



MachiningCloud

ROI Executive Summary

A Decision-Maker's Guide to Measurable Returns
from Integrated Tooling Data Management

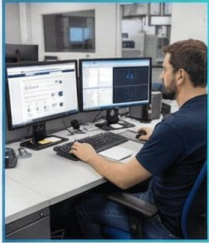
www.machiningcloud.com

CNC shops lose thousands of productive hours each year to three avoidable inefficiencies.

1

Catalog Search Tax

4–8 hrs per complex job searching across websites and PDF catalogs



2

Conservative Programming Tax

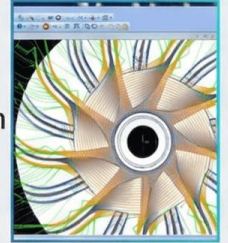
10–20% below optimal cutting speeds due to lack of manufacturer data



3

Data Re-Entry Tax

Manual transcription at every system handoff: catalog → CAM → TMS → ERP



Tool Management

65+ catalogs. Tool Advisor. Virtual Workshop. Procurement.

CNC Job & Process Planning

Feeds & speeds. 3D models. Job reports. Crash prevention.

Downstream Integration

ESPRIT EDGE, Mastercam, hyperMILL, GibbsCAM, Siemens NX + TMS/ERP.

MachiningCloud eliminates all three through an integrated platform.

What MachiningCloud Replaces

Today's Approach ❌

- ❌ Search multiple manufacturer websites
- ❌ Feeds & speeds from guesswork
- ❌ Build tool assemblies from scratch in CAM
- ❌ Setup sheets: Word docs or handwritten notes
- ❌ Manual data re-entry into TMS and ERP
- ❌ Tool cribs managed by tribal knowledge

With MachiningCloud ✅

- ✅ One search across 65+ catalogs
- ✅ Manufacturer-recommended cutting data
- ✅ Import production-accurate 3D models directly
- ✅ Auto-generated job reports with all setup data
- ✅ Direct integration with ANY CAM software
- ✅ Centralized digital library for the whole team

Return on Investment

20 CNC machines | 200 jobs/year | \$45/hr programmer | \$100/hr machine | \$50K tooling

Office Savings

480 hrs × \$45/hr

\$21,600

Pillars 1 + 2 — Catalog search & programming efficiency

Shop Floor Savings

480 hrs × \$100/hr

\$48,000

Pillar 2 — Optimized feeds & speeds unlock machine capacity

Procurement Savings

\$50K × 20%

\$10,000

Pillar 1 — Smarter tool sourcing across 65+ catalogs

Total Annual Savings: \$79,600 per year + 480 hrs recovered capacity

Investment: \$3,600/yr (3 subscriptions) | **Payback:** < 30 days | **Return:** 22x annual



Beyond the Numbers

The \$79,600 is a conservative floor. Each of these can individually exceed the total savings.



Crash Prevention

One crash = \$10K–\$50K+ in repairs plus weeks of downtime. Accurate 3D models and verified cutting data virtually eliminate this risk.

Knowledge Preservation

When experienced machinists retire, decades of expertise leave with them. MachiningCloud captures it digitally — tools, speeds, setups, and processes — preserved for the whole team.



Faster Onboarding

New programmers ramp up faster with Tool Advisor and a shared tool library instead of sole reliance on mentorship. Reduce time-to-productivity from months to weeks.

Competitive Speed

Faster planning + shorter setup = more competitive quotes, shorter lead times, and more wins. Speed is a market differentiator.



The Bottom Line

**\$79,600 in annual savings on a \$3,600 investment.
ROI in under 30 days. Direct integrations with
any CAM software plus TMS/ERP.**

“Machine crashes not only lead to costly repairs... By minimizing these risks, MachiningCloud significantly reduces both financial and operational disruptions...”

— Paul Ricard, President, MachiningCloud

