# TOOl keeper
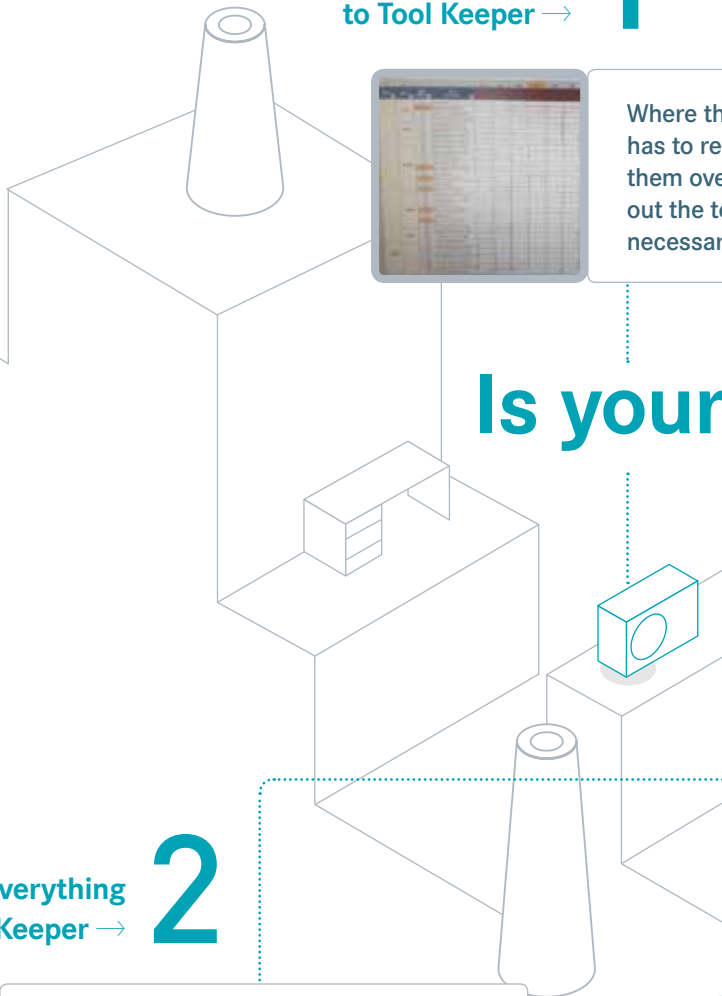
*Tool Keeper Modular System*

KORLOY

# Tool Keeper?

Tool Keeper is a smart tool management system that manages the stock status of all varieties of tools without a pause at manufacturing sites, leading the 4th industrial revolution.

**1** Leave everything to Tool Keeper →

Where th[...]
has to re[...]
them ove[...]
out the te[...]
necessar[...]

## Is your

**2** Leave everything to Tool Keeper →

Where facilities sometimes stop operations due to insufficient inventory of tools and consumables or when tool expenses increase due to over purchasing.

» **Smarter t**
**SOFTW**

## Tool Keeper Program

**Log-in:** Fingerprint sca
multilingual interface

Smarter search engine
with bar-code scan and
index words

The image for each
product can be added

he tool manager (task leader)
lease tools himself, hand
er to the operator, and even fill
ool release log whenever it is
ry.

# r site..?

**Leave everything
to Tool Keeper →** 3

Where various types of tools can get
mixed into different toolboxes often
causing the operator to mistakenly
receive incorrect product, resulting
in faulty workpieces.

than ever
WARE : V3

Management Program

Initial dashboard for
the charted status of
main materials

Notification available
for safety stock and
order management

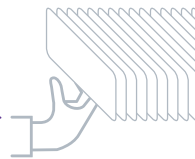Downloadable and
manageable statistics

Workspace a
Storage Manage
Tool Keepe

**Benefits when using our KORLOY server**

- Easy to release with the smart application
- Automatic backup & recovery
- Monthly report subscription

Tool Keeper Monitoring System

- **Monthly performance data search (Quantity/sum)**
- **Warehousing history and status search**
- **Computerization of statistical data (Application history, etc.)**

**More efficient tool management**
(Efficiency)

## Cost Reduction
Tool Keeper

**Computerization of statistical data**
(Accuracy)

**Increased individual productivity**
(Productivity)

- **Excess inventory prevented**
- **Safety stock secured**
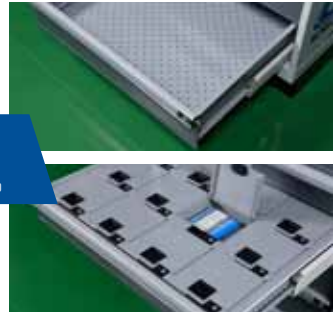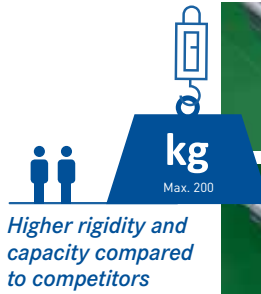- **Real-time inventory check**

- **No need for the tool release log**
- **Less operational redundancy of the tool manager**

**External I/F Interworking**

| Company name (initial) | Installation purpose | Results | Notes |
|---|---|---|---|
| D | • **Cost reduction** <br> • **Prevention of overstocking** | • Prevention of overstocking <br> → Decrease in tool purchase price (-15%) | Period of use: 1.0 year |
| K | • **Cost reduction** <br> • **Increased productivity** | • Facilities experienced less downtime due to stable tool management. <br> • Reduced tool consumption (-10%) | Period of use: 1.5 year |
| S | • **Unmanned release** <br> • **52 hours a week** | • No use of the tool release log <br> → Check with computer search instead <br> • Increased work efficiency per head (+10%) | Period of use: 1.0 year |

# Tool Keeper specifications

## Dimensions
(Width : Length : Height / with monitor)

1) 717 x 725 x 700 / **1,350mm**
2) 717 x 725 x 850 / **1,500mm**
3) 717 x 725 x 1,000 / **1,650mm**
4) 717 x 725 x 1,150 / **1,800mm**
5) 717 x 725 x 1,450 / **2,100mm**

*Higher rigidity and capacity compared to competitors*

**kg** Max. 200

| Height of each drawer | Code | Number of bins (EA) | | | Internal sizes of bins (mm) | | |
|---|---|---|---|---|---|---|---|
| | | Row | Column | Sum | Width | Length | Height |
| **75**mm | 75-A | 6 | 9 | 54 | 98 | 40.5 | 36 |
| | 75-B | 6 | 8 | 48 | 98 | 48.5 | 36 |
| | 75-C | 6 | 7 | 42 | 98 | 59.5 | 36 |
| | 75-D | 6 | 6 | 36 | 98 | 74.5 | 36 |
| | 75-E | 4 | 9 | 36 | 147.5 | 40.5 | 36 |
| | 75-F | 6 | 4 | 24 | 98 | 123 | 36 |
| | 75-G | 6 | 3 | 18 | 98 | 172.5 | 36 |
| | 75-H | 2 | 9 | 18 | 296.5 | 40.5 | 36 |
| | 75-I | 4 | 4 | 16 | 147.5 | 123 | 36 |
| | 75-J | 6 | 2 | 12 | 98 | 271.5 | 36 |
| | 75-K | 2 | 4 | 8 | 296.5 | 123 | 36 |
| | 75-L | 1 | 6 | 6 | 594.5 | 74.5 | 36 |
| **100**mm | 100-A | 6 | 6 | 36 | 98 | 74.5 | 61 |
| | 100-B | 6 | 4 | 24 | 98 | 123 | 61 |
| | 100-C | 6 | 3 | 18 | 98 | 172.5 | 61 |
| | 100-D | 4 | 4 | 16 | 147.5 | 123 | 61 |
| | 100-E | 6 | 2 | 12 | 98 | 271.5 | 61 |
| | 100-F | 2 | 4 | 8 | 296.5 | 123 | 61 |
| | 100-G | 1 | 4 | 4 | 594.5 | 123 | 61 |
| **150**mm | 150-A | 4 | 4 | 16 | 147.5 | 123 | 111 |
| | 150-B | 2 | 4 | 8 | 296.5 | 123 | 111 |
| | 150-C | 2 | 2 | 4 | 296.5 | 271.5 | 111 |
| | 150-D | 1 | 4 | 4 | 594.5 | 123 | 111 |

Height

Total height of drawers

Length

Width

# Application examples of Tool Keeper

- **Specification:** TK233-D1G1-B1C1D1-A1B1-001(8 Drawers)
- **Total number of bins:** 137 EA

| Type | | Number of bins per drawer (EA) | Unit | Capacity (EA) by size of each package internal sizes of bins (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Inserts | | | Endmills | | Drills | |
| | | | | Small(mm) | Medium(mm) | Large(mm) | 90*13*13 (mm) | 65*13*13 (mm) | 130*20*20 (mm) | 80*15*15 (mm) |
| Order of each drawer | Bin code | | | CNMG12 98*40*13 (mm) | DNMG15 138*55*15 (mm) | TNMM25 182*80*20 (mm) | | | | |
| 1st drawer | 75-D | 36 | EA/bin | 20 | 0 | 0 | 10 | 14 | 0 | 8 |
| | | | EA/drawer | 720 | | | 360 | 504 | | 288 |
| 2nd drawer | 75-G | 18 | EA/bin | 80 | 20 | 0 | 26 | 34 | 4 | 20 |
| | | | EA/drawer | 1,440 | 360 | | 468 | 612 | 72 | 360 |
| 3rd drawer | 100-B | 24 | EA/bin | 80 | 0 | 0 | 36 | 44 | 0 | 24 |
| | | | EA/drawer | 1,920 | | | 864 | 1,058 | | 576 |
| 4nd drawer | 100-C | 18 | EA/bin | 160 | 60 | 0 | 52 | 68 | 8 | 33 |
| | | | EA/drawer | 2,880 | 1,080 | | 936 | 1,224 | 144 | 594 |
| 5nd drawer | 100-D | 16 | EA/bin | 160 | 80 | 0 | 52 | 80 | 12 | 44 |
| | | | EA/drawer | 2,560 | 1,280 | | 832 | 1,280 | 192 | 704 |
| 6nd drawer | 150-A | 16 | EA/bin | 320 | 160 | 0 | 104 | 152 | 30 | 84 |
| | | | EA/drawer | 5,120 | 2,560 | | 1,664 | 2,432 | 480 | 1,344 |
| 7nd drawer | 150-B | 8 | EA/bin | 640 | 320 | 50 | 224 | 266 | 60 | 189 |
| | | | EA/drawer | 5,120 | 2,560 | 400 | 1,792 | 2,128 | 480 | 1,512 |
| 8nd drawer | LDC150 | 1 | EA/bin | 5,760 | 2,880 | 800 | 2,112 | 2,464 | 560 | 1,764 |
| | | | EA/drawer | 5,760 | 2,880 | 800 | 2,112 | 2,464 | 560 | 1,764 |
| Total number of bins | | 137 | EA/drawer | 25,520 | 10,720 | 1,200 | 9,028 | 11,702 | 1,928 | 7,142 |

※ Total storage may vary depending on Tool Keeper's specifications.

| Type | KORLOY | Competitor |
|---|---|---|
| Material | Steel plate | Plastic |
| Load weight | 200kg | 50kg |

- **Total weight:** Max 250 kg for 8 Drawers (It may vary depending on the number and size of drawers)
- **ADD type:** One PC installation allows control of 100 drawers and 1,000 bins
- **Voltage:** 220 VAC ± 10%
- **Network:** Integrated management through LAN or Wi-Fi connection
- **Spare unlock-keys included for drawers & bins**
- **The uninterrupted power supply and CCD camera are optional**
- **Higher-level control ERP, IT-integrated management DB are optional**
- **5-year warranty for hardware:** Cabinet and drawers
- **1-year warranty for control devices:** PC, Monitor, bar-code, fingerprint scan, drawer control card
- **Damage caused by misuse will be covered at an additional charge**

# Workspace and Storage Management Tool Keeper



## KORLOY