



# Supply Chain Services

Delivering the industry's best practices and optimal solutions to manage tools and supplies, reduce costs, and increase operational effectiveness!

TOOL  
**BOSS**  
**28-LEVEL**

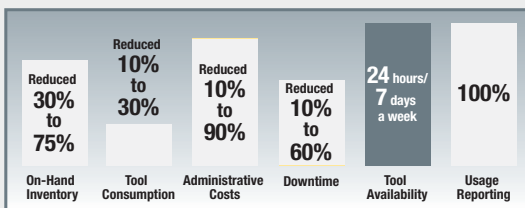
**LID**



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## Why Should You Use Kennametal Supply Chain Services?

- **Faster Results** — Our proven expertise means we can help you to establish needs, identify solutions, and achieve measurable results, quickly and cost effectively.
- **Proven Methodology** — Successful optimization programs require careful planning, teamwork, and disciplined execution. We use a proven methodology — based on your active involvement — to ensure successful implementation.
- **Disciplined Project Execution** — We have implemented hundreds of customized supply chain programs with major manufacturers worldwide, achieving impressive efficiency gains, cost reductions, and other related benefits.
- **Superior Service** — Our ongoing support, education, installation, and maintenance programs deliver the latest updates and newest technologies, enabling your supply chain to easily adapt to changing industry conditions.
- **Commitment to Success** — As a leader in the metalcutting industry, our success depends upon your success. We are committed to helping you achieve long-term operational and financial benefits — from the receiving dock to the shop floor!



***“ToolBOSS™ saves me about four man hours per day. In my little job shop, that’s worth about \$80,000 annually-loaded cost. Incredible!!”***

***– Owner, Job Shop***

## Kennametal Supply Chain Services

As you face new challenges to reduce costs, improve efficiencies, and compete globally, trust the complete offering of Supply Chain Services from Kennametal, and related products, to give you a competitive edge.

Using industry best practices, our highly trained personnel will identify the supply chain solution best suited to help you:

- Cut tooling inventory by 50% or more.
- Decrease spending on tooling by up to 30%.
- Reduce administrative costs by as much as 90%.

## We Help Our Customers Increase Operational Effectiveness

Kennametal is helping customers to be globally competitive by providing a blend of expert services and high-quality products focused on streamlining your supply chain and increasing overall operational effectiveness.

Successful supply chain optimization programs require careful planning, teamwork, and disciplined execution — and begin with gathering the right data. Using industry best practices, we work with you to collect, organize, and analyze your metalcutting tool and supply inventory and purchasing data. We then use this data to custom-tailor a product and service solution that not only addresses your current needs, but also provides room to grow. Our skilled staff will efficiently implement the solution, train your personnel, and provide the ongoing maintenance and support you need to easily adapt to changing business conditions.

Whether your manufacturing enterprise involves batch processes or mass production — or your metalcutting machines are organized in lines, cells, or as standalone units — the Kennametal supply chain products and services will eliminate unnecessary overhead, ensure tooling availability, shorten setup times, and **minimize costs by 30–90%**. In fact, our solutions often quickly pay for themselves by delivering savings that well exceed your annual spend on cutting tools and supplies.

Optimizing your supply chain will improve your operational effectiveness and yield significant and measurable savings. Contact your Kennametal Representative today to learn more about the Kennametal supply chain program that’s right for you!

## Services Offered

Defining an optimum supply chain solution involves the following Kennametal key services:

### Step 1 — Item Survey

The Item Survey accurately assesses your optimum storage needs. Without it, you risk implementing a solution that is either inadequate or overpriced. A completed Item Survey is the foundation for designing a supply chain solution correctly sized for your needs.

### Step 2 — Item Planning and Database Building

This service is the next step in optimizing your supply chain. It transforms the data gathered during the Item Survey into a functional database that determines which process changes and enhancements will yield the greatest savings.

### Step 3 — Education and Installation

We support our products, equipment, and services with a range of installation and onsite and offsite education programs to quickly and effectively train your employees and help you maximize your investment.

### Step 4 — Equipment and Software Maintenance Agreements

Our Equipment and Software Maintenance Agreements offer free replacement parts for failed components, free software updates, and unlimited telephone support. Kennametal provides several payment options to suit your budget and ensure uninterrupted support.

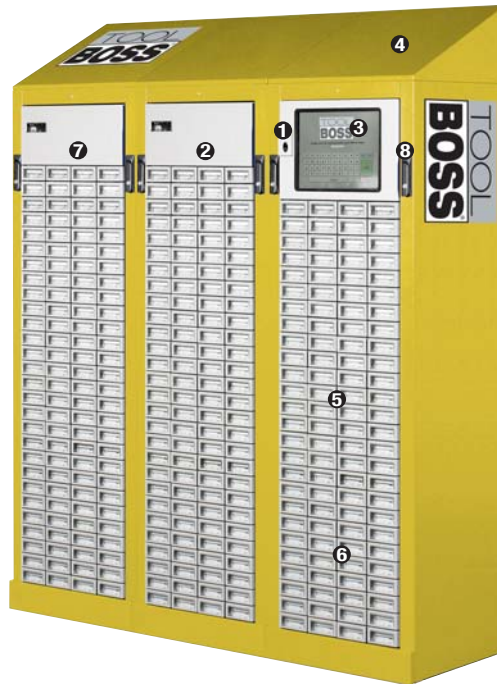
## Products Offered

Kennametal offers several products, like ToolBOSS, LID, Rotopoint, lockers for MRO, and Journeyman, that, when paired with our Supply Chain Services, will yield maximum bottomline results:

### ToolBOSS™ Management System

The Kennametal ToolBOSS Management System is an unmanned drawer-based system for dispensing and replenishing metalcutting tools and supplies at point-of-use. You can configure ToolBOSS with a virtually unlimited array of drawer sizes, cupboards, and lockers to accommodate various item and packaging dimensions.

ToolBOSS can help you to establish secure 24-hour inventory control, streamline tooling and supply purchases, and build the foundation for seamless migration to an enterprise-wide tool management system.



- 1 optional employee identification device (magnetic card, proximity reader, chip or bar code reader, or biometric scanner)
- 2 brand name desktop PC inside
- 3 industrial monitor and touch screen
- 4 UPS and power filter
- 5 light indicates appropriate frame and drawer
- 6 19 modular configurable drawer sizes for inserts, drills, toolholders, and tool assemblies
- 7 electronic cupboards
- 8 central locking system per frame

***“Tool-use data reported by ToolBOSS and KATMS software drives our continuous improvement programs. In the first year, we made improvements that reduced the tool cost per man hour KPI by 15% .”***

— Production Engineering Manager, *Pumps and Valves Industry*

***“ToolBOSS reduced our MRO non-production inventory from £700K to under £130K in just a few months.”***

— *Aerospace Manufacturer*

***Combined with our powerful ToolBOSS® Management Software, the 28 LEVEL cabinet provides a versatile high-capacity solution to meet the unpredictable challenges of logistics and supply chain management.***

**Reconfigurable**

The 28 LEVEL cabinet can be easily and quickly reconfigured to meet the changing requirements of the user. Single trays or the entire frame can be easily changed in minutes without the use of tools.

**Unique Manual Override Facility**

In the event that a manual override is needed, the 28 LEVEL cabinet ensures 24/7 availability with a unique manual override capability, which is simple and easy to use and requires no disassembly.

**Drawer Options**

There are currently 19 different drawer sizes available to accommodate a large variety of different sizes of items. Additional special sizes are available upon request.

**Security**

Access to the contents of items in the 28 LEVEL cabinet can be restricted by the use of: username, password, biometric identification, card readers, or a combination of these options. The drawer locks are of a high strength and cannot be forced open in normal or aggressive use without the assistance of tools. The items held within the 28 LEVEL cabinet are hidden from view and can be randomly distributed around the machine, reducing the risk of the unauthorized removal of contents.

**Compatibility**

The 28 LEVEL cabinet is fully compatible with all existing ToolBOSS units.

**Diagnostics**

The machine has a built-in tray diagnostic port, facilitating improved remote system support, diagnosis, and repair.

**Efficiency**

Multiple drawers can be selected in one transaction, minimizing the time required to manage large volumes of stock.

**Future-Proof**

The 28 LEVEL cabinet incorporates a USB interface, as well as a DCS expansion port, for use with RFID and other ancillary equipment.

**High-Speed Access**

Rapid search and selection of items via the ToolBOSS software is further enhanced with a complete LED identification system that guides users directly to the correct drawer.

**Traceability**

The powerful ToolBOSS software provides a complete audit trail, enabling you to track who used a component stored in the system, as well as when, where, and why.

**Expandability**

The 28 LEVEL cabinet can be expanded up to 10 units per system, providing up to 1,121 secure locations.

**Specifications**

**Capacity**

As a standalone machine:

- 26 levels
- 104 locations (max.)
- 1,248 compartments (max.)

As an add-on machine:

- 28 levels
- 113 locations (max.)
- 1,344 compartments (max.)

**Dimensions**

- 20.1"D x 21.5"W x 78.7"H  
(510D x 545W x 2,000H mm)

*Standard drawer options*

| Drawer Tray | No. of Drawers | Levels Used | Internal Dimensions (W x D) |            | Max Load Capacity |     |
|-------------|----------------|-------------|-----------------------------|------------|-------------------|-----|
|             |                |             | mm                          | in         | kg                | lbs |
| Z           | 4              | 1           | 55 x 23                     | 2.2 x 0.9  | 20                | 44  |
| A           | 3              | 1           | 97 x 23                     | 3.8 x 0.9  | 20                | 44  |
| AA          | 2              | 1           | 250 x 23                    | 9.8 x 0.9  | 20                | 44  |
|             |                |             | 97 x 23                     | 3.8 x 0.9  |                   |     |
| B           | 3              | 2           | 97 x 68                     | 3.8 x 2.7  | 20                | 44  |
| BB          | 2              | 2           | 250 x 68                    | 9.8 x 2.7  | 20                | 44  |
|             |                |             | 97 x 68                     | 3.8 x 2.7  |                   |     |
| C           | 2              | 1           | 164 x 23                    | 6.5 x 0.9  | 20                | 44  |
| D           | 2              | 2           | 175 x 68                    | 6.9 x 2.7  | 20                | 44  |
| E           | 1              | 1           | 385 x 23                    | 15.1 x 0.9 | 20                | 44  |
| F           | 1              | 2           | 394 x 68                    | 15.5 x 2.7 | 35                | 77  |
| G           | 1              | 3           | 394 x 120                   | 15.5 x 4.7 | 35                | 77  |
| H           | 1              | 4           | 394 x 175                   | 15.5 x 6.9 | 35                | 77  |
| J           | 2              | 4           | 170 x 175                   | 6.7 x 6.9  | 35                | 77  |

*\*Non-standard drawer sizes are available on request*



***For more information about managing your inventory with ToolBOSS® please contact your Kennametal Representative or Authorized Kennametal Distributor.***