

MAL's Digital Machining Solutions

For CAM users and
Production Engineers

Manufacturing industry demands **high part quality with the shortest machining cycle time** while avoiding part scraps, overloading the machine and tool, and excessive vibrations.

MAL Manufacturing Automation Lab. Inc has **digital machining solutions to select the best tooling and cutting conditions** for process planners, as well as CAM integrated software that simulates and **optimizes the NC part programs.**

The combination of science, sensors, and software, allows customers to **digitally machine parts, then change the process as needed.** Machining is optimized without ever having to operate machinery, cut material, scrap parts, break tools, crash spindle bearings, create machine downtimes, and more.



CUTPRO®
Comprehensive Machining
Analysis and Chatter
Avoidance Optimization
Suite



Find the most optimum cutting conditions within the physical limitations of the tool, spindle and machine for process planners



Optimize tool geometries for smooth and vibration-free machining



Diagnose machining operations, and troubleshoot production problems in an instant to make adjustments in a virtual environment rather than on the shop floor



SHOP-PRO®
A Practical Kit to Eliminate
Machining Vibrations



Obtain high-performance, high-thruput milling conditions within minutes of using this integrated machine tool testing, chatter vibration avoidance, torque and power prediction software



Troubleshoot difficult-to-solve chatter vibration problems with a built-in expert guidance toolbox that analyzes machining sound, machine flexibility and cutting conditions with a click of a button



Easy to learn and apply with an industry-friendly user interface and wizard-guided steps.



manufacturing
automation
laboratories

www.malinc.com

MANUFACTURING AUTOMATION
LABORATORIES INC.

2829 Highbury St. Vancouver,
British Columbia, Canada V6R 3T7

+1 (604) 998-4686

+1 (604) 608-3265

sales@malinc.com

