

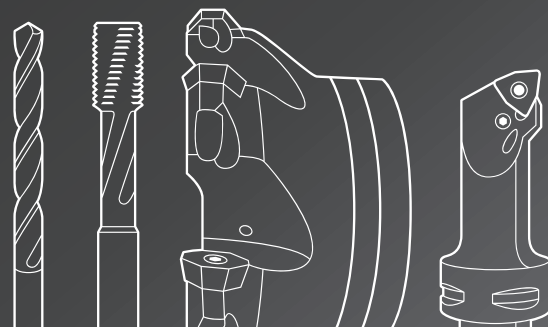


Tool Supply System

Walter Networkline

Cost-effective tool dispensing
for your production.

Walter Multiply Logistic Solutions



Individual. Available. Transparent.

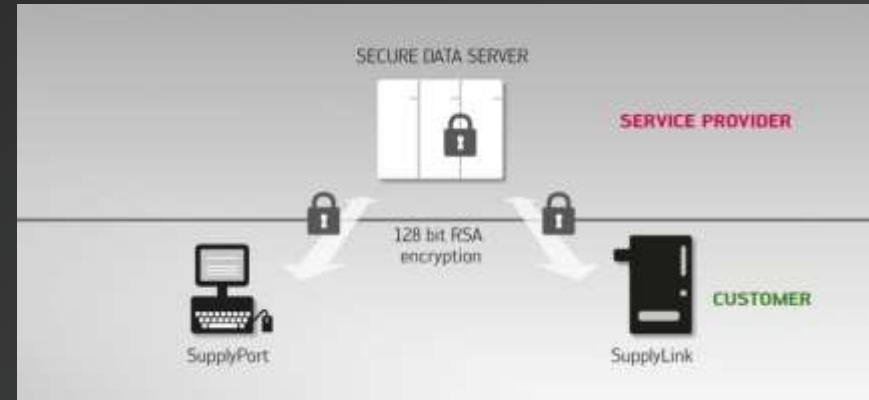
- Reduced tool stock size
- Production equipment available at all times
- Fewer production downtimes
- No unnecessary “black stocks” or stocks that have just been “left lying around somewhere”
- Shorter travel distances from store to machine

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.

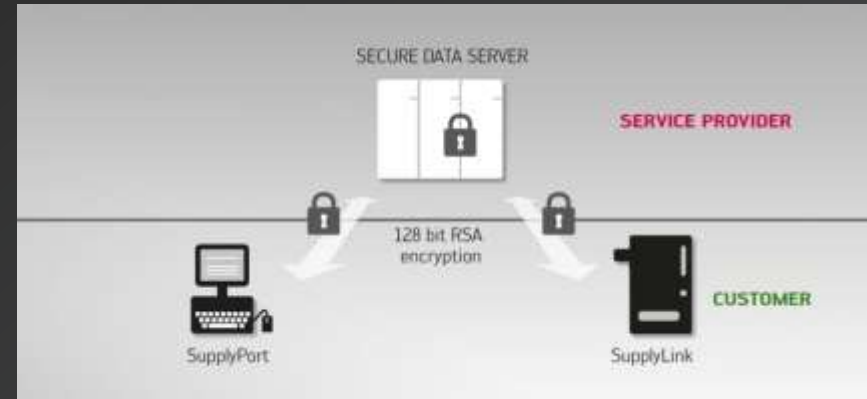


Supply Port	Supply Link
Managing product and master data	Tool retrieval and -returning
Management of Product Kits and loan tools	Replenishment of used tools and storing new products
Assignment of product / access rights	Removing of discontinued products
A multitude of different analysis options	Stock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

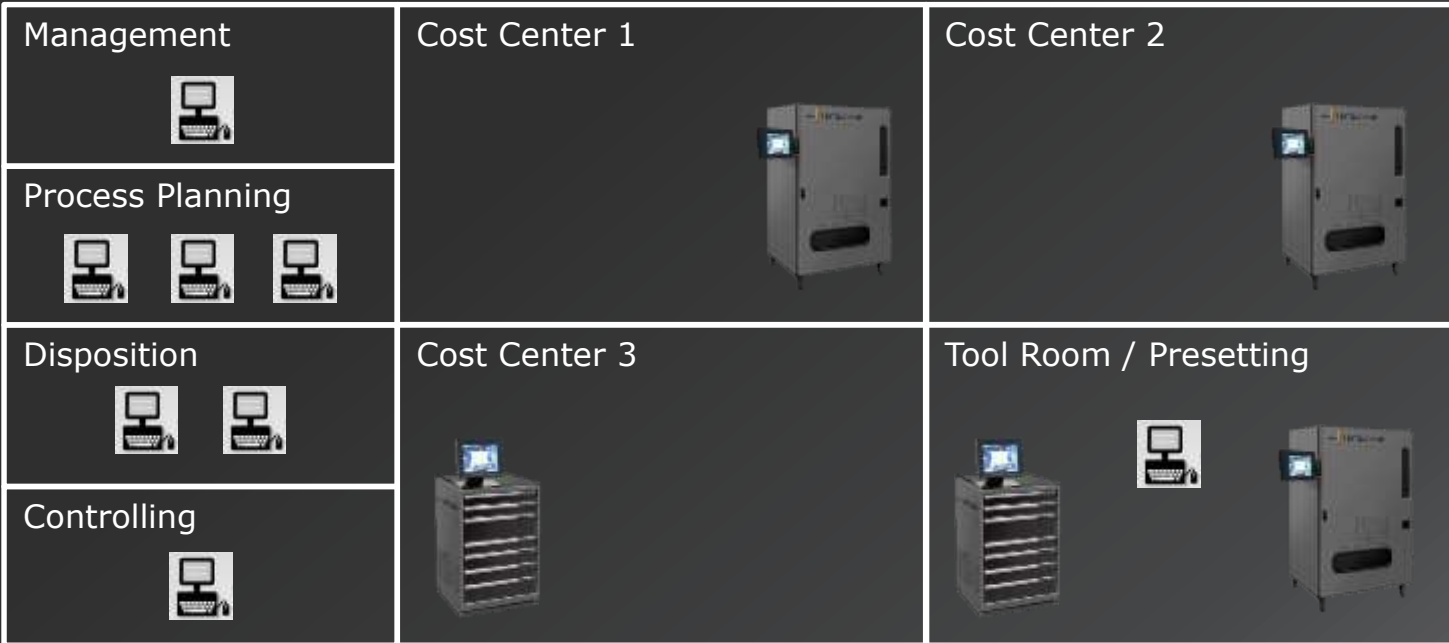
Concept

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



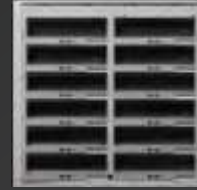
2 Lid
275 x 528 mm



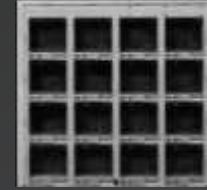
4 Lid
275 x 241 mm



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

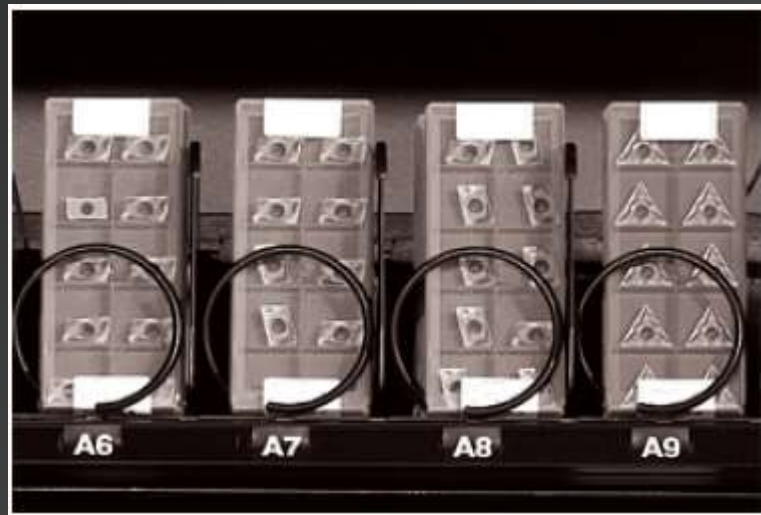


Spiral System

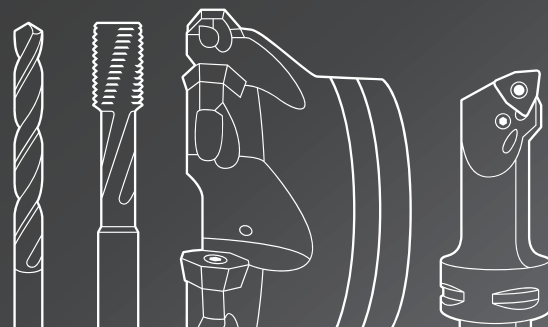
- Extremely effective system for consumable tools with a high rate of turnover
- Ideal for storing indexable inserts
- 100 % removal control
- Return compartment for recycling tools
- Wide range of different accessories for individual requirements

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

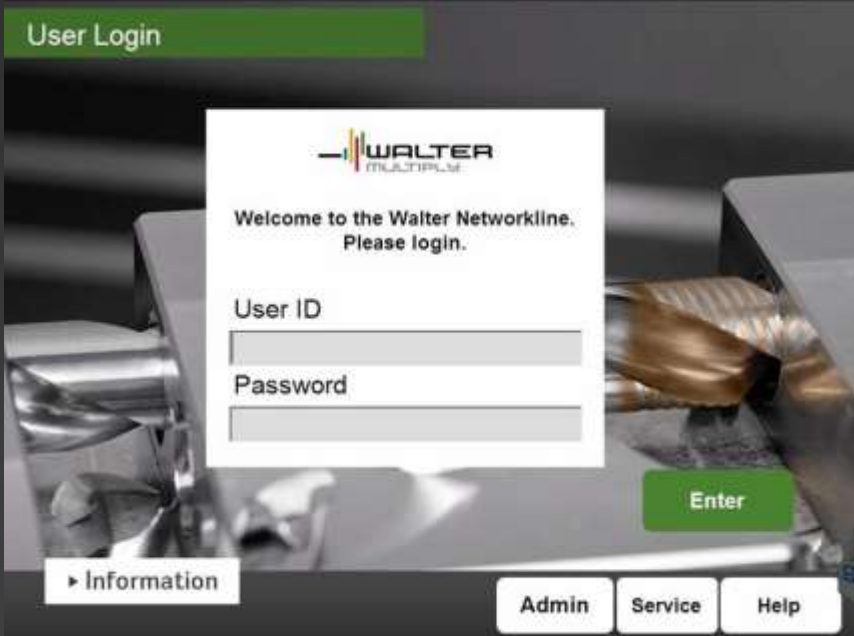


Software SupplyLink



SupplyLink – User Login

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



User Login

WALTER
MULTIFLY

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

FIND:

 WALTER

Transactions

Product Category

 ADMT120408R-D56 WKP35S P/N: 5886237
STK:

Vendor: Walter Deutschland GmbH
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 with the text 'Select Product' and the WALTER logo on the right. Below the header, a white box contains product information: 'ADMT120408R-D56 WKP358' 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 information, the text 'Select an action:' is followed by two green buttons labeled 'Take' and 'Return'. At the bottom left, there is a green 'Back' button. At the bottom right, there are two stacked green buttons labeled 'Admin Menu' and 'Logout'.

SupplyLink – Enter Quantity

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

Take 

ADMT120408R-D56 WKP358 STK:

P/N: 5886237 Unit of Issue: EA

Walter SAP Number: 5886237 Barcode: 0568498789

Confirm product and enter quantity.

Stock Location:

Enter Quantity:

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:

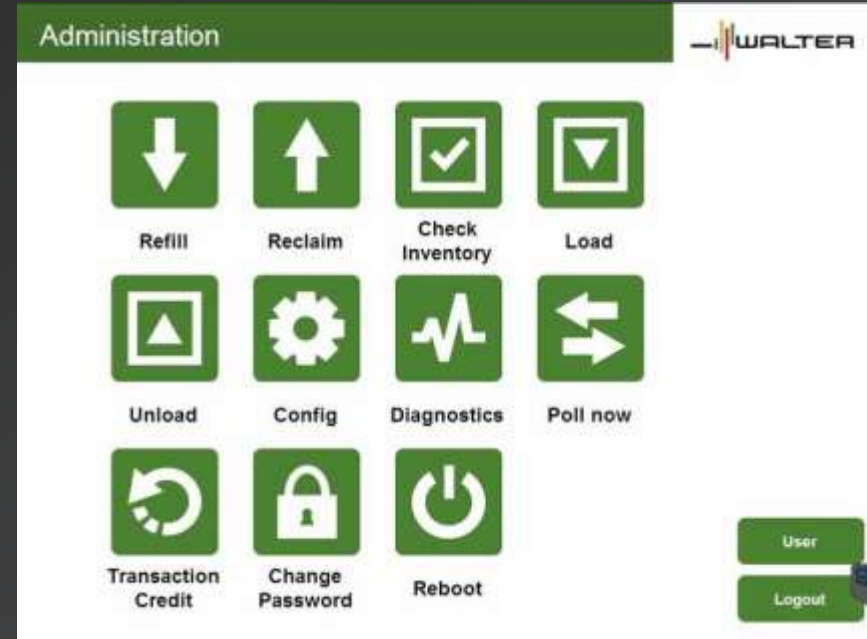
- Cost center
- Machine
- Operation
- Workpiece
- Job Number

The screenshot displays the 'Login Allocation Codes' screen. At the top, there is a green header with the text 'Login Allocation Codes' and the 'WALTER' logo on the right. Below the header, the title 'Cost Center' is centered. A search field labeled 'FIND:' is present, with a 'clr' button to its right. Below the search field, a list of results is shown: 'Turning 503040' and 'Milling 503045', each on a separate line with a yellow background. At the bottom of the screen, there are three green buttons: 'Back', 'Next', and 'Admin Menu'. Below the 'Admin Menu' button is a 'Logout' button. A small instruction at the bottom center reads 'Touch inside the edit field to activate keyboard.'

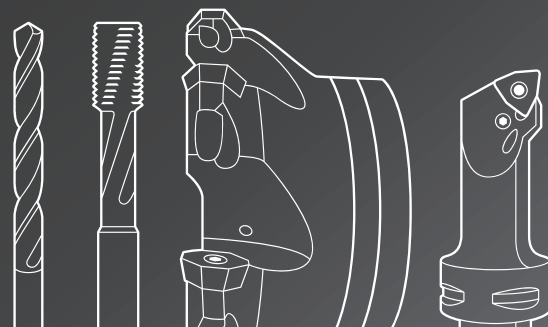
SupplyLink – Administration Menu

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



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 red 'Sp' logo and the report title. Below the title, the 'Select Date Range' section shows 'From: 2015-11-18 at 12:00 AM' and 'To: 2015-11-25 at 11:00 AM'. A 'Scheduling Note' box provides instructions on how the date range is converted. The 'Selected Filters' section includes dropdown menus for 'Device' (set to 'All Devices') and 'Area' (set to 'All Areas'). Below this, there are checkboxes for 'Include Transactions with no Allocation Code' and 'Cost Center'. The 'Only show records where' section has a dropdown for 'Choose Allocation Code' and a text input for 'Enter all or part of an Allocation Code value'. The 'Select Sort Order' section has a dropdown for 'Part Number'. The 'Select Optional Columns' section is divided into four columns: 'Select All', 'Select Unit Of Issue Columns', 'Select Unit Of Purchase Columns', and 'Select Piece Quantity Columns'. Each column contains several checkboxes for various data points like 'Water SAP Number', 'Purchase Price', 'Sal/Vendor', etc.

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.



The screenshot displays a software interface with a list of reports. The interface includes a search bar at the top, a table with columns for report names, descriptions, and dates, and a sidebar on the left. The table contains the following data:

Report Name	Description	Date
REPORT 1	REPORT 1	2014-01-01
REPORT 2	REPORT 2	2014-01-01
REPORT 3	REPORT 3	2014-01-01
REPORT 4	REPORT 4	2014-01-01
REPORT 5	REPORT 5	2014-01-01
REPORT 6	REPORT 6	2014-01-01
REPORT 7	REPORT 7	2014-01-01
REPORT 8	REPORT 8	2014-01-01
REPORT 9	REPORT 9	2014-01-01
REPORT 10	REPORT 10	2014-01-01
REPORT 11	REPORT 11	2014-01-01
REPORT 12	REPORT 12	2014-01-01
REPORT 13	REPORT 13	2014-01-01
REPORT 14	REPORT 14	2014-01-01
REPORT 15	REPORT 15	2014-01-01
REPORT 16	REPORT 16	2014-01-01
REPORT 17	REPORT 17	2014-01-01
REPORT 18	REPORT 18	2014-01-01
REPORT 19	REPORT 19	2014-01-01
REPORT 20	REPORT 20	2014-01-01
REPORT 21	REPORT 21	2014-01-01
REPORT 22	REPORT 22	2014-01-01
REPORT 23	REPORT 23	2014-01-01
REPORT 24	REPORT 24	2014-01-01
REPORT 25	REPORT 25	2014-01-01
REPORT 26	REPORT 26	2014-01-01
REPORT 27	REPORT 27	2014-01-01
REPORT 28	REPORT 28	2014-01-01
REPORT 29	REPORT 29	2014-01-01
REPORT 30	REPORT 30	2014-01-01
REPORT 31	REPORT 31	2014-01-01
REPORT 32	REPORT 32	2014-01-01
REPORT 33	REPORT 33	2014-01-01
REPORT 34	REPORT 34	2014-01-01
REPORT 35	REPORT 35	2014-01-01
REPORT 36	REPORT 36	2014-01-01
REPORT 37	REPORT 37	2014-01-01
REPORT 38	REPORT 38	2014-01-01
REPORT 39	REPORT 39	2014-01-01
REPORT 40	REPORT 40	2014-01-01
REPORT 41	REPORT 41	2014-01-01
REPORT 42	REPORT 42	2014-01-01
REPORT 43	REPORT 43	2014-01-01
REPORT 44	REPORT 44	2014-01-01
REPORT 45	REPORT 45	2014-01-01
REPORT 46	REPORT 46	2014-01-01
REPORT 47	REPORT 47	2014-01-01
REPORT 48	REPORT 48	2014-01-01
REPORT 49	REPORT 49	2014-01-01
REPORT 50	REPORT 50	2014-01-01

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



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

