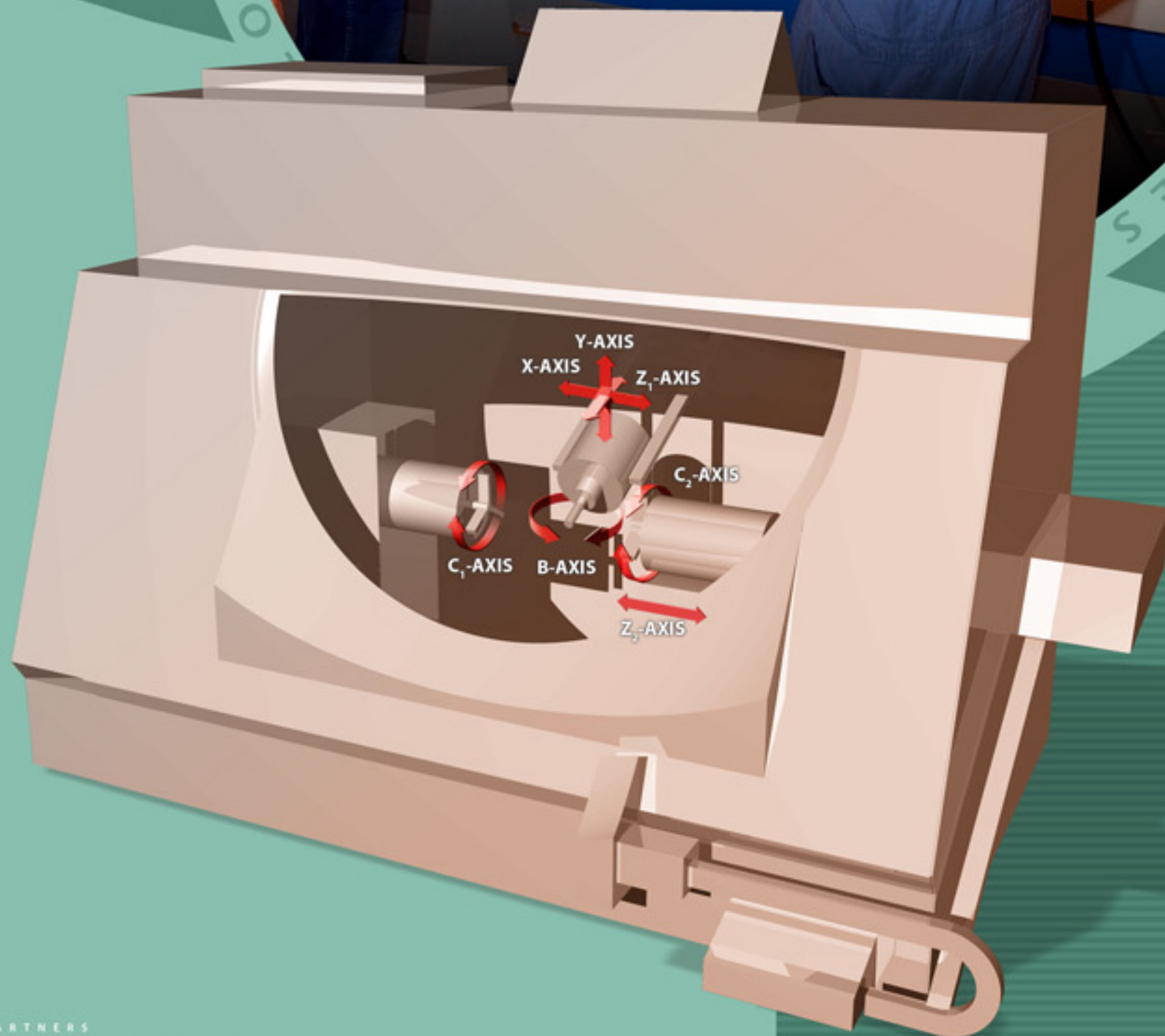
By using state-of-the-art technology, new multifunction machine tools are being created that will allow high levels of precision to be reached.



The partnership has Y-12 and LANL working together with private industry to qualify and produce modernized manufacturing (machining) systems that have the ability to:

- manufacture a critical subset of product requirements (form, features, precision, and materials),
- promote agility by reducing cycle time,
- utilize an optimized support infrastructure and process simplification,
- enable operational efficiencies by reducing floor space requirements and equipment inventories, and
- provide manufacturing systems that can address hazards efficiently and effectively.

NNSA's programmatic requirements combined with the necessity to modernize manufacturing capabilities lead Y-12's and LANL's efforts.



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