

# INNOVATIVE TOOL MANAGEMENT SYSTEM



Germany | India | Russia





## WHAT IS TOOL MANAGEMENT SYSTEM (TMS) ?

Tool management system or Tool Management is the transfer of all enterprise tool management functions to an external outsourcing company (Add engineering) with the use of special equipment for better productivity and optimization. Managing inventory and reducing costs within the manufacturing environment is the goal of our effective tool management system.



## WHAT ARE THE BENEFITS OF TOOL MANAGEMENT SYSTEM IMPLEMENTATION?

- Reduced Inventory Procurement Costs
- Improved Product Availability
- Reduced Tooling Wastage
- Improved Customer Relationship
- Enhance Calibration Tracking & Control
- Improved Productivity
- Guaranteed Availability
- Secure, Auditable Storage
- Automatic Procurement Capabilities
- Complete User Accountability

**100%**

**No equipment downtime due to absence of tools**

**30%**

**Reduction of time for Tool Turnover (order & delivery of tools)**

**50%**

**Reduction of time for necessary tools selection**

**100%**

**Total control over tools in online mode**

**24/7**

**Continual maintenance with uninterrupted manufacturing**

## MAIN OBJECTIVES OF TOOL MANAGEMENT



**1** Improved Customer Relationship

**2** Permanent Presence On Site

**3** Streamlined Contract Negotiation

**4** Unique Competitive Advantage

**5** Unparalleled Information Collection

**6** Provides Customer Retention  
and Loyalty

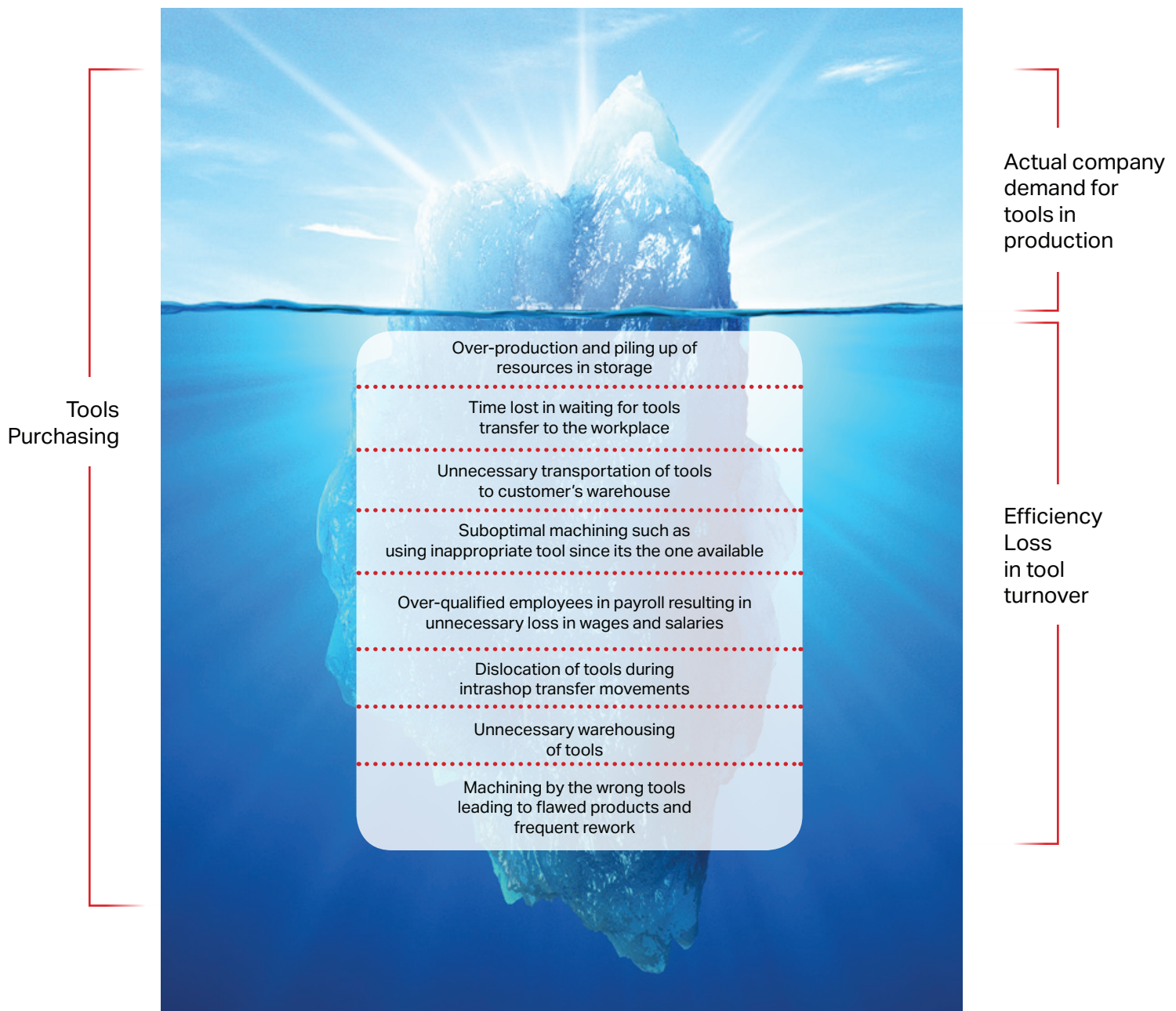
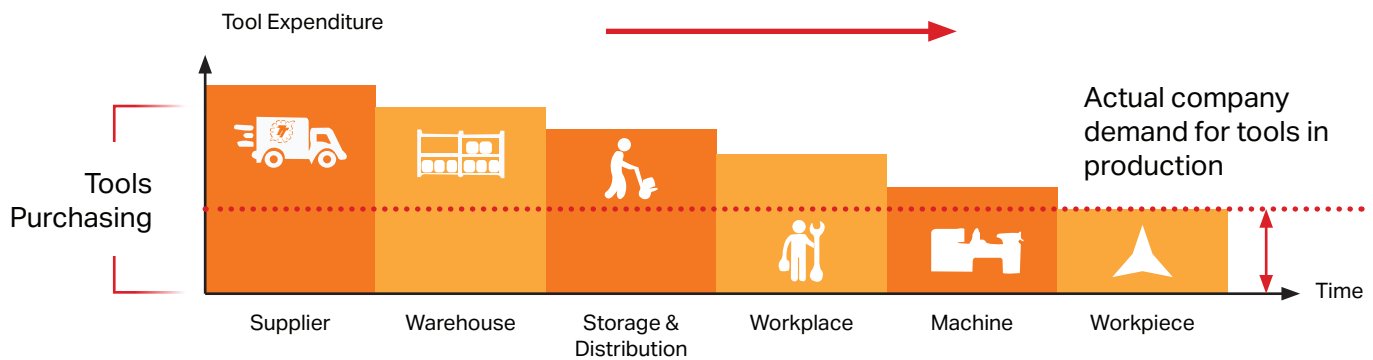
**7** Manageable Consignment Solutions

**8** Instant Sales Channel For New  
Products

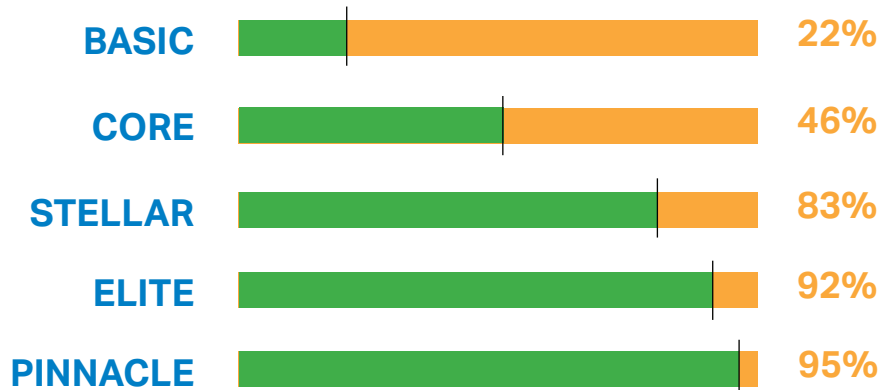
**9** Help you meet/exceed sales  
targets



## PITFALLS IN TRADITIONAL SYSTEMS



## TRADITIONAL SYSTEMS TOOL TURNOVER LOSSES



Losses	BASIC	CORE	STELLAR	ELITE	PINNACLE
Over-production and piling up of resources in storage	43%	50%	75%	92%	95%
Time lost in waiting for tools transfer to the workplace	15%	35%	92%	94%	95%
Unnecessary transportation of tools to customer's warehouse	23%	27%	90%	94%	96%
Suboptimal machining such as using inappropriate tool since its the one available	2%	60%	90%	94%	96%
Over-qualified employees in payroll resulting in unnecessary loss in wages and salaries	17%	33%	83%	92%	96%
Dislocation of tools during intrashop transfer movements	5%	8%	80%	88%	95%
Unnecessary warehousing of tools	33%	57%	92%	96%	96%
Machining by the wrong tools leading to flawed products and frequent rework	20%	60%	77%	87%	91%
Total reduction of tool turnover losses	22%	46%	83%	92%	95%

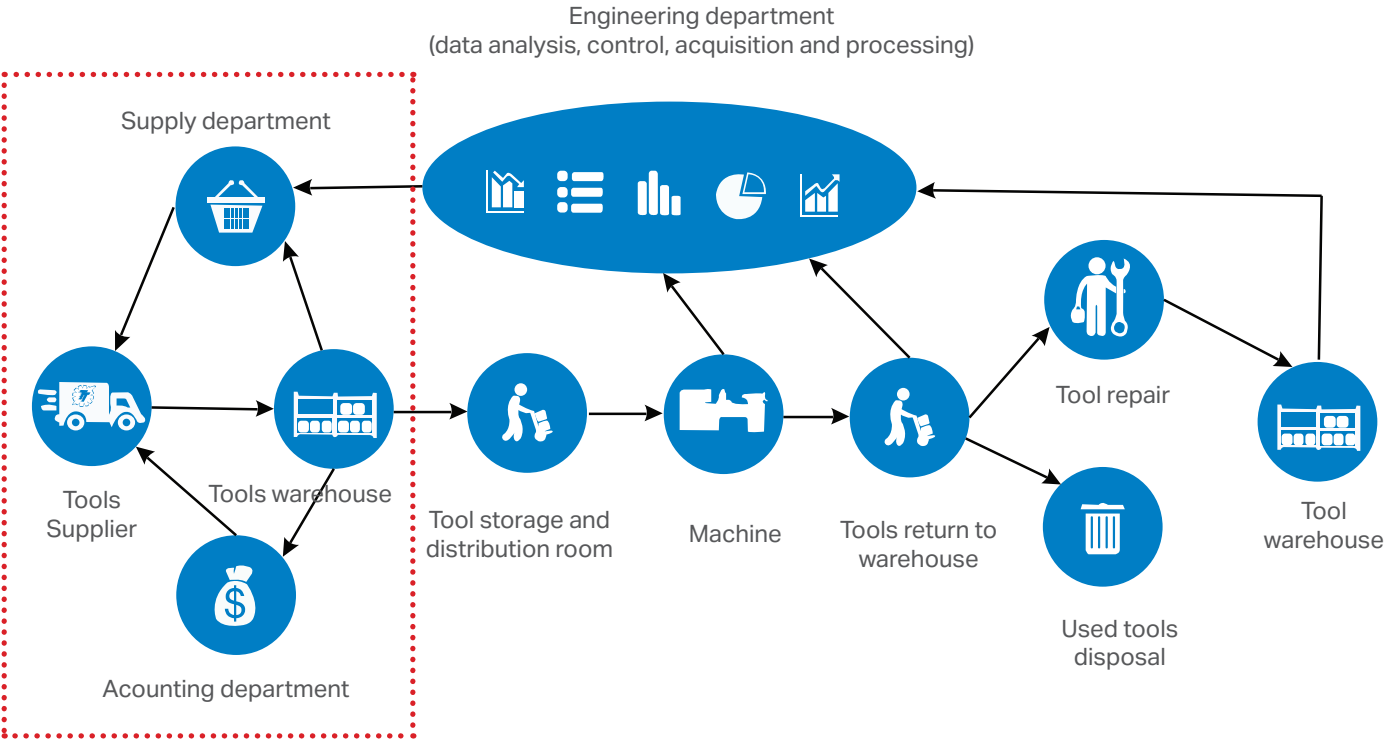


SPECIFICATIONS	BASIC	CORE	STELLAR	ELITE	PINNACLE
Automated accounting delivery and setup of storage system	●	●	●	●	●
Tools selection and Implementation	●	●	●	●	●
Delivery of tools on-time	—	●	●	●	●
Engineering consulting	—	—	●	●	●
Delivery of tools to the machine	—	—	●	●	●
Warehouse management	—	—	●	●	●
Tools cost reduction	—	—	—	●	●
Failure analysis	—	—	—	●	●
Verification of tools	—	—	—	—	●
Tools recovery and manufacture	—	—	—	—	●
Centralized tool regrinding and coating	—	—	—	—	●
Tools Disposal	—	—	—	—	●
Mutual settlements	—	—	—	—	●

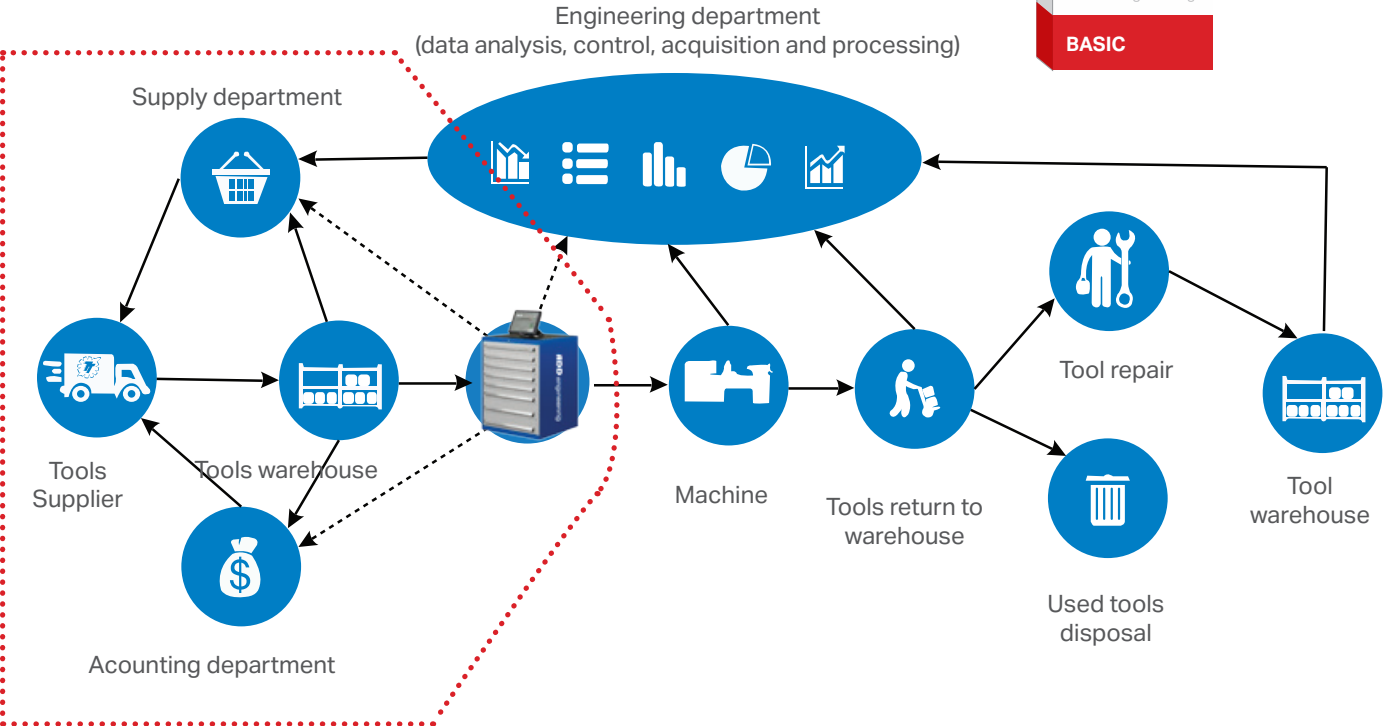
Price ● - provided — - not provided



TRADITIONAL TOOL TURNOVER



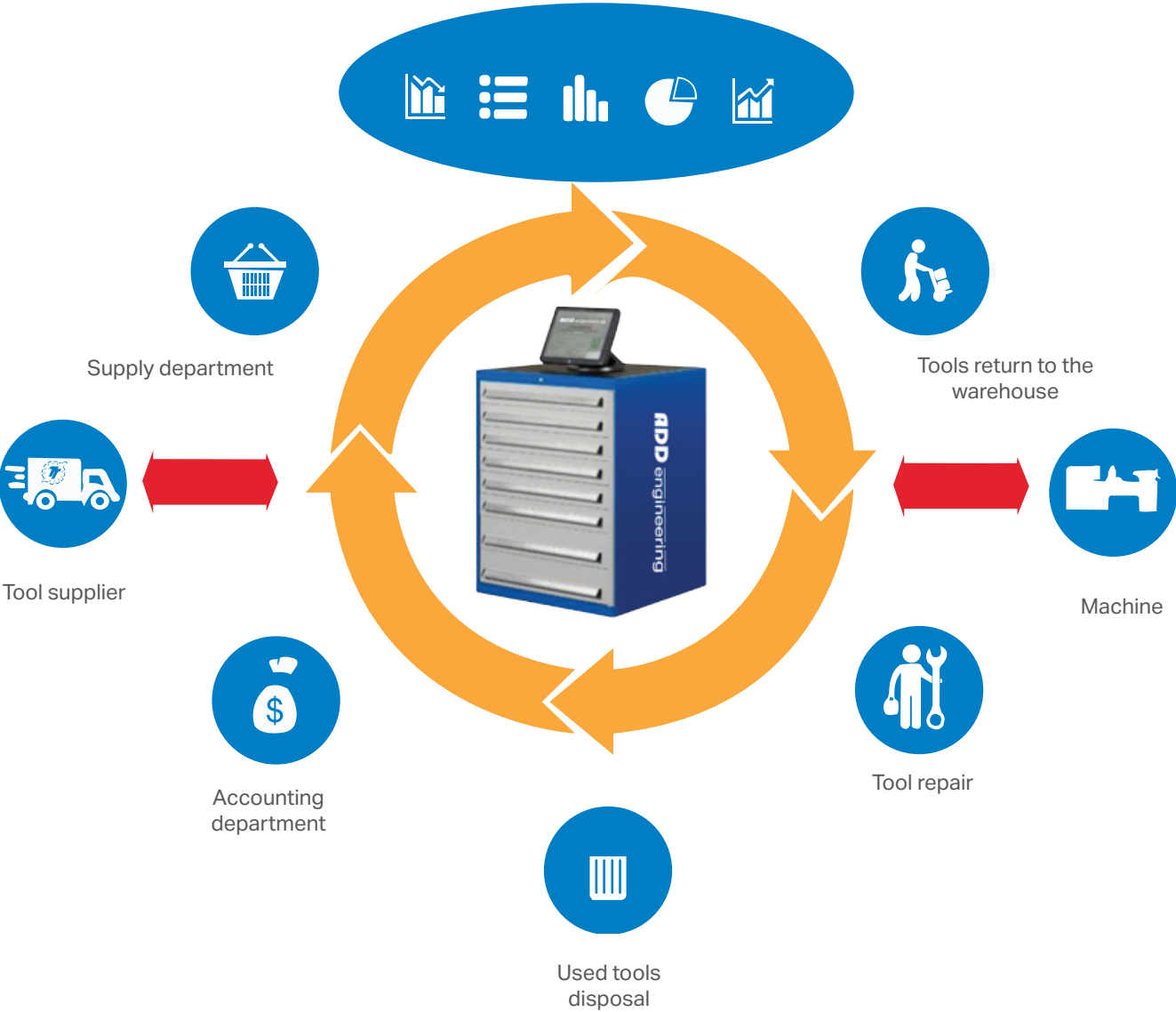
TOOL TURNOVER WITH THE BASIC PACKAGE



TOOL TURNOVER WITH THE PINNACLE PACKAGE



Engineering department  
(data analysis, control, acquisition and processing)



## PROJECT IMPLEMENTATION STEPS

1

### **CONDITIONS & REQUIREMENT ANALYSIS: AN AUDIT OF CURRENT SYSTEM**

(Business process audit - document flow, tool order flow process, stages of tool management)



2

### **EXISTING SYSTEM DEFINITION: A TECHNOLOGY AUDIT**

(Tools stock rationing, Tools unification, Usage & Methods)



3

### **TOOL MANAGEMENT SYSTEM PACKAGE SELECTION**

Choose a package from the available models in discussion with the customer and formalize the model process: Basic, Core, Stellar, Elite, Pinnacle



4

### **REWORK THE ORGANIZATION STRUCTURE ON RECOMMENDATIONS FROM INITIAL ANALYSIS AND STUDY**



5

### **BUILD & DEVELOP THE PROJECT INTERFACE**

Match and synchronize information fields between the customer database and selected tool management system



6

### **PILOT & MANAGE THE TOOL MANAGEMENT SYSTEM**

Fit the tool management system with all necessary resources from automated tool storage rooms to devices for measurement and adjustment, etc.



7

### **IMPLEMENT & LAUNCH TOOL MANAGEMENT SYSTEM**

Install all necessary equipment, interface and launch the tool management system for the customer with optimization and cost reduction advantages

- "One-stop shop" for managing all processes regarding tool provision and its maintenance at all stages of its life cycle
- Accurate planning of tool purchases
- Optimization of purchasing budget
- Unification of tools
- Constant accounting of tools at all the stages of its life cycle
- Ascertaining of tool expenditure rates
- Maintenance and actualization of reserve stock level
- Elimination/minimization of a downtime due to lack of the required tools at a necessary operation of the technological cycle
- Tool management system scalability (shop area, shop, manufacture, factory)



## INTRODUCTION :

- A versatile and a highly reconfigurable automated dispensing system, 28 LEVEL is suitable for almost any application and industry. Combined with the ADD TMS software suite the 28 LEVEL provides a powerful and secure solution to inventory control and management. With built in reporting and audit trail, the ADD TMS is an essential part of your supply chain solution.

## 28 LEVEL PROVIDES :

- 24/7 availability of items
- Accurate accountability & control of inventory
- Reduced operating costs
- Increased productivity
- Optimised inventory levels



## FEATURES :

- Reconfigurable
- Unique Manual Override Facility
- Security
- Compatibility
- Efficiency
- Expandability
- Accountability And Traceability
- High Speed Access
- Diagnostics
- Future Proof

## SPECIFICATIONS:

<b>CAPACITY</b>	As a stand alone machine: - 26 levels - 104 locations (max) - 1248 compartments (max)As an add on frame: - 28 levels - 113 locations (max) - 1345 compartments (max)
<b>DRAWERS</b>	All drawers can be configured with 1,2,3,4,6 or 12 compartments
<b>COLOR FRAME</b>	Blue (other colours available on request) Drawer - Grey or White
<b>DIMENSIONS</b>	(D x W x H ) mm 510 x 545 x 2000 CORE Drawer Options Non CORE drawers sizes area available on request



## INTRODUCTION :

- ROTOPOINT provides a scaleable and cost effective solution for the secure management of a wide range of high and low usage items. It's high capacity makes it ideal for the management and control of PPE and MRO consumables.

## ROTOPOINT PROVIDES :

- 24/7 availability of items
- Accurate accountability and control of inventory
- Reduced operating costs
- Increased productivity
- Optimised inventory levels



## FEATURES :

- Low To High Volume
- Secure Return Capability
- Security
- Manual Override
- Efficiency
- Accountability
- Expandability
- Compatibility

## SPECIFICATIONS :

<b>DIMENSIONS</b>	1030mm x 1030mm x 2010mm (with the lid) Machine can be disassembled for transportation and installation
<b>POWER</b>	240v
<b>WEIGHT CAPACITY</b>	250Kg Uniform Distributed Load

## INTRODUCTION :

- Versatile and flexible, LID incorporates many unique features and when combined with our powerful ADD TMS inventory management software provide the most comprehensive inventory management solution available in the market today.

## LID PROVIDES :

- 24/7 availability of items
- Substantial operational cost savings
- Optimised inventory levels
- Minimised production downtime



## FEATURES :

- Reconfigurable
- Unique Manual Override Facility
- Drawer Access Options
- Efficiency
- Security
- High Speed Access
- Traceability
- Expandability
- Module Opening

## SPECIFICATIONS :

<b>BASIC UNIT CONSTRUCTION</b>	<ul style="list-style-type: none"><li>➤ Robust steel construction</li><li>➤ Four sided top tray with anti-roll function</li></ul>
<b>DRAWER BODY CONSTRUCTION</b>	<ul style="list-style-type: none"><li>➤ Folded pan construction, stiff and distortion free, no sharp edges and no dirt traps</li><li>➤ Telescopic drawer runners allow 100% opening of drawers, maximising available space</li><li>➤ Ergonomic handles that can be gripped from above or below</li></ul>
<b>WEIGHTS: MAX DRAWER LOAD CAPACITY</b>	<ul style="list-style-type: none"><li>➤ CORE drawer (Uniform Distributed Load): 90kg</li><li>➤ LID drawer (Uniform Distributed Load): 120k</li></ul>

