≡KOSMOS

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KOSMOS 21.2

RELEASE NOTES

OUR TECHNOLOGY
YOUR FUTURE

Date: 8 February 2022

Index

1   Introduction

Dear customer,

Through this document we would like to inform you about the modifications and improvements in our newest KOSMOS release (21.2).

2   General overview of KOSMOS 21.2 improvements

The new KOSMOS version contains many modifications and improvements on several parts.

Where we started in KOSMOS 21.1 with extra **security** improvements, we continued to improve the security of the KOSMOS website. The biggest improvement on this part is the addition of **Multi-Factor Authentication**. Besides this extra feature, we follow the rules of the OWASP guidelines.

In addition to the security part, we also continue to focus on improvements for both the buyer and auctioneer.

For the buyer, we have added more possibilities regarding **product images**, we have introduced **clock presales** and also **packaging types** related to the auction's product. So, depending on which information the auction can provide, we can configure KOSMOS to work with clock presales amounts and with different packaging types.

We have also extended the functionality of our **KOSMOS app** for the buyer. From now on, the app supports **pictures**, **rising clock** mode and **audio**.

There are also several new functionalities for the auctioneer. The biggest change is the introduction of our **validation widget**. The auctioneer can now choose to use the validation (transaction) popup or the validation widget. Both popup and widget contain the same functionality, but only the widget can be added to the auctioneer's screen layout.

Another extra function is the addition of the **viewer auctioneer**. A 2nd, 3rd auctioneer can start the auctioneer programme as well, but in viewer mode. In this way, it is possible to assist the main auctioneer and to divide tasks. The viewer auctioneer is able to send messages to buyers, something the main auctioneer usually does not have time for.

Finally, the use of the **lot editor** (supply input station) in **touch mode** has also been improved.

Check our release notes to have more details about this new KOSMOS version.

3   General & Administration

Overview of general improvements in KOSMOS
- Currencies and Exchange rates
- Automatic printing of reports
- Filter supply based on manual groups
- Copy catalogue
- KOSMOS Security
- Multi-Factor Authentication
- Multi-Edit function
- Delete supply, supply expectation
- Driver list module
- Weighing scale support
- Improvements to touch mode of input station

3.1   Currencies and Exchange rates

Every day all available currencies and exchange rates are downloaded from the ECB. In KOSMOS 21.2 we also use a 2nd API to download custom rates. So, in case the exchange rate should not be available from API no. 1, we can download the necessary information via API no. 2 (Fixer.io: https://fixer.io/).

The 2nd API can be used as a backup when information would not be available via the API from the ECB.

3.2   Automatic printing of reports

It is possible to automatically print a report when all supply of a supplier is sold. KOSMOS is extended with this functionality to inform other programmes/applications when reports need to be printed automatically. This functionality can be helpful during distribution. Aucxis can provide a custom service which takes care of these printing requests.

3.3   Filter supply based on manual groups

It is now possible in KOSMOS to filter the supply (lots) based on a selected (manual) group. Auctions using manual groups can make use of this new feature.
We can configure KOSMOS to show all supply (from all groups) or to show only the supply from the corresponding manual group.

The following screenshots show the configuration to show all supply.

Catalogue settings

| Grouping type: | Manual and automatic grouping ▼ |
| Manual grouping behaviour: | Show all groups ▼ |

Result in clock application (all supply is displayed in upcoming lots)

CURRENT LOT - CLOCK 1 ❓ ✖

	2,080 TROSTOM G I Cb SP		TOMDS BL GOURM 40X30
Multi	ZON	1,080	
	120.00	200	5.00
	0.01		

UPCOMING LOTS 🔧 ✖

Lotnumber	Description	MinimumPriceAuction	MinimumPrice	Total	Buyback	Backorder		
2,081	TROSTOM M I Cb SP		0.01	240			↻	⇄
6,601	ELSTAR 65-70 I k186		0.15	11			↻	⇄
6,634	WELLANT FRE 80-90 I k186		0.15	56			↻	⇄
6,612	ROYAL GALA 75-80 I k186		0.15	34			↻	⇄
6,620	GALA 60-65 I k186		0.15	60			↻	⇄
6,621	GALA 65-70 I k186		0.15	30			↻	⇄
6,622	GALA 70-75 I k186		0.15	25			↻	⇄
6,623	GALA 75-80 I k186		0.15	25			↻	⇄
1,273	EGGPL 300-400M FI I Cb SP		0.01	704			↻	⇄
1,276	EGGPL 225-300P FI I Cb SP		0.01	440			↻	⇄

If we change the configuration (Catalogue settings - Manual grouping behaviour) to "Filter by last selected group", we get a different result in the clock application (filtered supply).

Catalogue settings

*Result in clock application (the supply in upcoming lots is filtered by the last selected group)*

3.4   Copy catalogue

A catalogue inside KOSMOS contains different settings. There are common catalogue settings, but there are also settings related to prebids, validation, transaction buffer,… Auctions which add an extra clock and/or catalogue can easily copy an existing catalogue.

When copying a catalogue, only the configuration (settings) will be copied and not the data (supply). It is just creating a new catalogue with the same configuration.
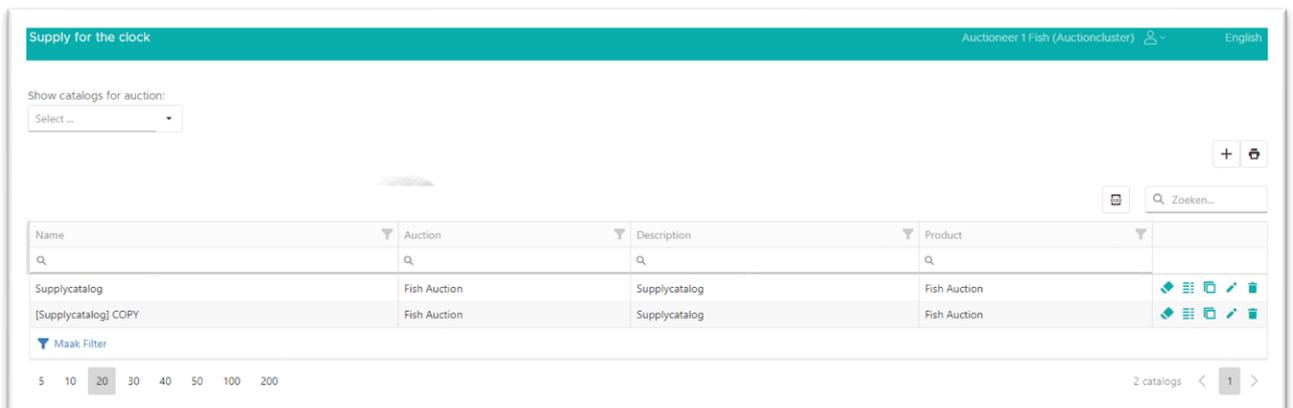
The screenshot below shows the catalogue overview with 1 available supply catalogue.
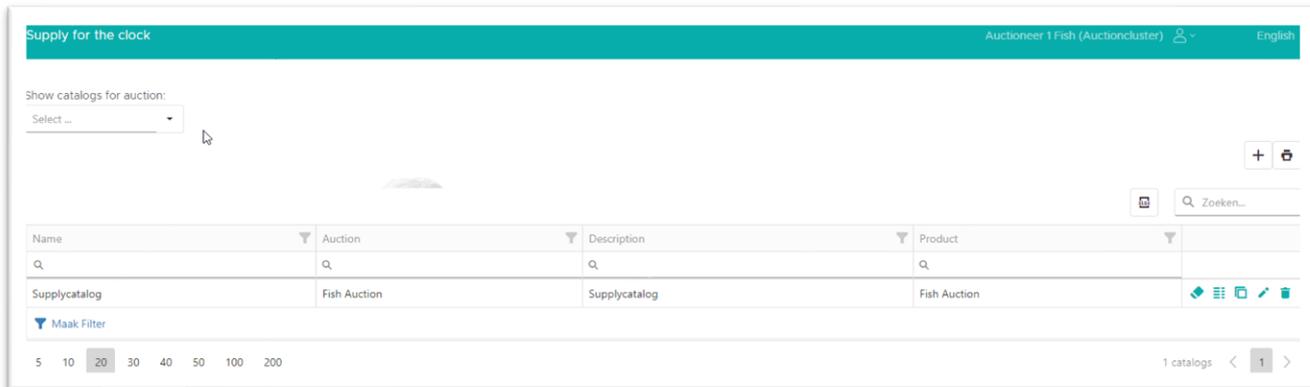
In order to copy a catalogue, you need to use the "Copy" icon on the catalogue record.
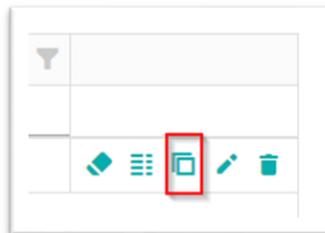
By clicking on this icon, a 2nd catalogue (copy) will be created, which is based on the original one.

From now on, a copy of the original catalogue is available. The name (and also other settings) of the copied catalogue can be adjusted via the settings menu.

3.5   KOSMOS security

In KOSMOS, attention is paid to the security of the system. In this new KOSMOS version, we did the necessary modifications to comply with certain OWASP regulations.
The following items are adjusted in KOSMOS:
-    OWASP A7 Cross-site scripting (XXS): security headers (lack of security headers)

- OWASP API2/A2 Broken user authentication: multi-factor authentication
- General security improvements:
  - Password requirements
  - Limited number of login attempts
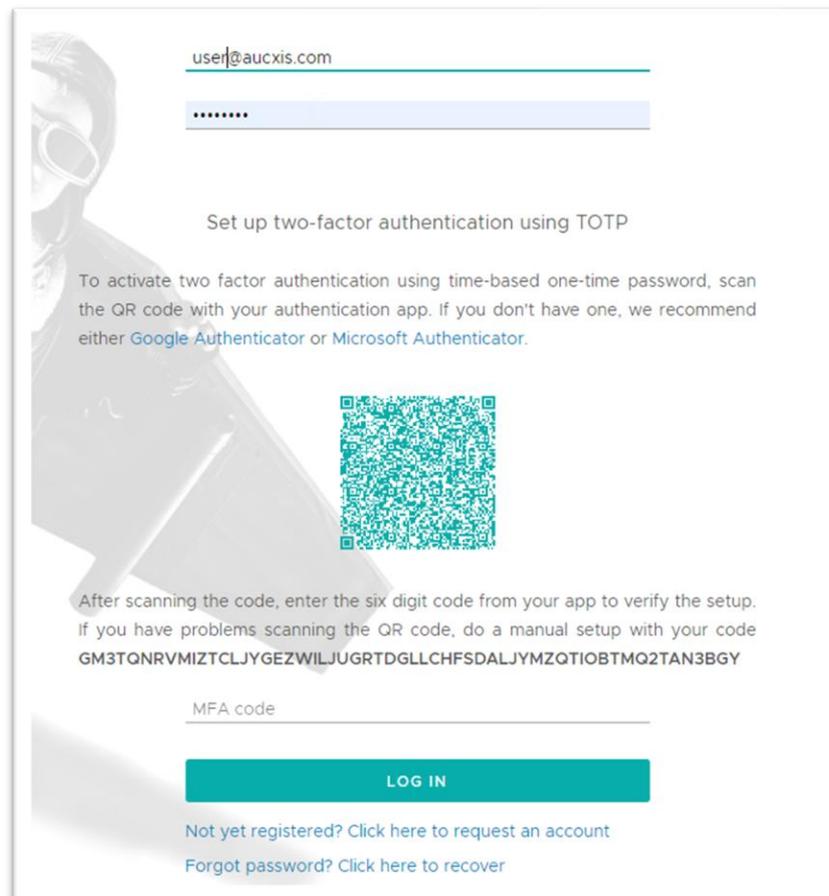 - Processing agreement for 3rd parties

3.6   Multi-Factor Authentication

As mentioned in the previous chapter, KOSMOS supports Multi-Factor Authentication. Auctions which would like to increase the security can activate MFA.

Aucxis will provide the necessary assistance in order to activate MFA on your KOSMOS environment. Together with the customer we can define the expiration period of the MFA connection (the amount of days before the grace period expires).

Once MFA is enabled, the auction can decide (activate/deactivate) which user(s) need(s) to use MFA. Users for whom MFA is activated (or deactivated) by the auction are automatically notified by email.

Once MFA is activated for a certain user, the user needs to perform MFA during a next login attempt.

The principle to log in by using MFA is quite familiar and known by most people.

The user needs to enter his login and password and scan the QR code with an authenticator app (e.g. Google authenticator). The result code generated by the authenticator app needs to be entered below in the MFA code field. Once all information is entered, the user can log in and authentication is granted for the next "x" days.

3.7   Multi-Edit function

Another major improvement is the use of the "Multi-Edit" function inside the lot editor. Compared to previous KOSMOS versions, the Multi-Edit screen has been modified, making it clearer for the end user.
Instead of positioning the filters on top of the results (supply), we changed the orientation. The filters are positioned next to the supply now (see screenshot below). In this way, we avoid possible scrollbars when we have too many filters.
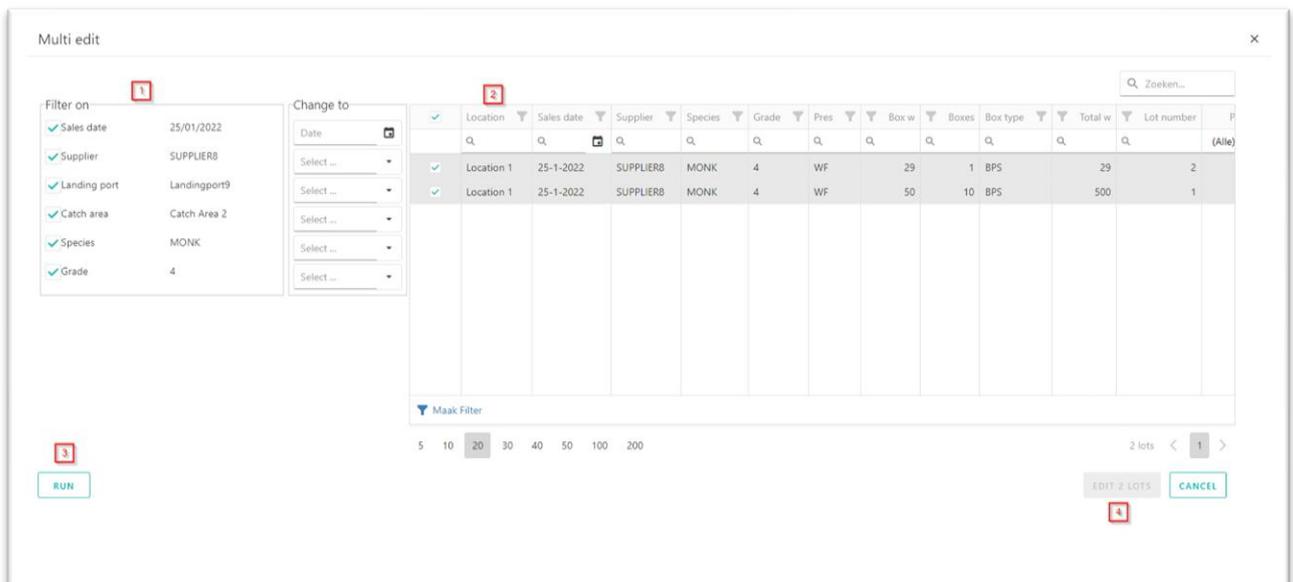
Another improvement is the use of the multi-edit popup and the speed. Instead of constantly refreshing the results (supply) when filters are adapted, the user now needs to apply the "Run" button (3) to refresh the results (2). In this way, you can define, change,… all filters without having to wait for the results. Once the filters are set, the results can be refreshed by using the "Run" button (3). By refreshing the results (supply), more/less supply records will be shown. Depending on the current filters (and values), the corresponding supply is shown in the overview.

After having refreshed the results (supply) and set up the right filters, the user needs to confirm by pressing the "Edit X Lots" button (4). Now changes (values from the "Change to") are applied to all records which are currently listed in the overview (grid).

3.8   Delete supply, supply expectation

From now on, it is possible to delete all supply from a certain supplier. It is no longer necessary to delete the lots one by one. This extra function is available when the "Master/Detail" screens are configured. The "Master/detail" page means that - after opening the catalogue - you will first see a list with all suppliers (which have supply available). The user can then select a supplier to see the available supply. When this overview is available, it is also possible to delete the supply of a supplier in one go.

The overview with suppliers (catalogue management) is extended with a delete function per supplier.

By pressing the "Delete" icon, you can remove all supply from that supplier. Confirmation is needed. The confirmation popup also displays the amount of lots which will be deleted.
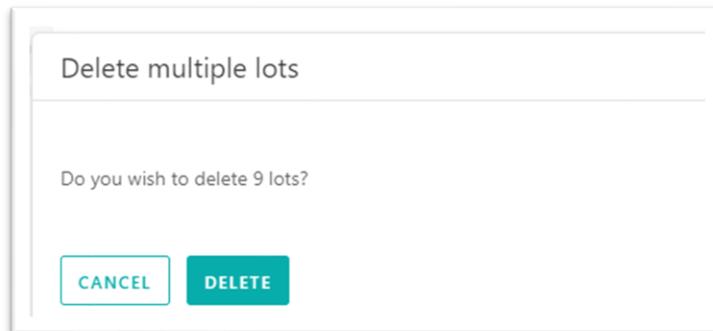
Inside the catalogue details (lot editor) you can also delete supply one by one, or in group when using filters.

The following example shows a supplier with 9 lots. One of these lots is currently available on the clock and cannot be modified/deleted. However, it is possible to delete the remaining 8 lots.

You can also filter the supply (results) by using the filter row in order to only remove the records (supply) you want to remove.

For example (please see following screenshot): we only want to delete the species "Prawns". In this case, we use the filter (1), the delete button is updated (2) and we are ready to delete only these 3 supply records.
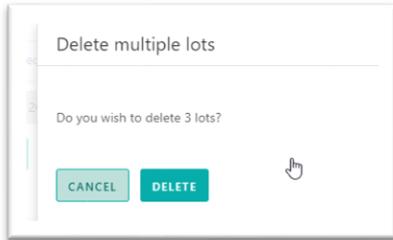
After clicking on the delete button, confirmation is needed.

3.9   Weighing scale support

KOSMOS 21.2 also supports the use of weighing scales. KOSMOS combined with our own middleware (HERTZ) allows us to use weighing scales in KOSMOS.

Auctions which make use of the lot editor (desktop or touch version) are now obliged to enter the amount manually. If a weighing scale is available and the protocol is supported by our HERTZ middleware, we can configure the use of the weighing scale in KOSMOS.

The following weighing scale types are currently supported:
- Orion
- Bilanciai
- Precia
- Marel

Below you will find an example of the KOSMOS lot editor where the weighing scale is activated. The "Part weight" field (can be every weight field) is connected to a weighing scale. The colour of the field corresponds to the stable/unstable status of the weighing scale. The weight is filled in automatically by the weighing scale.
If necessary, the user can always switch between "manual input" or "input via weighing scale" by using the On/Off switch.

The use of a weighing scale gives the user the possibility to fill in the weight, either automatically or manually.

The weighing scale support is available in both "Desktop" mode (screenshot above) and "Touch" mode (screenshot below).

3.10   Improvements to touch mode of input station

The KOSMOS lot editor has also been modified in order to improve the use of the "Touch mode".
Below you will find an overview of all changes:

- When both editors (desktop and touch) are configured, all screens in the catalogue
  management will contain a switch button to switch between "Desktop" and "Touch"
  mode.
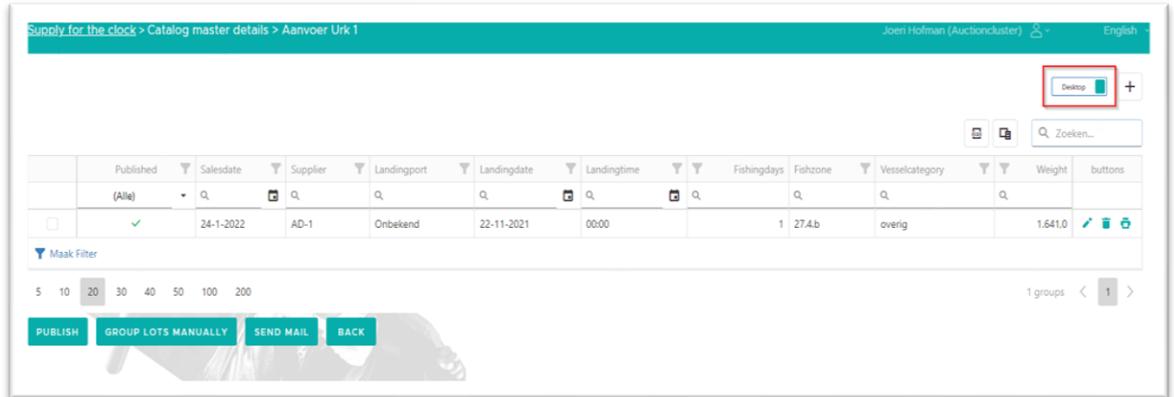
- You can switch between "Touch" and "Desktop" mode at any time.
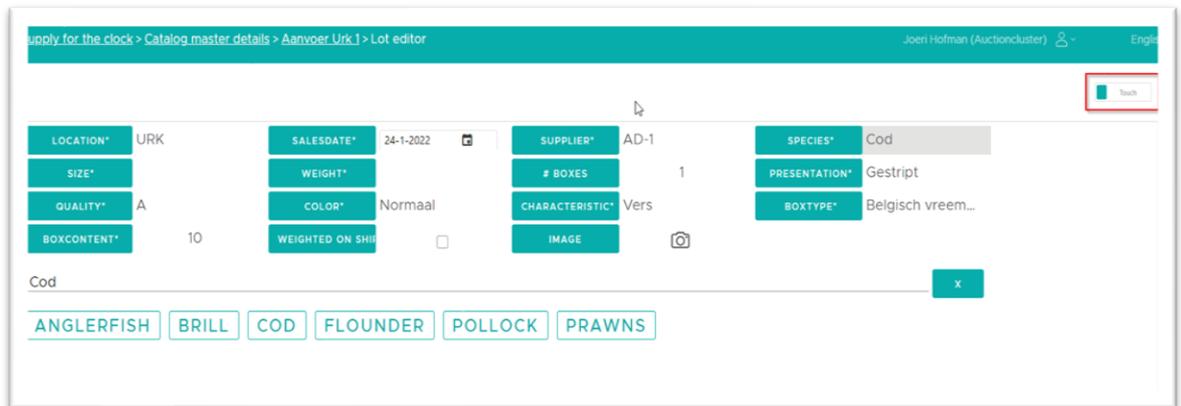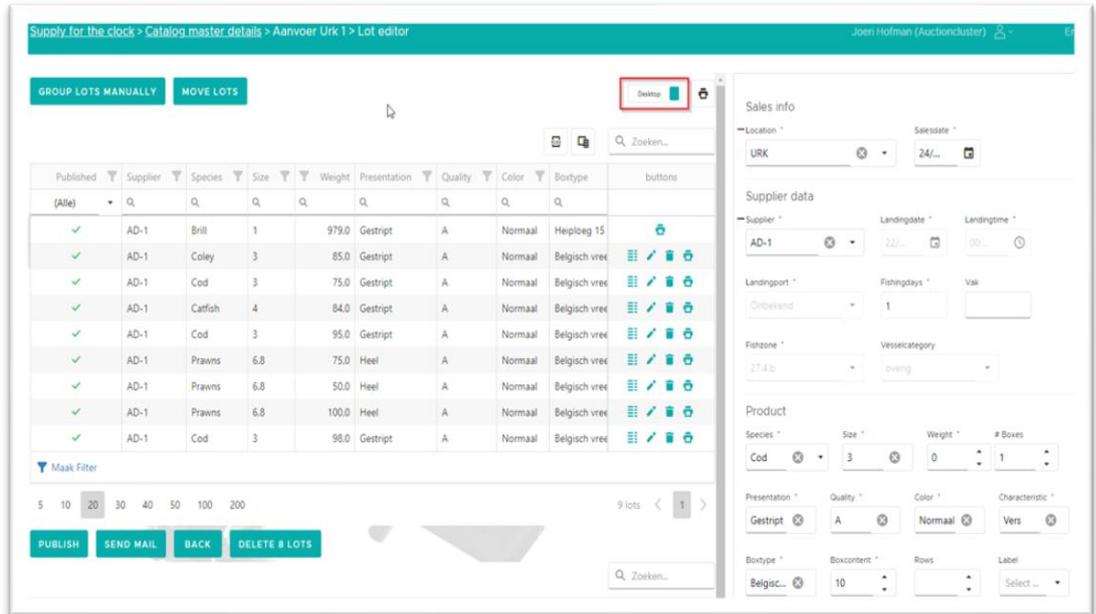
- The user can customise the grids by using the column chooser. In this way, you can minimise the amount of data and only show the most relevant data which is important for you.
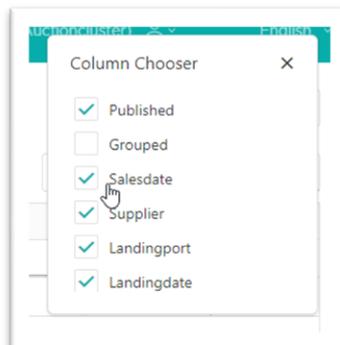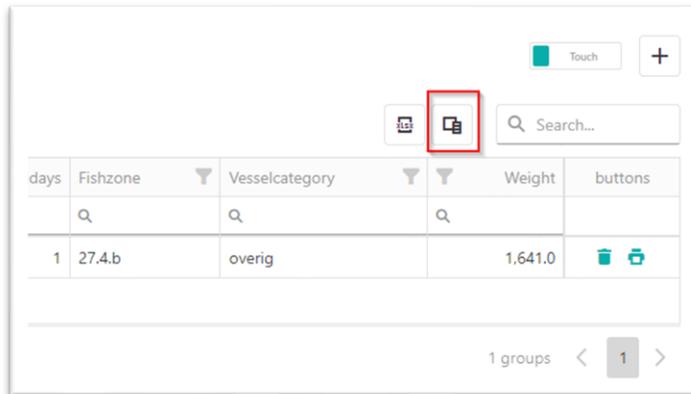
- An additional "Back" button (1) is added. In this way, the user does not have to use the menu (side), or top level navigation (2) in order to open another page.
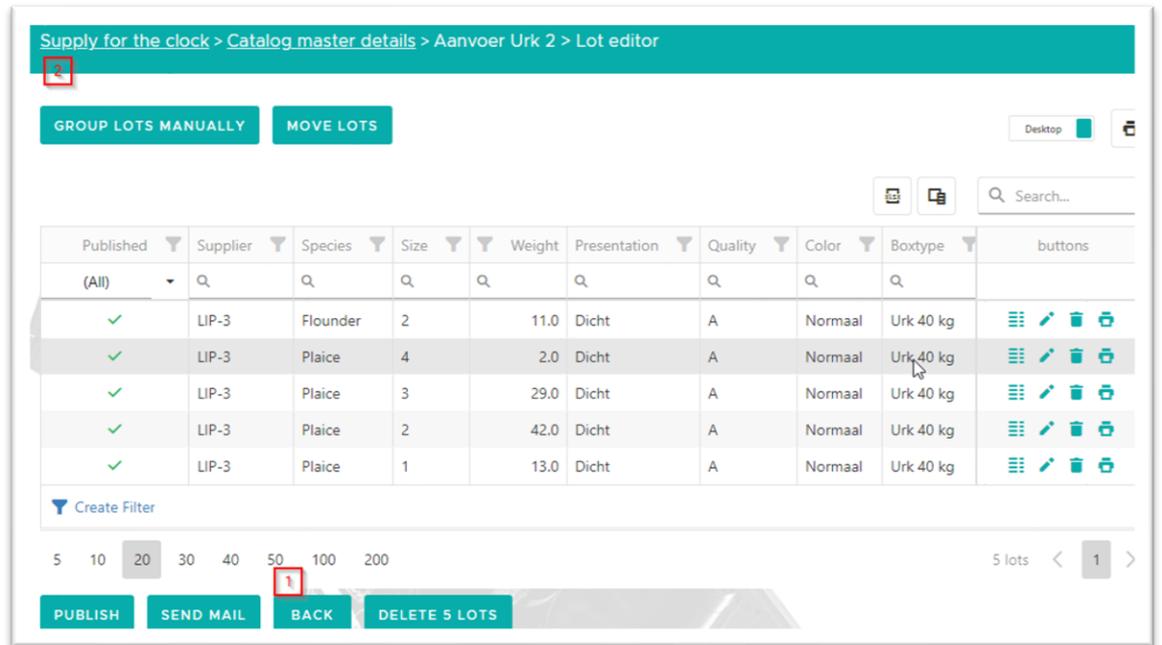
- In touch mode, we also remove the master/detail grid (below) in order to save space.
- In touch mode, the "Export" and "Print" options are removed.

Desktop mode

Touch mode

- The "Edit" and "Multi-Edit" functions are also removed in Touch mode. It is still possible to edit an existing lot by clicking on that lot. The touch-friendly lot editor will be opened and the lot can be modified.
- Each time a field is activated, the current touch-friendly editor displays a suggestion list. The suggestion list contains all master data which is available (today). In the new KOSMOS version we can distinguish 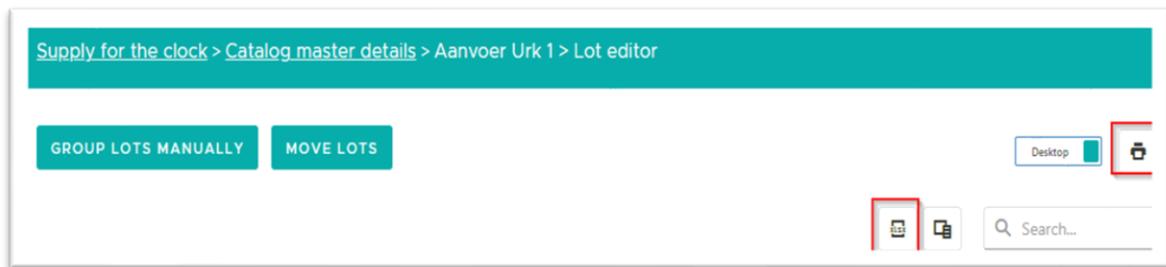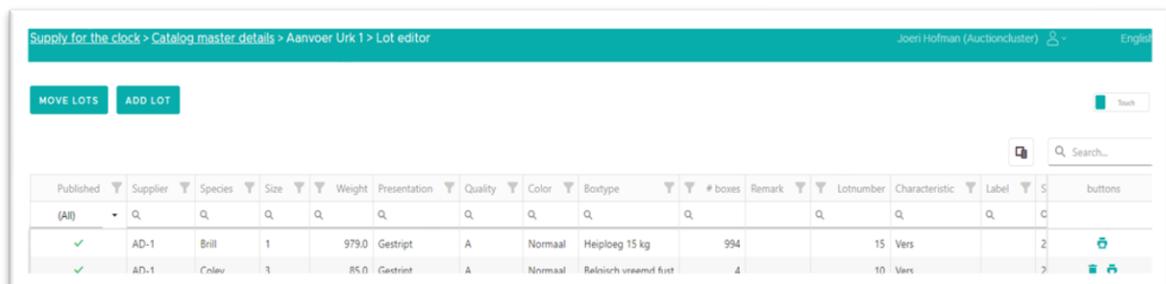data which is shown in the touch-friendly editor and in the desktop editor. The intention is to minimise the number of options when using the touch-friendly editor. So the suggestion list will use filtered data.

3.11 Sales order "by index"

The "Select Lot" function is now extended with an extra possibility: select a lot "In between". In previous KOSMOS versions, the "Select lot" option was like a "Jump to" option.

KOSMOS 21.1 and older versions

When the user selects a lot, the selected lot is set as current lot and the upcoming lots remain in the same position (order). Only the lot we just selected will be removed from the upcoming lots.

For example: we have lot no. 2 (200kg), no. 3 (300kg), no. 4 (400kg) and no. 5 (500kg).

UPCOMING LOTS							
Location	Supplier	Article		Weight	Remark		
URK	FD283	Plaice-3-Gestript-A-Normaal-Vers		300		C	⇌
URK	FD283	Plaice-4-Gestript-A-Normaal-Vers		400		C	⇌
URK	FD283	Haring-1-Dicht-A-Normaal-Vers		500		C	⇌

If we select lot no. 4 (400kg), lot no. 3 and lot no. 5 remain in the same order, only lot no. 2 (which was the current lot) will take its original place, before lot no. 3.

UPCOMING LOTS							
Location	Supplier	Article		Weight	Remark		
URK	FD283	Plaice-2-Gestript-A-Normaal-Vers		200		C	⇌
URK	FD283	Plaice-3-Gestript-A-Normaal-Vers		300		C	⇌
URK	FD283	Haring-1-Dicht-A-Normaal-Vers		500		C	⇌

In KOSMOS 21.2, this functionality is still available. It is called "In between". We just take the lot in between in the existing order. The remaining lots stay at their current position/order.

Besides the "In between" option, we also have a "Jump to" option (which is new). When using the "Jump to" option, the lots which we currently skip (jump over) will be added at the end of the current list of supply.

For example, we have the following lots:

Lotnumber	Description	MinimumPriceAuction	MinimumPrice	Total	Buyback	Backorder		
1,420	BROCCOLI 10x500 I Cb SP		0.14	264			C	⇄
1,450	PEPPERS Red 3kg I Cb SP		0.41	32			C	⇄
1,520	SLA ROMANA 10s I		0.03	60			C	⇄
1,550	TOMATE PINK GG I		0.01	92			C	⇄
1,581	CONFERENCE 60-65 I k186		0.09	130			C	⇄
1,844	TOM Round 57-67 M Cb SP		0.01	360			C	⇄
1,846	TOM Round 47-57 MM Cb SP		0.01	240			C	⇄
1,860	PRUIMTOM M 57 I Cb SP		0.05	360			C	⇄
1,862	PRUIMTOM MM 47 I Cb SP		0.05	240			C	⇄
1,870	TOM VI 82-102 GG I Ds SP		0.03	184			C	⇄

If we "Jump to" lot no. 1844, we jump over lot numbers 1420, 1450, 1520, 1581 and lot no. 1846 becomes the first upcoming lot.
The lots we skipped will be added at the end of the list. In this way, it is possible to jump over a certain amount of lots and to sell these lots at the end.

UPCOMING LOTS

Lotnumber	Description	MinimumPriceAuction	MinimumPrice	Total	Buyback	Backorder		
1,846	TOM Round 47-57 MM Cb SP		0.01	240			C	⇄
1,860	PRUIMTOM M 57 I Cb SP		0.05	360			C	⇄
1,862	PRUIMTOM MM 47 I Cb SP		0.05	240			C	⇄
1,870	TOM VI 82-102 GG I Ds SP		0.03	184			C	⇄
2,050	COURGET 14/21 M I Cb SP		0.01	384			C	⇄
2,052	COURGET 21/30 G I Cb SP		0.01	256			C	⇄
2,303	CHICORY ShrtRgh27I-2 epsT		0.01	50			C	⇄
2,452	RED CHICY ShtRgh I-S Cb		0.23	40			C	⇄
2,700	PEP Red 90-110 GG I Cb SP		0.01	792			C	⇄
2,700	PEP Red 80-100 GG I Cb SP		0.01	264			C	⇄

4 Product configuration

Overview of improvements in the Administration and Configuration section of KOSMOS
- Packaging types
- 4 different minimum prices
- Minimum price behaviour
- Clock presales
- User display name
- Lot pictures
- Touch mode options of lot editor

4.1 Packaging types

Auctions which wish to use packaging types for their products can also do this in KOSMOS from now on. KOSMOS can be configured to use different packaging types (which can be different for each lot). Packaging types can be displayed in both the auctioneer and buyer application. We have therefore added a new widget called "Packaging Type".

In this way, it is possible for the buyer to select one of the available packaging types when buying a product. The auctioneer can select the requested packaging type during validation.

Example of the "Packaging Type" widget

During validation – when the clock is stopped by the buyer – the auctioneer can select the requested packaging type (the buyer's choice is requested via audio) in the validation widget or validation popup.

When changing the packaging type, the "Packaging Type" widget will automatically be updated. In the screenshot above, the auctioneer selected the 2ⁿᵈ packaging type, so the widget is updated and the selected packaging type is highlighted.

4.2   Minimum prices (a maximum of 4) and their behaviour

KOSMOS can now handle a maximum of 4 minimum prices. Together with the auction we define the amount of minimum prices (1, 2, 3 or 4) and their corresponding value.

KOSMOS will check all available minimum prices and will use the highest value in order to stop the clock.

It's the auction which can decide which minimum price corresponds to minimum price number 1, 2, 3 and 4.

Common used minimum prices could be:

-    Minimum price on a lot (it is the minimum price of that lot, the lot cannot be sold below that minimum price).
-    Minimum price clock (it is the minimum price of that clock, the lot cannot be sold below that minimum price).
-    Minimum price for a supplier (it is the minimum price of that supplier, the lot from that supplier cannot be sold below that minimum price).

-   Minimum price of the auction (it is the minimum price of the auction, the lot cannot be sold below that minimum price).
-   …

In addition to these 4 minimum prices, we also have the possibility to use the lowest or highest minimum price when using grouping mode. This is configurable in KOSMOS and will only have effect when the auction is selling in grouping mode (automatically or manually). Lots which are grouped (because they have the same properties) will use the same minimum price (either the lowest one of the group or the highest value of the available minimum prices).

4.3   Clock Presales

In this new version we also support the possibility to use buyback. Buyback is the amount (sales units) which is already reserved before the sale.

For example: A lot contains 100 boxes and 20 boxes are reserved by a certain buyer. This means that there are still 80 boxes available for the other buyers.

Important to know: the reserved amount (presales amount) needs to be bought by that buyer during the sale. So the buyer needs to participate to the sale in order to stop the clock and buy his product.

If a certain threshold is passed and the presales amount is still not bought by that buyer, that buyer will receive a penalty (certain extra amount for the transaction). From that moment, it is no longer possible for that buyer to buy the amount that he has reserved; a transaction is automatically made for that presales amount.

This presales amount is also displayed to the auctioneer and the other buyers, in order to inform them about the current remaining and presales amount for a certain lot.

Example:
We have a lot of 65 units: 50 units are available for all buyers and there is a presales amount of 15 units.

When the clock is stopped, we see the presales amount in the validation widget (or popup).

If we now create a transaction of 50 units, a transaction is automatically created for that presales amount of 15 units.

Presales transactions are also highlighted in a different colour to make them clearly visible for the auctioneer.

4.4 User display name

In KOSMOS 21.2 we have added the possibility to define a custom display name for each user separately (staff member of a buyer company). Instead of showing the buyer number in the clockface, we can now show a custom name.

The auction can define custom names via the "User management".

How to define a custom name?
- Open the User management
- Open the user settings of the user you want to change
- Go to the "Buyer" tab settings
- Enter a chosen name in the "User display name" field

The entered name will now be displayed inside the clock face. Both buyers and auctioneer will see the custom name.
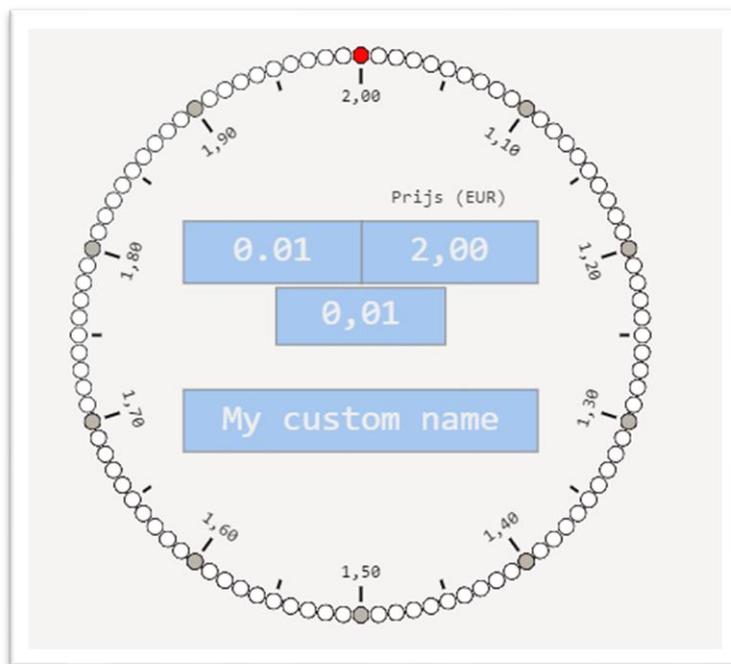
4.5   Lot pictures (extension)

Another major improvement in KOSMOS are the lot pictures. In our previous KOSMOS version (21.1), it was only possible to add 1 image (picture) to a lot. This image could only be displayed in the "Images" widget.

Remark: photos and images can be hosted by KOSMOS or by an external (ERP) system. If KOSMOS needs to host pictures, they will be stored on Microsoft Azure. Depending on the resolution and size of the picture, an additional hosting fee is added.

In this new KOSMOS version, we have extended the use of images and pictures.

What's added?

- Multiple pictures are possible.
  The auction can assign 1, 2, 3… or an unlimited number of pictures to a single lot.
- Default pictures can be used.
  We can add the possibility to assign a picture to master data. In case there is no image available of a lot, a default image of that product can be shown.

- Carousel feature
  If multiple images are available, a carousel option becomes available in order to scroll between all available images of a certain lot or between all images available in a grouped lot. The "Images" widget will have a left and right scrolling function.

- Thumbnails in several overviews and grids
  o Everywhere where a thumbnail is available, the user can hover over the thumbnail to see a larger picture.
  o In addition to the existing image widget, we can add a thumbnail of the image inside the upcoming lot widget.

- o Thumbnails are also possible in all prebid popup screens.

- o The supply monitor can be extended with a thumbnail.

4.6   Touch mode options of lot editor

The product management in KOSMOS is modified enabling us to distinguish the lot editor configuration for desktop and touch mode. In previous versions there was only one configuration for both.

We can activate both editors, or only the desktop version, or only the touch mode version.
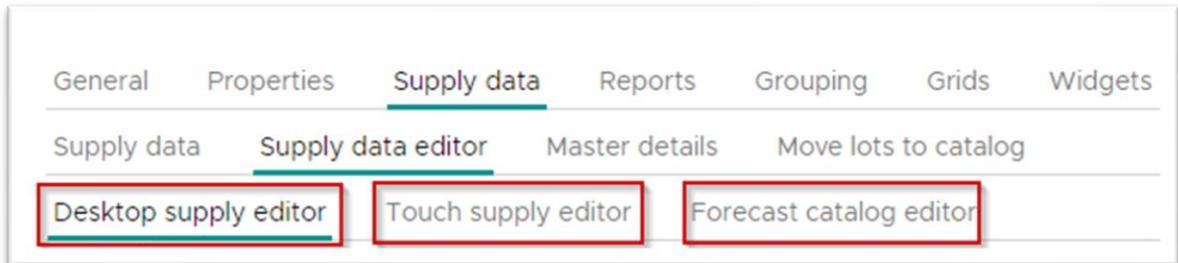
Another possibility is to define which data is available in desktop and/or touch mode. If we have a list of 1000 products, this amount of products can be easily used in the desktop environment but it is more difficult to use this amount of data in touch mode. The (most important) data which are needed in touch mode can be filtered in order to limit the user's options.

Example:
In the desktop mode (lot editor) we have all available data (species).
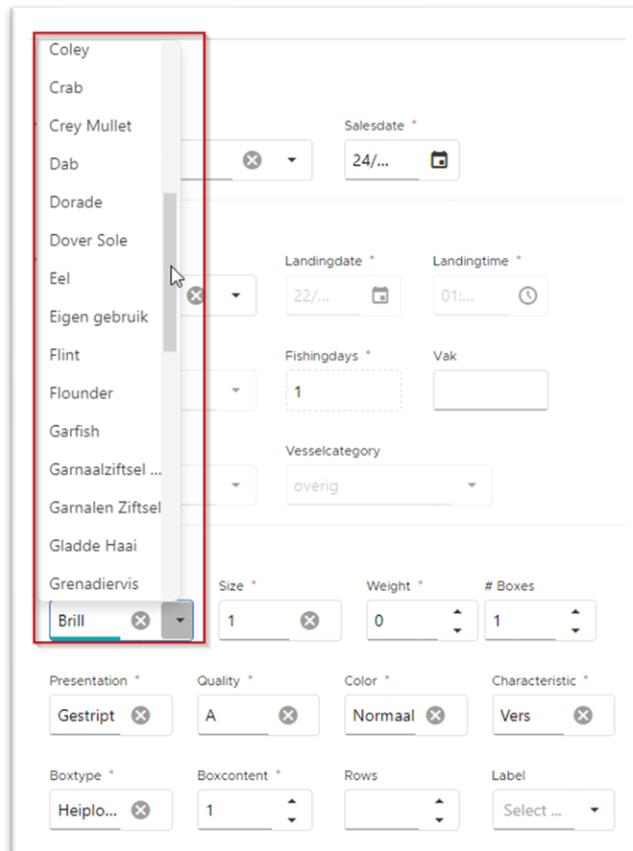
In the touch mode version of the lot editor, we only show the results we want to use (most frequently used products). In the following screenshot, we only have 6 different species available (only these products are selected for use in touch mode).

It is not necessary to make a difference in the use of both editors, but it is easier to use the touch mode editor on a tablet: less results and a faster selection.

The auction can define and distinguish the use of data in the lot editor in desktop and touch mode.

ID	AID code	Name	Quantity box	Latin name	Min Quantity Start price	Order	DefaultImage	AvailableInTouch
1	FLE	Flounder	40	Platichthys Flesus	10	65		✓
2	CSH	Prawns	20	Crangon crangon	1	150		✓
3	BLL	Brill	40	Scophthalmus Rhombus	1	25		✓
4	MON	Anglerfish	40	Lophius Piscatorius	1	30		✓
5	COD	Cod	30	Gadus Morhua	10	70		✓
6	POL	Pollock	40	Pollachius pollachius	10	90		✓
7	POK	Coley	40	Pollachius Virens	10	95		
8	MAC	Mackerel	30	Scomber Scombrus	10	100		
9	MUR	Red Mullet	25	Mullus Surmuletus	10	50		
10	NEP	Norway lobster	20	Nephrops Norvegicus	10	10		
11	LBE	Lobster	15	Homarus Gammarus	1	105		
12	GUG	Black Gurnard	35	Eutrigla Gurnardus	10	110		
13	GUU	Tub Gurnard	35	Trigla Lucerna	10	85		
14	RJM	Ray	30	Raja Montagui	10	115		

5   Auctioneer & Buyer

Overview of improvements for the buyer, auctioneer and auction staff

The following list gives an overview of all (buyer and/or auctioneer) widgets which have been modified and improved:

- Prebids
- Reporting filters (dropdowns)
- Switch between different sales units
- Temporary blocking of users
- Undo & copy transaction function
- Validation (popup or widget)
- Buyback widget
- Packaging type widget in combination with validation
- Last transaction information in clock
- Start/Stop clock by using external HW
- Auctioneer viewer mode
- Lot pictures extensions
- Changing buyer by auctioneer

5.1   Prebids

Prebids can be created and managed in the Admin part and in the Clock UI. In the Admin part, the user can manage his prebids via the supply matrix and supply monitor. In the Clock UI, the user can create and modify prebids via the Upcoming lots widget.

There are three different places, three different options for the buyer to manage prebids.

The prebid form (UI) has the following improvements:
- The user can make a prebid on one or more individual lots.
- The user can also make a prebid on the entire lot by using the "Create prebid for all" checkbox (in this case, the grid with lot details gets disabled).
- Remove an existing prebid.
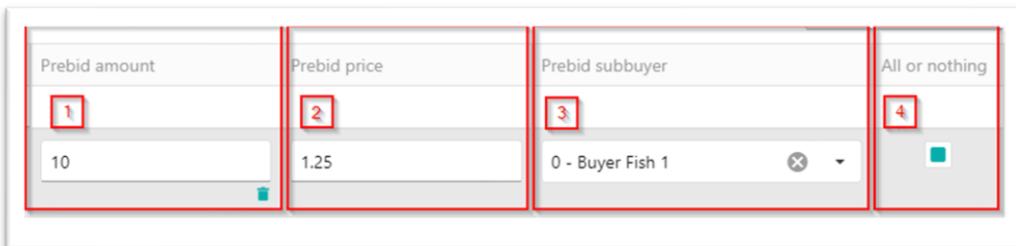
5.1.1   Prebids on individual lots

Buyers can make a prebid on one or more individual lots by using the grid in the prebid popup. They need to enter an amount and price on the lot they want to buy.

The following screenshot shows an overview of a grid filled with one lot.
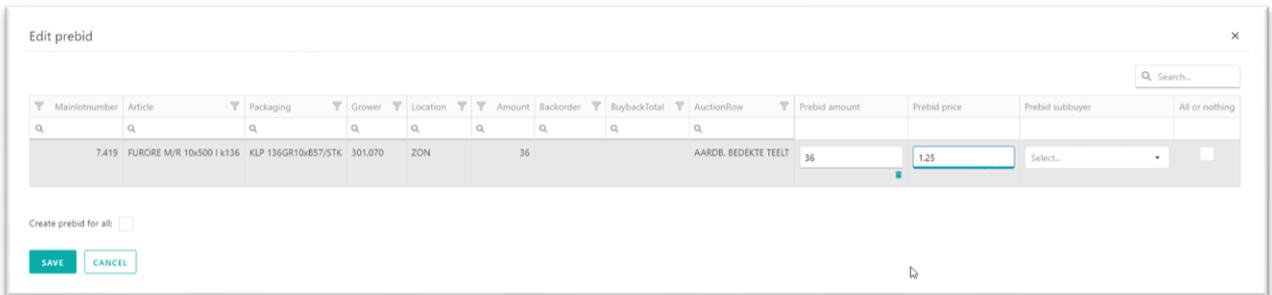
The buyer can perform the following actions:

- Enter the required amount (1).
- Enter the desired price (2).
- Define the correct sub-buyer (3).
- Define whether he wants all or nothing (if the requested amount is no longer available, he needs to choose whether he wants the remaining amount or not) (4).

5.1.2 Prebids on entire lots

The user can also make a prebid on the entire lot by using the "Create prebid for all" checkbox. When activating this checkbox, the grid (with individual lots) will be disabled.
The buyer needs to use the provided "Prebid price" (1), "All or nothing" (2) and "Prebid sub-buyer" (3) options.
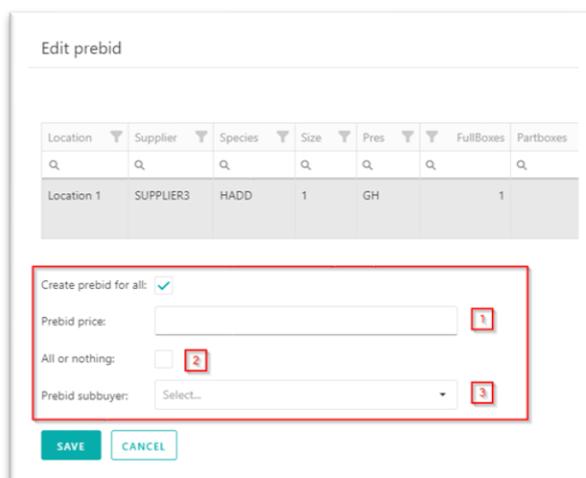
5.1.3 Remove existing prebids

Another improvement is the possibility to remove prebids in KOSMOS. In older KOSMOS versions, the user needed to enter "0" as a price in order to remove the prebid (which was not user-friendly). In this new version, we added a delete icon to easily remove a prebid.

Via the supply monitor you can remove all existing prebids on a lot by using the "Delete" icon at the end of the supply record (1).

When deleting one or more prebids on a (grouped) lot, confirmation is needed.

It is possible to remove a prebid on a single lot via the prebid popup. After opening the prebid popup, you can use the "Delete" icon in the "Prebid amount" column. The prebid price will then be reset. Confirmation is needed by pressing the save button.

5.2 Reporting filters (dropdowns)

The filter options available in the user reports (buyer, auction, supplier) have also been changed. Filters (dropdowns) can now contain only the results which can eventually generate a report. So all possibilities which result in an empty report (no data available) can be removed from the filters. Here Aucxis will assist by adjusting the configuration.

Furthermore, filters which contained IDs (buyer ID…) can now be replaced by meaningful names (or descriptions). Instead of using buyer IDs, we can fill the dropdowns with buyer names.

It is also possible to configure which filters are required when the user wants to open a report.

5.3 Switch between different sales units

KOSMOS allows to use 2 different sales units. The buyer will always buy in the sales unit that the auction uses (kg, boxes, layers…). For the auctioneer, however, we have added the possibility to switch between 2 sales units during validation.

Why? Auctioneers often need to calculate the correct amount which needs to be entered during validation because the buyer orders (audio) 5 boxes, then 5 pallets and so on. And it is the auctioneer who needs to recalculate the correct sales unit.

Example: in the following screenshot, the used sales unit is boxes. Here we have a current lot of 10 boxes.

When the clock is stopped, a validation is needed. The auctioneer can validate in boxes or in pallets.

In the screenshot below, the auctioneer enters an amount of 5 (units).

After validation, a transaction is created for this amount. When the clock is stopped, we see that we have a remaining amount of 95 units.

If the next buyer orders 5 pallets (2nd sales unit) instead of 5 boxes, he will receive 5 pallets (5 pallets x 10 units/pallet = 50 boxes).
In order to insert an amount for the 2nd sales unit (pallets in this case), the auctioneer can use a function key to toggle the current sales unit.

You can see that the auctioneer simply enters the buyer's requested amount but in a different sales unit. In the validation widget (or popup) the auctioneer can activate the 2nd sales unit (by using a function key) and a calculation tool is being displayed (left upper side in validation).

In this example we see that the auctioneer has entered an amount of 5 pallets, which means 50 boxes. When the auctioneer confirms the transaction, KOSMOS will create a transaction of 50 boxes and the remaining amount is decreased to 45.

A transaction of 50 boxes is created.

And the remaining amount is 45 boxes.


5.4 Temporary blocking of users (buyers)

In older KOSMOS versions, we were able to block buyers in 2 ways. Buyers could be blocked based on their current credit limit. Another way to block buyers was on clock level (grant access or deny access for a certain clock).

In our new KOSMOS version, buyers can be blocked "temporarily". An auctioneer has now the possibility to block a buyer for X clock starts (temporarily).

Why should the auctioneer block a buyer temporarily? It is possible that certain buyers stop the clock by accident and then ask to cancel their transaction because they have made a mistake. But sometimes certain buyers will stop the clock multiple times (by accident) and so they will cause a delay in sale. In order to prevent this and to warn these buyers, they can be blocked.

*Example: how to block a buyer temporarily?*

The clock is in validation mode (stopped by a buyer), the auctioneer can block a buyer by using the "Temporary Block Buyer" button.
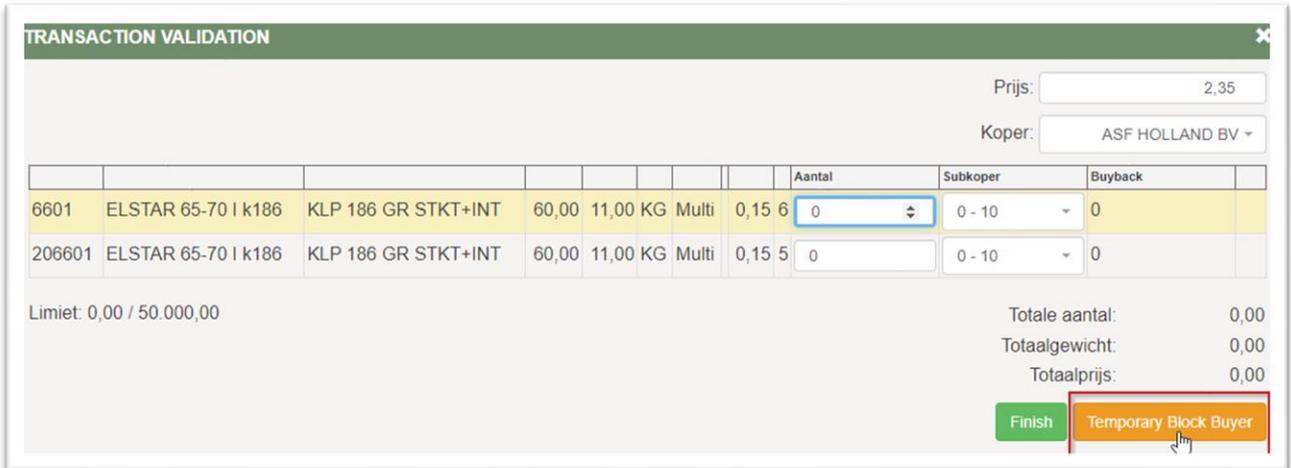
Example: how it looks like when you are blocked temporarily?

In the upper left corner, the buyer will see the red hand (blocking symbol). Next to the blocking symbol there is also a counter displayed (in this example '2'). The counter is the amount of clock starts which are needed before the buyer can participate again to the sale.

The amount of clock starts that a buyer can be blocked is configurable in KOSMOS.
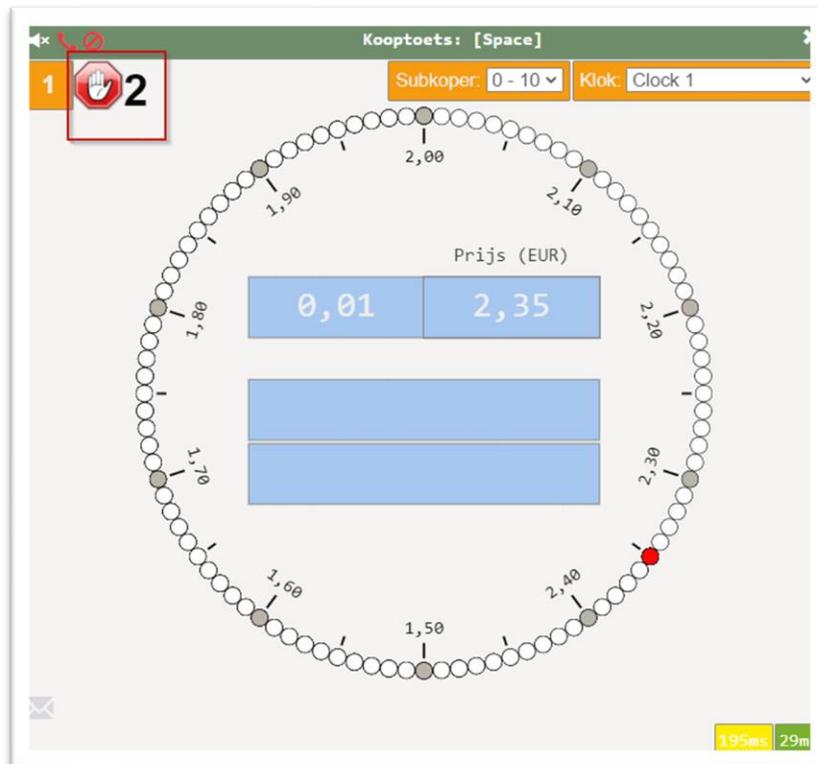

Each time the clock is started, the counter '2' will decrease (2-1-0). After this amount of clock starts, the buyer is able again to stop the clock.

5.5   Undo & copy transaction function

KOSMOS can now be configured with an "Undo" and/or "Copy" transaction function. If these functions are activated (configuration), the auctioneer has 2 additional function keys to copy or undo a transaction.

The auction manager can activate/deactivate the copy/undo options in the catalogue settings.
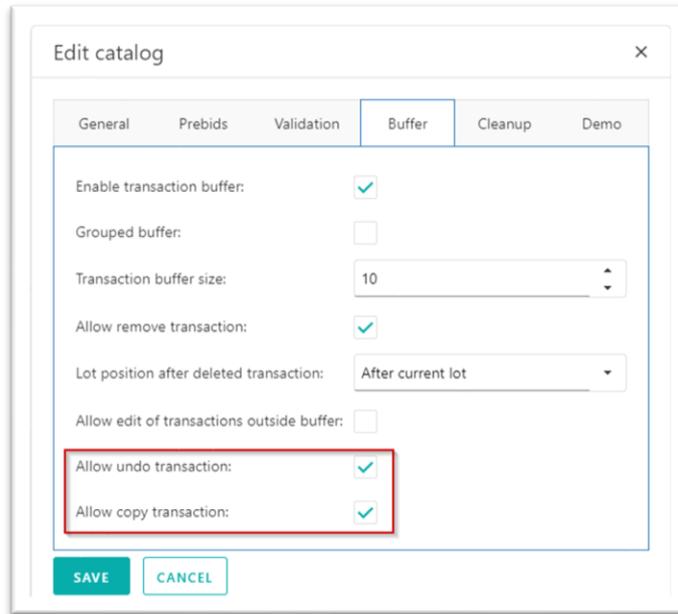
When these options are activated, the auctioneer will see 2 extra buttons in the Edit transaction popup.
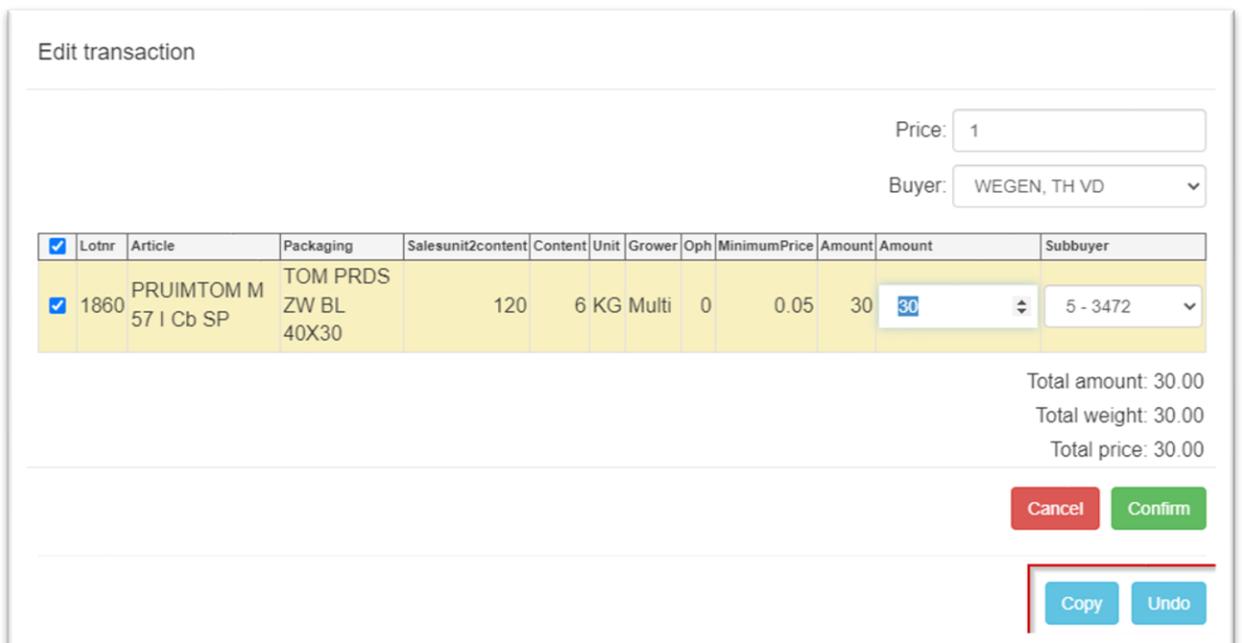
A "Copy" action will create a new transaction (copy) based on an existing transaction (transaction which was selected in the transaction widget by means of the Edit function). The copied transaction will have the same price, same buyer,… without running the clock. Copied transactions can be edited like normal transactions. The remaining amount of that lot is taken into account. Obviously, it is not possible to copy transactions when the remaining amount is zero. Lots which are already completely sold cannot be copied. Transactions which correspond to the current lot and which still have a remaining amount can be copied.

An "Undo" action is only possible when the clock is idle (not running). The auctioneer can open the edit transaction window in order to perform an "Undo" action for that transaction. What is the difference between "Undo" and delete a transaction? When you delete a transaction, the transaction will be deleted and the lot will be put on the clock for sale again. An Undo action deletes the transaction and will set the clock in validation mode with this information (price, buyer, sub-buyer,…). It is the same behaviour as when the buyer has stopped the clock and the auctioneer has entered the transaction information.
The big difference compared to editing an existing transaction is that the clock is in validation mode. So the auctioneer can create (new) extra transactions for that buyer.

An Undo action can be used for changing the buyer, sub-buyer, price, packaging type and requested amount.

5.6 Validation (popup or widget)

Auctioneers are now able to use the existing validation (transaction) popup or they can choose to use the validation widget. The use of the validation widget or popup is completely the same. The only difference is that the widget can be added to the auctioneer's screen layout. Furthermore, by using the widget, it is avoided that a popup appears which can hide useful information in the background.

By using the validation widget, or the validation popup, this can be changed by the auctioneer on the fly. The auctioneer can add the widget when needed or remove the widget when he wants to use the popup. He can also create 2 different layouts, one with and one without validation widget. In this way, it is possible to change quickly.

Example: use of validation widget

Example: use of validation popup

5.7   Clock Presales

The "Clock presales" widget is a new widget which is available for the auctioneer. Lots which have "presales" (presales, or buyback, is an amount of that lot which is reserved by a certain buyer) will be displayed in this widget.

Example: a lot with presales. The auctioneer can see which buyer has reserved which amount of a certain lot.
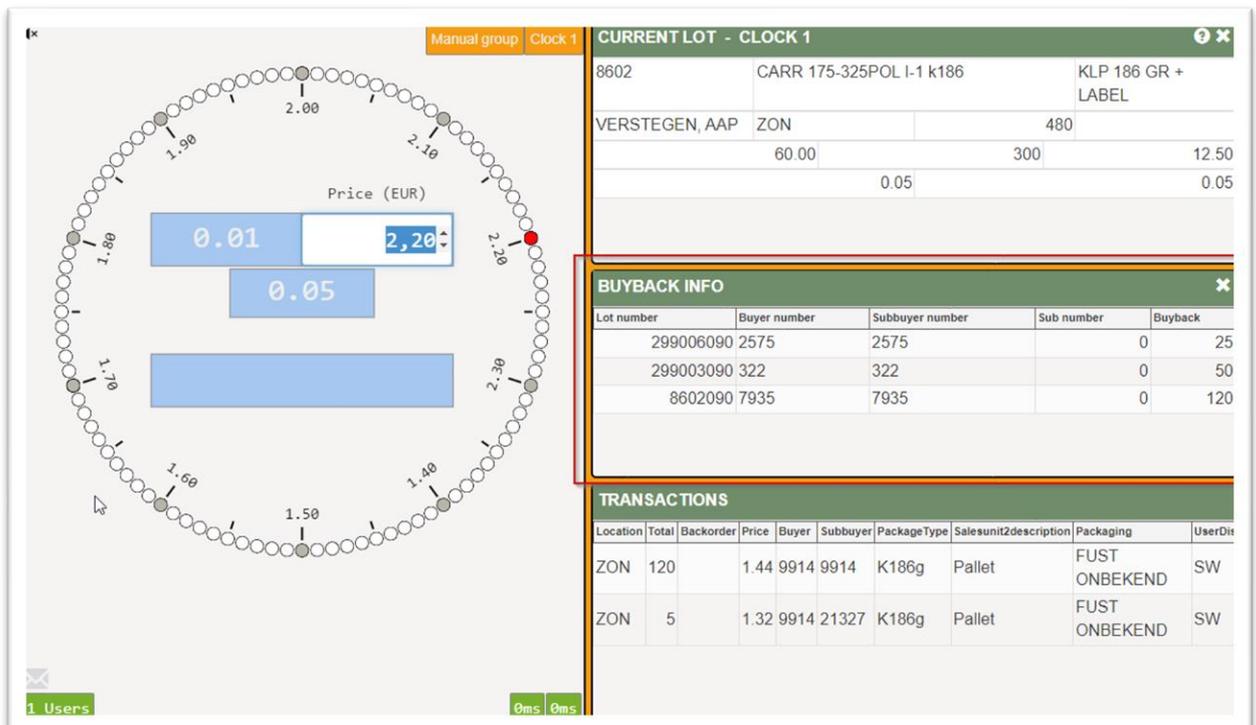
5.8 Packaging type widget in combination with validation

The packaging type widget is a new widget which is available for both auctioneer and buyer. Lots which have one or more available packaging types are listed in this widget.
When a buyer stops the clock, the buyer can request one of the available packaging types for that lot.

Please find below an example of a lot with different packaging types.

Example: auctioneer is in validation mode, above the validation widget you will see the packaging type widget. In this example, the first packaging type is currently selected.

When the auctioneer changes the packaging type in the validation widget, the corresponding record in the packaging type record is selected.

5.9 Last transaction information in clock

The clock widget (clock circle) can now be extended with a "Last transaction info" panel, which can show information of the last created transaction. For example: buyer info + purchased amount.
This information remains visible until the clock is started again and the amount of restart steps is passed (clock is in falling down mode).

5.10 Start/Stop the clock by using external HW

The auctioneer was already able to start/stop the clock by using:
- a regular keyboard, or
- a customised keyboard (preh)

KOSMOS can now work in combination with digital IOs. In this way, it is possible for the auctioneer to start and stop the clock by using:
- A pedal or other external device (button, …) *new*

5.11 Auctioneer viewer mode

An extra functionality in KOSMOS is the use of an auctioneer in "Viewer mode". The auctioneer programme can now be started in viewer or read-only mode. This means that auction staff can start a 2nd, 3rd, 4th,… auctioneer programme but only for viewing.

The only feature and functionality that this viewer mode supports, is sending messages to buyers. The viewer auctioneer can use the messaging function via the clock face and also the clock messages widget. In this way, someone else from the auction can assist the auctioneer by sending information messages to the buyers.

In order to make a difference between the (real) auctioneer and viewer auctioneer(s), we have added a "Viewer" title at the top. Also, by changing the configuration we can make a clear difference between the auctioneer and viewer auctioneer screen layout (you can change the colours and layout by adjusting the CSS).

Example: a viewer auctioneer.

≡AUCXIS 21.2.59   Viewer   ▦ Widgets ▾ 🔒

6 KOSMOS APP

Overview of improvements for the buyer

The following list gives an overview of all (buyer and/or auctioneer) widgets which have been modified and improved:

- UI
- Rising clock
- Lot pictures
- Price forking and coin codes
- Audio

6.1 UI

The user interface (clock selection) of the KOSMOS app has been improved. Because of the limited space for the current lot, upcoming lots and transaction widgets, the user can now use the new toggle buttons in order to show/hide the widgets.
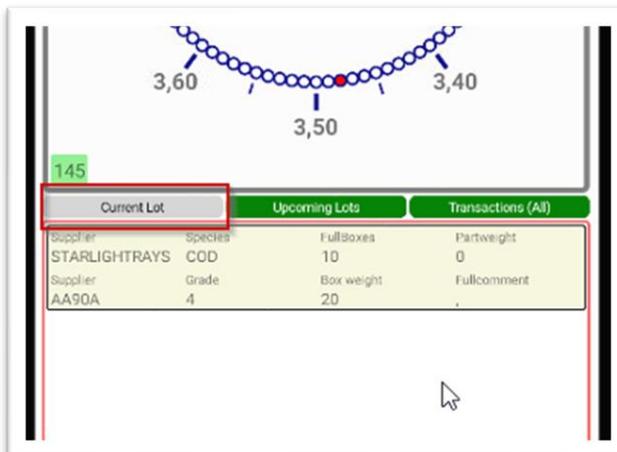

The current lot, upcoming lots and transactions can be displayed or hidden separately.
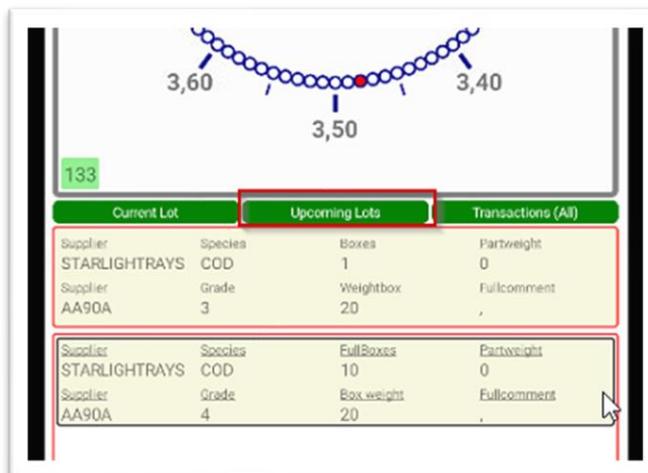
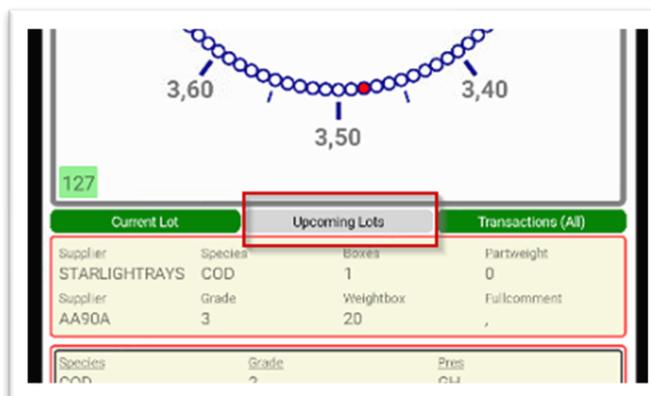*Example: use of the current lot widget*
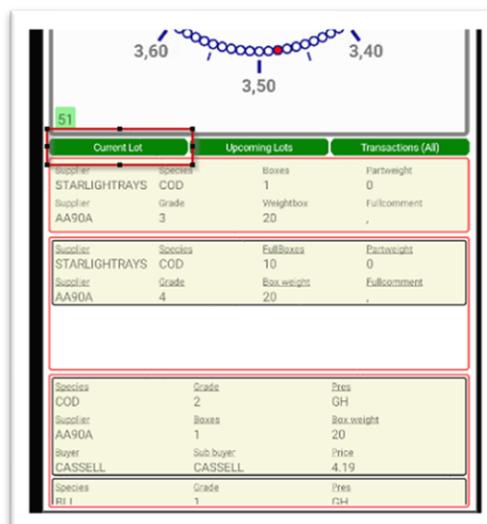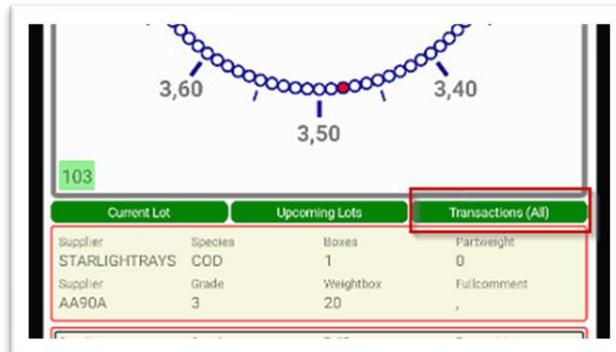
Example: hide the current lot widget

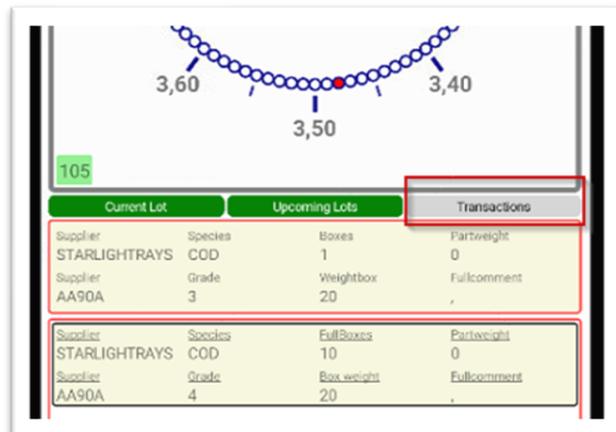*Example: use of the upcoming lot widget*

Example: hide the upcoming lot widget

Example: use of the transaction widget

Example: hide the transaction widget

6.2   Rising clock

In addition to the existing "falling down" (Dutch mode) buy principle, we have added the "Rising clock" mode to the KOSMOS app. The KOSMOS app will use the configured buying mode from the KOSMOS environment.

For the rising clock, we support 2 different modes:

- Rising mode: here the clock will automatically start to raise from the moment that the auctioneer starts the clock.
- Falling down rising mode: the clock will start in falling mode before switching to rising mode. The moment of switching to rising mode depends on the amount of buyers who are interested in the product.

6.3   Lot pictures

An additional modification to the current lot widget is the support for lot pictures. If KOSMOS is configured to work with lot pictures, these pictures are also available in the current lot now.

6.4   Price forking and coin codes

Since KOSMOS 21.1 supports price forking and coin codes, we have decided to add this feature in the KOSMOS app. The KOSMOS app can now handle multiple coin codes and supports coin code changes during the clock run. If KOSMOS is configured with price forking, the app will automatically adapt and use the same coin code.

6.5   Audio

Another important change is the support for audio in the KOSMOS app. Until now, there were limitations when making transactions. The buyers needed to use the buy popup (which could slow down the sale). Now, if the auction is using audio, the app can be used with audio instead of using the buy popup.

6.6   Translations

In addition to the existing languages (NL, FR, EN) we now also support the Spanish language.

Example: Menu in Spanish language
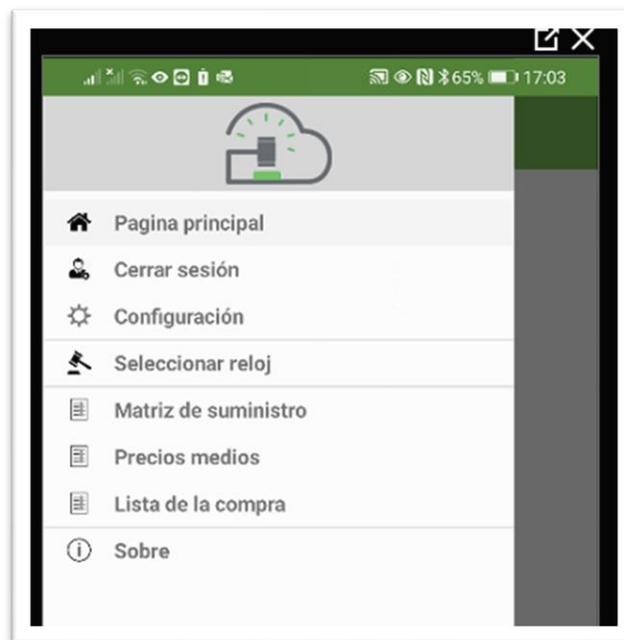
Example: Clock in Spanish language