

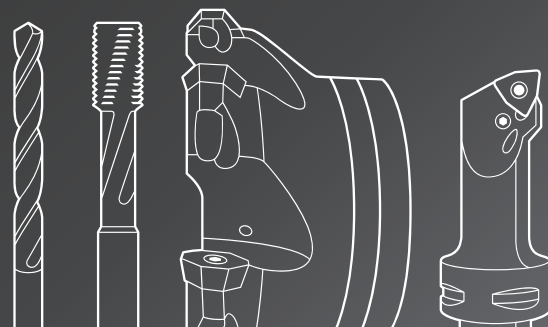


# Tool Supply System

# Walter Networkline

Cost-effective tool dispensing  
for your production.

Walter Multiply Logistic Solutions



## Individual. Available. Transparent.

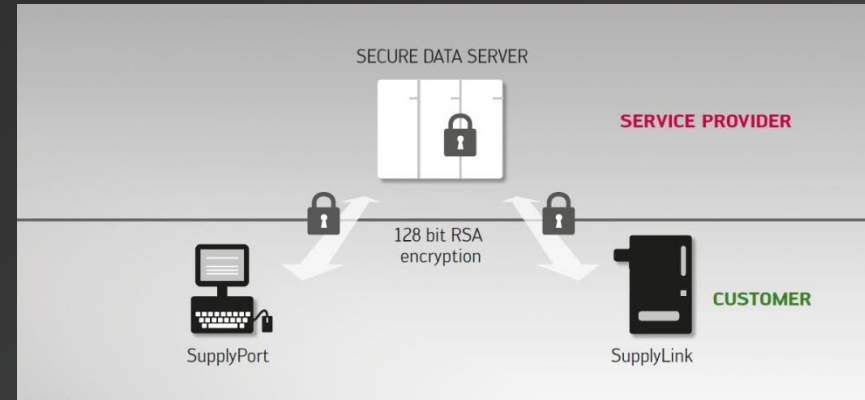
- Reduced tool stock size
- Production equipment available at all times
- Fewer production downtimes
- No unnecessary “black stocks” or stocks that have just been “left lying around somewhere”
- Shorter travel distances from store to machine

# Concept

## Highly efficient storage organization – fast, reliable and in real time

Web-based administration interface Supply Port supports you in managing user rights, the material master data for your tools and measuring equipment, your minimum stock levels, and much more.

The easy-to-use touchscreens and intuitive Supply Link interface make the dispensing machines themselves a real asset.

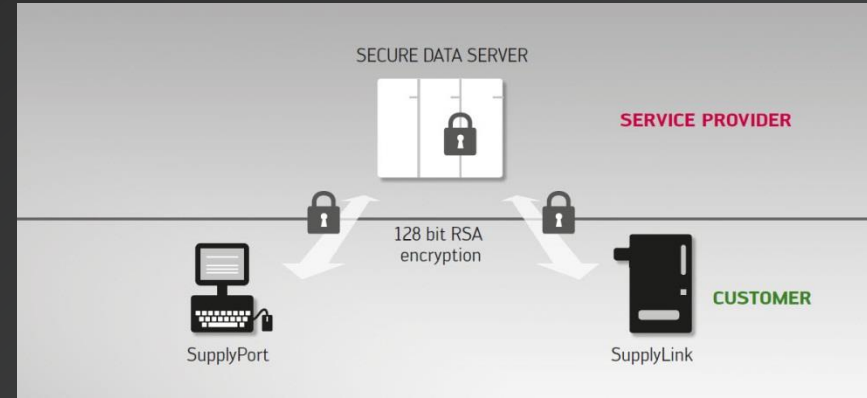


Supply Port	Supply Link
Managing product and master data	Tool retrieval and -returning
Management of Product Kits and loan tools	Replenishment of used tools and storing new products
Assignment of product / access rights	Removing of discontinued products
A multitude of different analysis options	Stock inventory
Supplier management	Deleting incorrect entries
Management of purchase requisitions	
Structured user administration	

# Concept

## Simple, innovative: Web-based Data Management

- System maintenance is already covered by the user fee
- Updates are automatically installed without any additional charges
- No need to install any additional software
- Unlimited storage capacity (memory)
- No need to provide local IT resources
- No need for local back-up management
- Data availability guaranteed at all times



# Layout Example



# Drawer type tool dispensing system

- Individual compartment locking system
- More than 20 different compartment sizes available
- 15" touchscreen
- Barcode scanner (optional)
- Magnetic card/RFID reader (optional)
- Clear height: 900/1050 mm
- Weight: 200-350 kg (unloaded)
- Dimensions (W x D x H): 720 mm x 730 mm x 1520 mm



# Drawer type tool dispensing system



## Drawer System

- Cost-effective system for tools with low tool change frequency
- Highly flexible and individually adaptable to your tools
- Tools can be removed and recycled by the machine operator
- Management of loan tools and measuring equipment

# Compartment types



2 Lid  
275 x 528 mm



4 Lid  
275 x 241 mm



8 Lid  
126 x 241 mm



12 Lid  
274 x 56 mm



16 Lid  
126 x 102 mm



24 Lid  
125 x 56 mm



24L Lid (long)  
190 x 28 x 25 mm



36 Lid  
92 x 28 x 25 mm (24x)  
190 x 28 x 25 mm (12x)



48 Lid  
92 x 28 x 25 mm



SBD II  
127 x 60 x 19 mm



# Spiral type tool dispensing system

- Six levels with max. 10 spirals
- More than five types of spiral
- Wide range of different accessories for individual requirements
- 12" touchscreen
- Barcode scanner (optional)
- Magnetic card/RFID reader (optional)
- Weight: 350 kg (unloaded)
- Dimensions (W x D x H): 1041 mm x 830 mm x 1930 mm



# Spiral type tool dispensing system

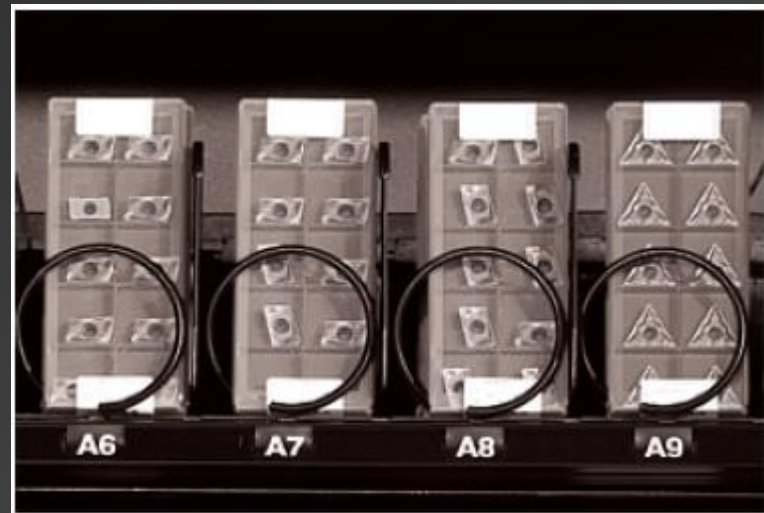


## Spiral System

- Extremely effective system for consumable tools with a high rate of turnover
- Ideal for storing indexable inserts
- 100 % removal control
- Return compartment for recycling tools
- Wide range of different accessories for individual requirements

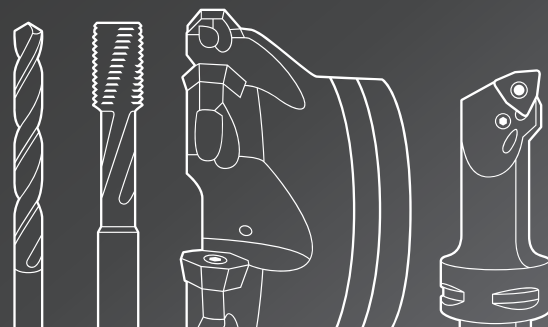
# Spiral types

Type	Pitch (mm)	Possible packaging units	Width (mm)
30 pitch	12	30	60
24 pitch	19	24	60
18 pitch	25	18	60
15 pitch	31	15	60
12 pitch	38	12	60
9 pitch	57	9	60
6 pitch	75	6	60



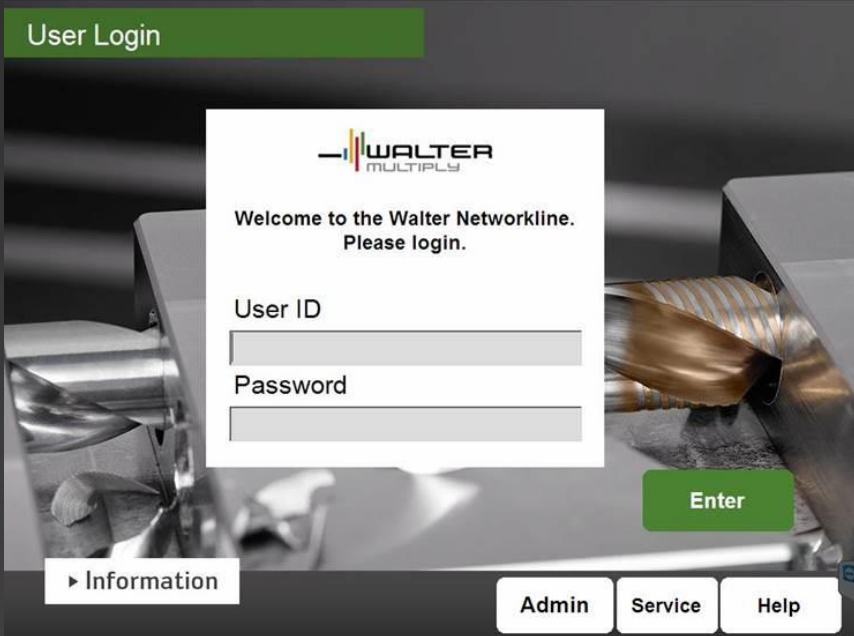
# Software SupplyLink

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# SupplyLink – User Login

User may login by using on-screen keyboard, Barcodescanner (optional) or Proximity Reader (optional).



User Login

 **WALTER**  
MULTIPLY

Welcome to the Walter Networkline.  
Please login.

User ID

Password

Enter

► Information

Admin Service Help

# SupplyLink – Select Product

The software comes with a powerful search function, which allows a simple, easy and quick tool search.

For instance the tool selection can be executed by the below mentioned criteria:

- Customer article number
- Supplier article number
- Tool description
- Supplier barcode
- By workpiece
- By operation


Select Product

WALTER

FIND: 0568498789

Transactions

Product Category

 ADMT120408R-D56 WKP35S P/N: 5886237  
Vendor: Walter Deutschland GmbH STK:  
Walter SAP Number: 5886237 Barcode: 0568498789  
Unit of Issue: EA Device Type: Virtual

Admin Menu

Logout

# SupplyLink – Select „Take“ or „Return“

**Drawer devices provide the opportunity to take and return tools. This functionality is typically used for the following items:**

- Adapters
- Tool holders
- Unused inserts
- MRO articles
- Loan articles
- Measurement equipment

The screenshot displays the 'Select Product' interface. At the top, there is a green header bar with the text 'Select Product' and the WALTER logo on the right. Below the header, a light gray box contains product information: 'ADMT120408R-D56 WKP35S' with 'STK:' to its right, 'P/N: 5886237' with 'Unit of Issue: EA' to its right, and 'Walter SAP Number: 5886237' with 'Barcode: 0568498789' to its right. Below this box, the text 'Select an action:' is followed by two green buttons labeled 'Take' and 'Return'. At the bottom left is a green 'Back' button. At the bottom right are two stacked green buttons labeled 'Admin Menu' and 'Logout'.

ADMT120408R-D56 WKP35S	STK:
P/N: 5886237	Unit of Issue: EA
Walter SAP Number: 5886237	Barcode: 0568498789

Select an action:

Take Return

Back


Admin Menu

Logout

# SupplyLink – Enter Quantity

The tool withdrawal can be executed per piece or packaging unit.

Take



ADMT120408R-D56 WKP35S

STK:

P/N: 5886237

Unit of Issue: EA

Walter SAP Number: 5886237

Barcode: 0568498789

Confirm product and enter quantity.

Stock Location: A1

Enter Quantity: 1

Back

Done

Admin Menu

Logout

Touch inside the edit field to activate keyboard.




# SupplyLink – Consumption Allocation

The allocation of tool withdrawals and returns can be established based on user demands. For instance:

- Cost center
- Machine
- Operation
- Workpiece
- Job Number

Login Allocation Codes



Cost Center

FIND: 

clr

Turning  
503040

Milling  
503045

Back

Next

Admin Menu

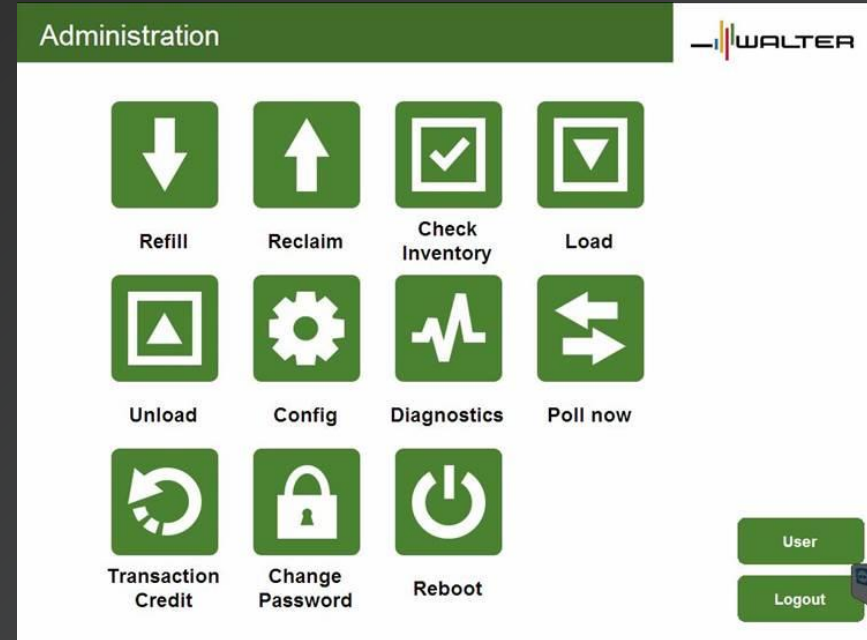
Logout

Touch inside the edit field to activate keyboard.

# SupplyLink – Administration Menu

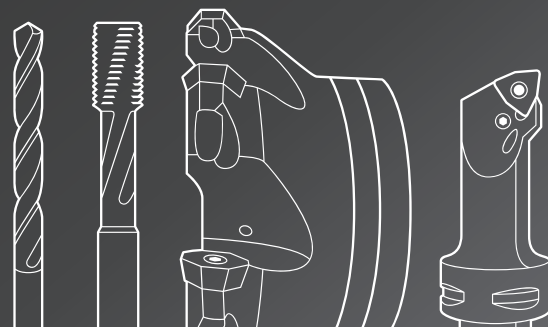
**All relevant functions to administer the device are clearly arranged under the Administration Menu:**

- Load of new items
- Unload of items which will not be used anymore
- Refill
- Reclaim
- Transaction Credit (Cancellation of picking errors)
- Poll now
- Diagnostics



# Functions

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# SupplyPort – Reports

## Consumption Reports

- by Allocation Code (e.g. Cost Centers)
- by tool, device, user, facility, etc.

## Inventory Reports

- Current Inventory
- Inventory Turnover by Part and Device

## Booking History Reports

- Raw Transactions

## Additional Reports

- Miscellaneous Reports for Measurement Equipment, Loan Products, Users, etc.

The screenshot displays the 'Consumption Snapshot by Allocation Code and Product Report' interface. At the top, there is a header with the 'Sp' logo and the report title. Below this, the main form is organized into several sections:

- Select Date Range:** Includes 'From' and 'To' date pickers. The 'From' date is set to 2015-11-18 at 12:00 AM, and the 'To' date is 2015-11-25 at 12:00 AM. A 'Scheduling Note' box explains that the date range will be converted into a 'rolling' date range for scheduled reports.
- Select Filters:** Contains dropdown menus for 'Device' (with options like 'All Devices', 'Moved to Fertigung 13511', 'TC') and 'Area' (with options like 'All Areas', 'Fertigung', 'TC Tuebingen'). There is also a 'Vendor Name (Code):' field and a 'Show:' label.
- Include Transactions with no Allocation Code:** A checkbox option.
- Select Allocation Code Columns:** Includes a 'Cost Center' checkbox and a field to specify 'Only show records where: [Choose Allocation Code] contains: [Enter all or part of an Allocation Code value]'.
- Select Sort Order:** A dropdown menu set to 'Part Number'.
- Select Optional Columns:** A section with multiple checkboxes for various data points, including 'Walter SAP Number', 'Barcode', 'Menu Number', 'Net Qty (pieces)', 'Net Qty (UoP)', 'Price/piece', 'Purchase Price', 'Return Amount', 'Return Qty', 'Return Qty (pieces)', 'Return Qty (UoP)', 'SubVendor', 'Take Amount', 'Take Qty', 'Take Qty (pieces)', 'Take Qty (UoP)', and 'Take Qty (UoP)'.

# SupplyPort – Reports

User can select from a wide range of various reports. To cover special customer requirements several optional fields can be added.

Each report can be triggered on demand from any terminal equipment which is connected to the internet. Alternatively the system offers the opportunity to send the reports on defined dates or interval to an email account.

Consumption Snapshot by Product Report

Page Size: 50 27 items in 1 pages

Product Name	Part No.	Net Qty	Amount
> A348T-14	T1	3	927.00 €
> ADOT120430R-03T WMP355	585592	80	361.50 €
> ADOT120430R-03S WMP35	58671234	2	31.50 €
> ADOT120430R-03S WMP355	5865	15	2.640.00 €
> CNM120412-NRF WPP10-L01	CNM120412-NRF WPP10-L01	1	50.00 €
> CNM120412-NRF WPP10-L02	L02-83	1	50.00 €
> DNW105405-NM4 WPP20-L01	DNW105405-NM4 WPP20-L01	1	60.00 €
> DNW105405-NM4 WPP20-L02	L02-82	1	70.00 €
> GEWINDEFASER MEHRZAHN	STO-32424-748	1	125.00 €
> H3084718-6-IRECON-L01	H3084718-6-IRECON-L01	5	125.00 €
> H3084718-6-L01	H3084718-6-L01	1	65.00 €
> H3084718-6-L02	L02-81	1	100.00 €
> H3084718-6-L02-R	L02-81-R	5	150.00 €
> L01-PR003-D20.00R WMP35	L01-PR003-D20.00R	1	20.00 €
> L01-0N2X1204AN-F3T WMP35	L01-0N2X1204AN-F3T	1	120.00 €
> P485P-AB-45T WPP35	Customer No. 1234	2	84.00 €
> PR003-D17.00R WMP35	5656180	1	10.00 €
> PR003-D16.00R WMP35	L02-PR003-D16.00 WMP35	1	12.00 €
> PR003-D18.00R WMP35 L03	5629144 L03	3	90.00 €
> REBHÄHNENASCHENEN	STO-180304-760	1	63.00 €
> SC-Einzel	H3084718-6-L02	1	60.00 €
> SC-Einzel Rezon	H3084718-6-L02-Rez	5	250.00 €
> SCHARAUBEN-TORX	STO-170501-790	2	127.00 €
> SCHARAUBEN-TORX	STO-170502-790	1	63.00 €
> Tapp-Gründel 1	801123304	1	10.00 €
> WCHT540208-PFA WPP10	574159-947	3	210.00 €
> WENDEPLATTEN-FORM-A	STO-331501-647	3	13.50 €
		143	5.873.10 €

Page Size: 50 27 items in 1 pages

# Areas

**A defined Area is a description. It may represent any segmentation as best suited for the client. For instance:**

- Facility
- Department
- Cost Center
- Group of Machines

**Every site has at least one Area to which at least one device is associated. Areas may also be used to manage user access to devices or to create reports related to specific areas.**



# User Management

**All users in the Walter Networkline system are assigned a permission set which defines what they are allowed to do and see, both at the machine and on the software.**

**The User Group that is assigned to each person defines what their permissions are.**

**Generally the User Management can be divided in three different groups:**

- Administrator
- Restock
- Operators

**User Group 1**



**User Group 2**



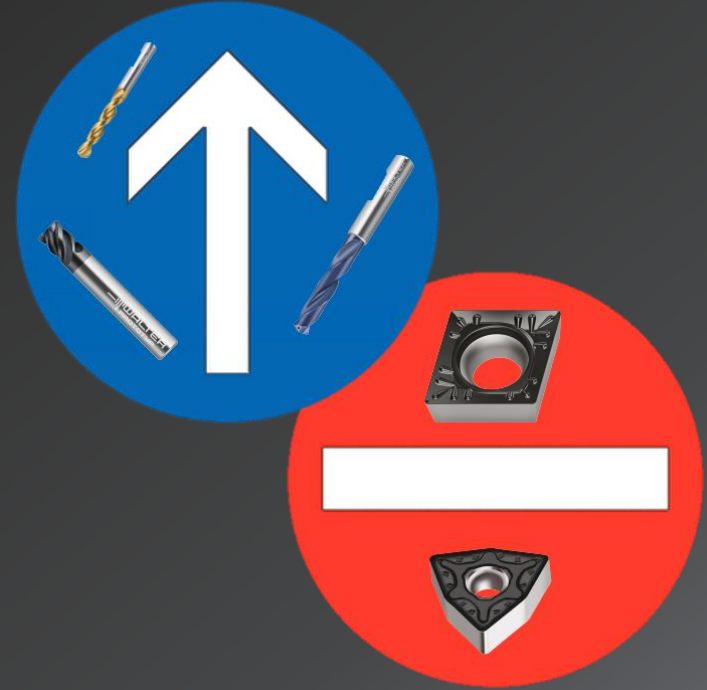
**User Group 3**



# Product Access Groups

**Product Access Groups (PAGs) are used to control the product access and quantity limits that users are allowed.**

**Access can be defined per part number with unlimited quantity and/or can also have quantity limits applied per part number for a defined business period (e.g. 5 pieces per week or 1 piece per month).**



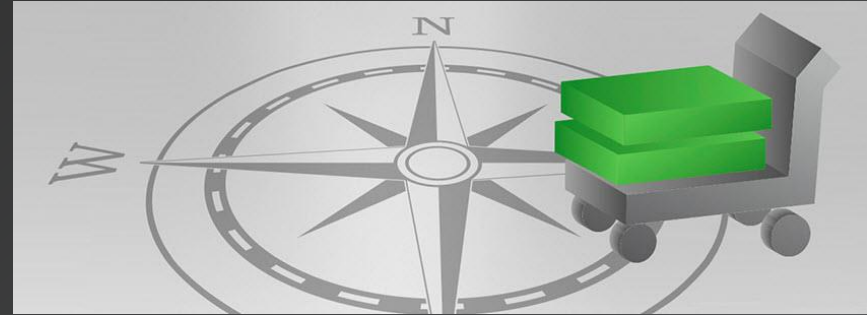


# Orders

**The Walter Networkline can automatically reorder tools which have reached their reorder point.**

**This ensures that tools will be available in time and eliminates the risk of running out of stock.**

**Orders can be transferred in different file formats to persons or directly to ERP-Systems.**



# Virtual Inventory Module (VIM)

**The optional available Virtual Inventory Module (VIM) allows to track transactions for tools not physically within a Walter Networkline device. Items are easily tracked with full reporting capabilities.**

## **For instance:**

- Tool assemblies
- Grinding wheels
- Spare parts
- Loan articles
- Measurement equipment
- MRO articles



# References





**Engineering Kompetenz**

