

7 PLACES TO ELIMINATE BOTTLENECKS IN A MACHINE SHOP



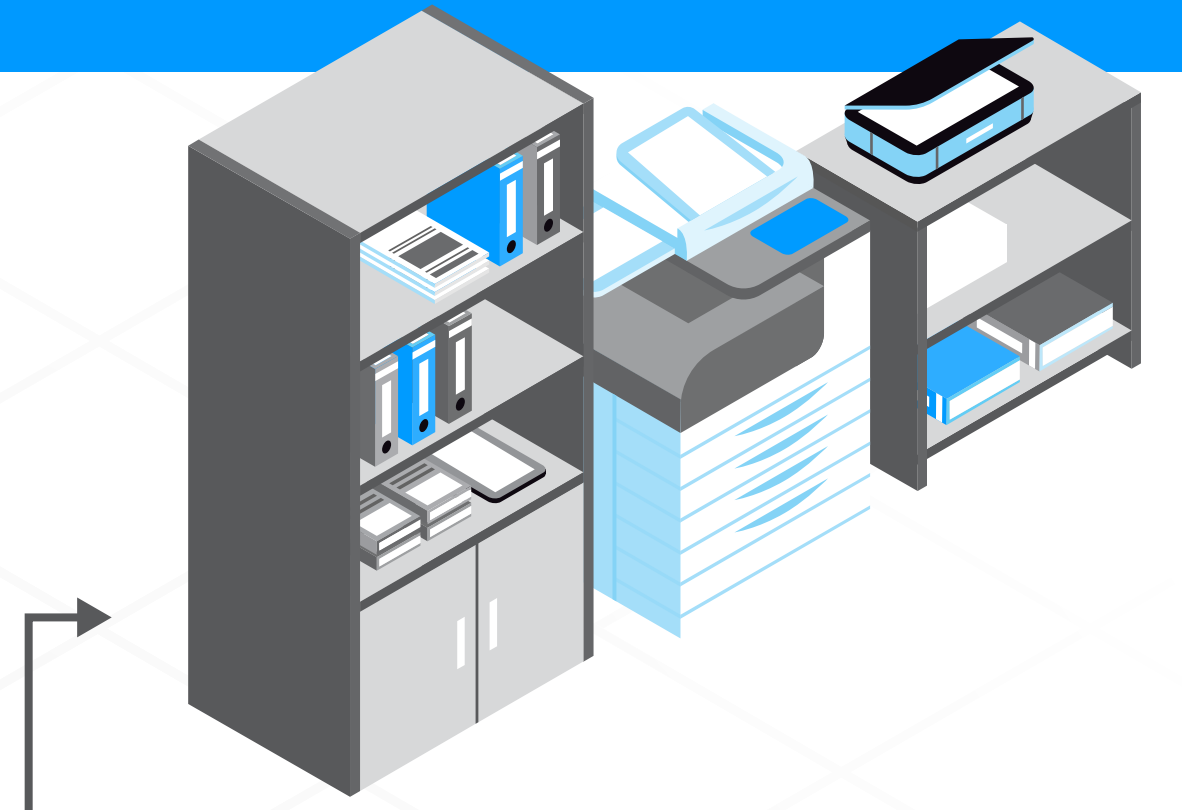
1. THE INBOX

THE HOLD-UP

Requests for quotes sitting without attention and reducing win chances.

SUGGESTED SOLUTION

Document what happens when a quote request is received and make the process sacred.



2. THE OUTBOX

THE HOLD-UP

Gathering the tacit knowledge, historical data, available capacity and inventory to prepare an accurate quote.

SUGGESTED SOLUTION

Simple programming, inventory and quoting systems and process that make accessing shop history and predicting capabilities quick to easy.

3. THE SETUP STATION

THE HOLD-UP

Getting the smallest thing wrong during setup leads to a series of costly downstream scenarios, from scrap and rework to tool breakage and damaged spindles.

SUGGESTED SOLUTION

Employ visual modeling and toolpath simulation away from the machine before pressing "go" on the control.



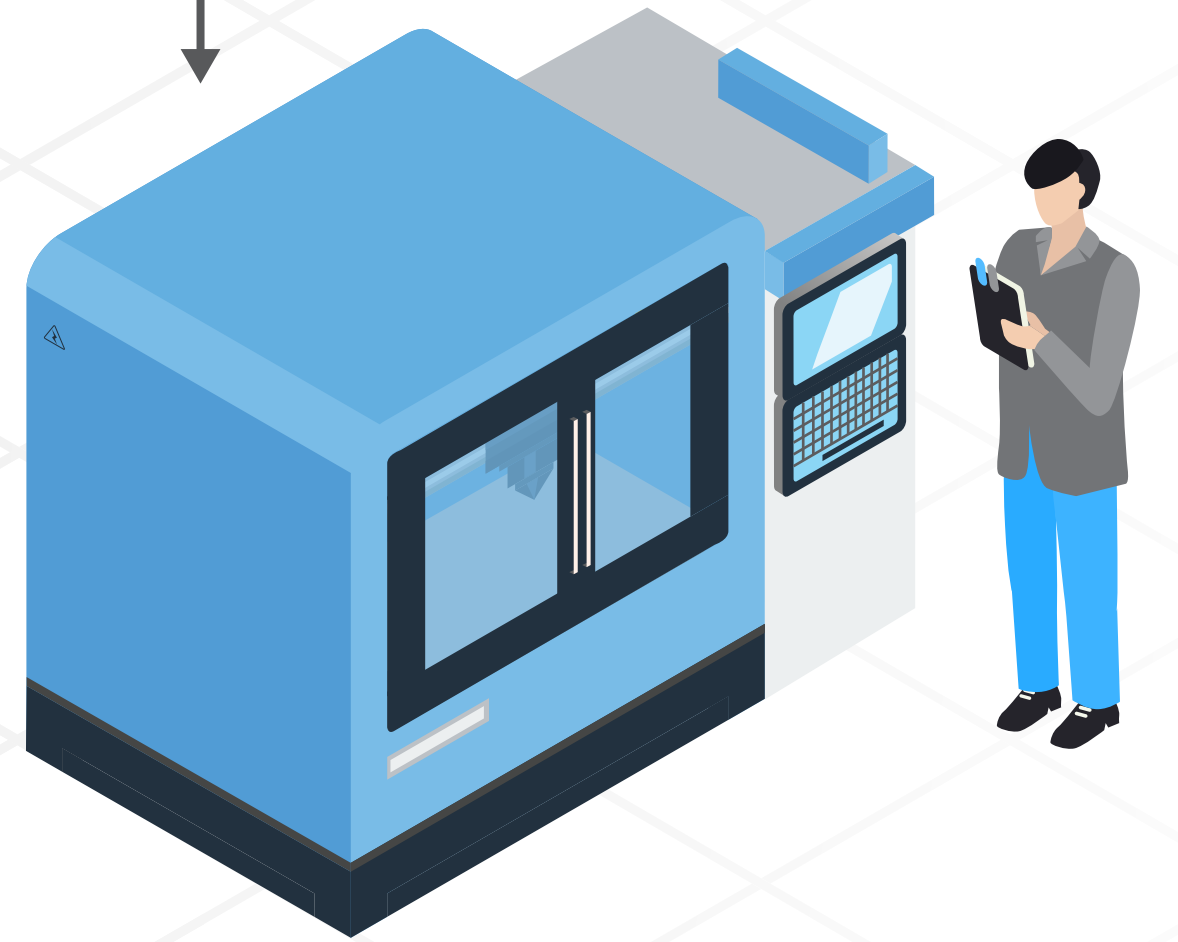
5. AT THE CONTROL

THE HOLD-UP

Programming at the control is complex, consumes spindle time and often requires the time of your most skilled machinists; this makes programming simple parts even more inefficient.

SUGGESTED SOLUTION

Reserve programming at the control for complex parts. Use simpler, offline programming solutions for 2.5D parts.



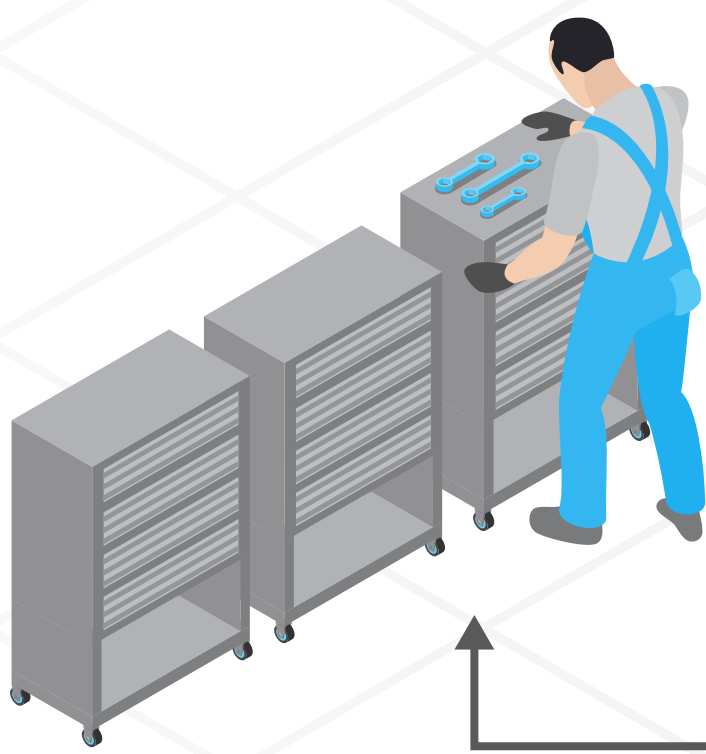
4. THE TOOLING SHELVES

THE HOLD-UP

Hunting down disorganized hardware and searching for cutting data in printed manuals.

SUGGESTED SOLUTION

Centralize, clean and organize tools and use a programming solution that can save your most common cutting data and use it to simulate cutting.



6. AT THE SPINDLE

THE HOLD-UP

Using imperfect speeds, feeds and toolpaths that slows cutting or results in parts with poor surface finish or imperfections.

SUGGESTED SOLUTION

Use programming techniques and tools that are tailored to, and make it easy to visualize or simulate the kind of work being done.



7. THE TRAINING ROOM

THE HOLD-UP

Getting new people up to speed on equipment and systems to the point where they're productive.

SUGGESTED SOLUTION

Implement simple systems like programming and tooling management equipment that's both easy to learn and contributes to productivity.

