

**KOSMOS 21.2** 

# **RELEASE NOTES**

# OUR TECHNOLOGY YOUR FUTURE

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# 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 2<sup>nd</sup>, 3<sup>rd</sup> 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 2<sup>nd</sup> 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 2<sup>nd</sup> 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



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

CURREN	NTLOT - CLO	СК 1							?	×
	2,080	TROSTOM G I	Cb SP				TOMD: 40X30	S BL GOU	JRM	i
Multi		ZON			1	, <mark>080</mark> ,				
		120.00			200				Ę	5.00
			0.01							
UPCOMI	NG LOTS								,	• x
Lotnumber	Description		MinimumPriceA	uction	MinimumPrice	Total	Buyback	Backorder		
2,081	TROS	TOM M I Cb SP			0.01	240			C	<b>*</b>
6,601	ELSTA	AR 65-70   k186			0.15	11			C	#
6,634	WELLANT FR	RE 80-90 I k186			0.15	56			C	#
6,612	ROYAL GA	LA 75-80   k186			0.15	34			C	#
6,620	GA	LA 60-65   k186			0.15	60			C	#
6,621	GA	LA 65-70   k186			0.15	30			C	#
6,622	GA	LA 70-75   k186			0.15	25			C	#
6,623	GA	LA 75-80 I k186			0.15	25			C	#
1,273	EGGPL 300-4	00M FII Cb SP			0.01	704			C	#
1,276	EGGPL 225-3	300P FII Cb SP			0.01	440			C	#



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

Grouping type:	Manual and automatic grouping	•
Manual grouping behaviour:	Filter by last selected group	•

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

	5,300	RED VINE Mi	5Ka I-S Cb			DS.RV	+SCHV		
ulti	0,000	70N		1	440				
ana		120.00		201	,440			4	5.0
		120.00	0.04	201					5.0
			0.01						
PCOM	NCLOTE								5 4
	NG LOTS								
tnumber	Description		MinimumPriceAuction	MinimumPrice	Total	Buyback	Backorder		
5,354	GRAND VINE	Rgh 5Kg I Cb		0.01	480			С	ŧ
								ß	
								ß	
								2	
								28	
								⊿	
								_2₀	
								⊿	
								23	

### 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.

Supply for the clock			Auctioneer 1 Fish (Auctioncluster)	∑ × English
Show catalogs for auction: Select				+ 0
				Q. Zoeken
Name	Auction	Description	Product T	
۹	۹	Q	Q	
Supplycatalog	Fish Auction	Supplycatalog	Fish Auction	* 🗄 🖻 🖌 🗊
Y Maak Filter				
5 10 20 30 40 50 100 200			1 ca	atalogs < 1 >

In order to copy a catalogue, you need to use the "Copy" icon on the catalogue record.



By clicking on this icon, a 2<sup>nd</sup> catalogue (copy) will be created, which is based on the original one.

Supply for the clock			Auctioneer 1 Fish (Auctioncluster)	2 × Engli:
Show catalogs for auction:				
Select				+ (
				Q. Zoeken
Name T	Auction	Description	Product T	
٩	۹	۹	٩	
Supplycatalog	Fish Auction	Supplycatalog	Fish Auction	Image: 1
[Supplycatalog] COPY	Fish Auction	Supplycatalog	Fish Auction	Image: 1
T Maak Filter				
5 10 20 30 40 50 100 200			2 ca	atalogs < 1

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 3<sup>rd</sup> 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.

user@aucxis.com
Set up two-factor authentication using TOTP
To activate two factor authentication using time-based one-time password, scan
the QR code with your authentication app. If you don't have one, we recommend
either Google Authenticator or Microsoft Authenticator.
After scanning the code, enter the six digit code from your app to verify the setup.
If you have problems scanning the QR code, do a manual setup with your code
GM3TQNRVMIZTCLJYGEZWILJUGRTDGLLCHFSDALJYMZQTIOBTMQ2TAN3BGY
MFA code
LOG IN
Not yet registered? Click here to request an account
Forgot password? Click here to recover



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.

Published	T	Salesdate	T	Supplier T	Landingport <b>T</b>	Landingdate	Т	Landingtime	T	Y Fishingdays	Fishzone	Vesselcategory	T Weight	buttons
(All)	•	Q		Q	۹	Q		Q		۹	۹	Q	Q	
~		24/01/2022		AD-1	Onbekend	22/11/2021		00:00		1	27.4.b	overig	1,641.0	1 1 0

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.

Delete multiple lots	
Do you wish to delete 9 lots?	
CANCEL DELETE	

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.

Published	Supplier Y	Species Y	Size Y	Y Weight	Presentation <b>Y</b>	Quality <b>Y</b>	Color Y	Boxtype		butt	ons
(All) •	۹	Q	Q	Q	Q	Q	۹	Q			
~	AD-1	Brill	1	979.0	Gestript	A	Normaal	Heiploeg 15		e	
~	AD-1	Coley	3	85.0	Gestript	A	Normaal	Belgisch vree	==	1	Î
~	AD-1	Cod	3	75.0	Gestript	A	Normaal	Belgisch vree	=	1	Î
~	AD-1	Catfish	4	84.0	Gestript	A	Normaal	Belgisch vree	=	1	Î
~	AD-1	Cod	3	95.0	Gestript	A	Normaal	Belgisch vree	==	1	Î
~	AD-1	Prawns	6.8	75.0	Heel	A	Normaal	Belgisch vree	=	1	Î
~	AD-1	Prawns	6.8	50.0	Heel	A	Normaal	Belgisch vree	=	1	Î
~	AD-1	Prawns	6.8	100.0	Heel	A	Normaal	Belgisch vree	=	1	Î
~	AD-1	Cod	3	98.0	Gestript	A	Normaal	Belgisch vree	==	1	Î

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.

Published	T	Supplier	Species <b>T</b>	Size <b>T</b>	Y Weight	Presentation	Quality <b>T</b>	Color <b>T</b>	Boxtype		butt	ons	
(All)	•	Q	Q prawns	۹	Q	Q	Q	Q	Q				
~		AD-1	Prawns	6.8	75.0	Heel	А	Normaal	Belgisch vreemo	=	1	î,	ō
~		AD-1	Prawns	6.8	50.0	Heel	А	Normaal	Belgisch vreemo	=	1		ē .
~		AD-1	Prawns	6.8	100.0	Heel	А	Normaal	Belgisch vreemo	==	1	î,	ē .
V T [Specie	s] Co	ntains 'prawns'											Clear
5 10 20	3	0 40 50	100 200		2					3 lots	<	1	>
PUBLISH	SEN	ID MAIL	васк D	ELETE 3 L	отѕ								



### After clicking on the delete button, confirmation is needed.

Delete multiple lots
Do you wish to delete 3 lots?

### 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.

Galesdate				
14/12/2021				
Location *			Comment	
Plymouth	⊗	•		
Supplier				
Vessel *			Port of Landing *	
AQUARIUS OF CAWSAND	8	-	Plymouth	⊗ -
Fishing days *			Fishing zone *	
8		-	Atlantic North East - Southwest of	⊗ -
Supply LotNumber		•		
Supply LotNumber		•		
Supply LotNumber		•	Size *	
Supply LotNumber Species * FLOUNDER	8	* *	Size *	⊗ -
Supply LotNumber Species * FLOUNDER Presentation *	_⊗	•	Size * 1SL Quality *	⊗ .
Supply LotNumber Species * FLOUNDER Presentation * Whole	©	•	Size * 1SL Quality * EA	⊗ • ⊗ •
Supply LotNumber Species * FLOUNDER Presentation * Whole Boxtype *	©	•	Size * 1SL Quality * EA Salesweight	⊗ •
Supply LotNumber Species * FLOUNDER Presentation * Whole Boxtype * Orange Market	© ©	· · · · · · · · · · · · · · · · · · ·	Size * 1SL Quality * EA Salesweight 25	⊗ • ⊗ • •
Supply LotNumber Species * FLOUNDER Presentation * Whole Boxtype * Orange Market Boxes *	© ©	•	Size * 1SL Quality * EA Salesweight 25 Part weight *	⊗ • ⊗ • •

= K(

Powered by Aucxis

DSMOS

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

SALESDATE*	14-12-2021 🌗 🖬	COMMENT	Backs	LOCATION*	Plymouth	VESSEL*	AQUARIUS OF
PORT OF LANDING	Plymouth	FISHING ZONE"	Atlantic North E	FISHING DAYS*	8	LOTNUMBER	
SPECIES*	FLOUNDER	SIZE*	1SL	PRESENTATION*	Whole	QUALITY	EA
BOXTYPE*	Orange Market	SALESWEIGHT	25	BOXES*	1	PART WEIGHT*	10 on 📕
FLOUNDER							×
ALBACORE	TUNAZ AME	BERJACK	ANCHOVIES	ANGLER	ANGLER CHEEK	SANGLE	R HEAD-ON
ANGLER LI	VERS	RHEADS	BASS	BREAM	BLONDE RAY	BLUE SHAP	RK BOARFISH
BRILL	HITLINGS	D CHUNKS		ODZCOL	EY COLEY CH	HUNKS	NGER EEL



### 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.

<u>Supply fo</u>	o <u>r the clock</u> > Cata	ilog i	master detail	ls > /	Aanvoer Urk 1									Joeri Hofman (A	luction	luster)	° & ×	ktop 🚺	English
															8	G	Q Zoe	ken	
	Published	T	Salesdate	T	Supplier T	Landingport	Y	Landingdate	Ŧ	Landingtime	T	Y Fishingdays	Fishzone <b>T</b>	Vesselcategory	T	Ŧ.	Weight	bu	ttons
	(Alle)	•	Q	٦	Q	Q		Q	٦	Q	٦	Q	Q	Q		Q			
	~		24-1-2022		AD-1	Onbekend		22-11-2021		00:00		1	27.4.b	overig			1.641,0	1	<b>i</b> 0
Maak 5 10 PUBLISH	Filter 20 30 40 4 GROUP LOTS	50 MAN	100 200 WALLY SI	END	MAIL												1 groups	< [	1 >

- You can switch between "Touch" and "Desktop" mode at any time.

upply for the clock > Catalog master d	<u>letails &gt; Aanvoer Urk 1</u> > Lot editor		Joeri Hofman (Auctioncluster) 온~ Eng
			Touch
LOCATION" URK	SALESDATE* 24-1-2022	SUPPLIER* AD-1	species* Cod
SIZE*	WEIGHT*	# BOXES	PRESENTATION. Gestript
QUALITY"	COLOR <sup>®</sup> Normaal	CHARACTERISTIC" VERS	BOXTYPE Belgisch vreem
boxcontent• 10			
Cod			×
ANGLERFISH	COD FLOUNDER POL	LOCK	—



JUP LOTS	MAI	NUALLY	MOVE LOTS							6 G	Q 20	ikop	l°.	Sales info -Location *				Salesdate *			
Published	v	Sunnlier 🔻	Senarias V	Size 1		Weight	Presentation V		Color T	Bostune		buttor		URK		0	•	24/			
(Alle)		Q.	Q.	Q	Q	moget	Q	Q	Q	Q				Supplier data							
~		AD-1	Roll	1		979.0	Gastrint	4	Normaal	Heinlogg 15				-Suppler *			Landing	date *	Landingt	ime *	
~		AD-1	Coley	3		85.0	Gestrint	A	Normaal	Relaisch vree	==	1		AD-1	0	٠		۵		0	
~		AD-1	Cod	3		75.0	Gestript	A	Normaal	Belgisch vree		/ 1		Landingport *			Fishing	iays "	Vak		
~		AD-1	Catfish	4		84.0	Gestript	A	Normaal	Belgisch vree		11		Onbekend			1				
~		AD-1	Cod	3		95,0	Gestript	A	Normaal	Belgisch vree		11		-							
~		AD-1	Prawns	6.8		75.0	Heel	A	Normaal	Belgisch vree	=	11	e l	Fishzone *			Vesseic	ategory			
~		AD-1	Prawns	6.8		50.0	Heel	A	Normaal	Belgisch vree		/1	e	41.4.0							
~		AD-1	Prawns	6.8		100.0	Heel	A	Normaal	Belgisch vree		/ 1	e	Product							
~		AD-1	Cod	3		98.0	Gestript	A	Normaal	Belgisch vree		1.	e	Species *	_ 8	Size *		Weight		# Boxes	
Aaak Filter														Cod 🕲	·	3	0	0	:	1	
10 20		0 40 50	100 200								Q late	9		Presentation *	Que	ilty *		Color *		Character	risti
10. 60	1.0	0 40 20	100 200								2,1013	2	1 K	Custin D			0	Normaal	0	Marr	

- 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.

					Touch +
		6	G	Q Sear	rch
days	Fishzone	Vesselcategory	Y	Weight	buttons
	Q	۹	Q		
1	27.4.b	overig		1,641.0	1 O
				1 groups	< 1 >

Column Chooser	×
✓ Published	
Grouped	
Salesdate	ļ
Supplier	
✓ Landingport	
Landingdate	



- 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.

OUP LOTS	MA	NUALLY	MOVE LOTS							Desktop
									8 <b>G</b>	Q Search
Published	T	Supplier	Y Species Y	Size <b>T</b>	Y Weight	Presentation	Quality <b>T</b>	Color <b>T</b>	Boxtype	button
(All)	•	Q	Q	Q	Q	Q	Q	Q	Q	
~		LIP-3	Flounder	2	11.0	Dicht	A	Normaal	Urk 40 kg	II / I
~		LIP-3	Plaice	4	2.0	Dicht	А	Normaal	Urk 40 kg	- II 🗸 🕯
~		LIP-3	Plaice	3	29.0	Dicht	А	Normaal	Urk 40 kg	- II 🗸 🕯
~		LIP-3	Plaice	2	42.0	Dicht	А	Normaal	Urk 40 kg	- II 🗸 🕯
~		LIP-3	Plaice	1	13.0	Dicht	А	Normaal	Urk 40 kg	- II 🗸 🕯
Create Filter										

- 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

apply for the clock > Catalog master details > Aanvoer Urk 1 > Lot editor Joeri Hofman (Auctioncluster) 음 -													۵ <sup>×</sup>										
IOVE LOTS		ADD LOT																					
																					9		Q Search
Published	Ŧ	Supplier	Ŧ	Species	Size	T	Ŧ	Weight	Presentation <b>T</b>	Quality	T Co	olor <b>T</b>	Boxtype	7 7	# boxes	Remark	Y	T Lotnumbe	r Characteristic	Ŧ	Label	r	Q Search
Published (All)	Ψ.	Supplier Q	Ŧ	Species T	Size	Ţ	<b>T</b> Q	Weight	Presentation <b>T</b>	Quality	<b>T</b> Co	olor <b>Y</b>	Boxtype	7 1 0	T # boxes	Remark	Y	T Lotnumbe	r Characteristic Q	Ŧ	Label	T :	Q Search
Published (All)	¥ •	Supplier Q AD-1	Y	Species <b>T</b> Q Brill	Size	T	<b>Τ</b> α	Weight 979.0	Presentation T Q Gestript	Quality C Q A	Т Со Q No	olor <b>Y</b>	Boxtype T Q. Heiploeg 15 kg	0	₹ # boxes 2, 994	Remark	Y	T Lotnumbe	r Characteristic Q Vers	Y	Label	r :	Q Search



- 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		© ≓			
URK	FD283	Haring-1-Dicht-A-Normaal-Vers	500		0 ≓			

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		0 ≓				

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:

otnumber	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   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.

otnumber	Description	MinimumPriceAuction	MinimumPrice	Total	Buyback	Backorder		
1,846	TOM Round 47-57 MM Cb SP		0.01	240			C	Ŧ
1,860	PRUIMTOM M 57 I Cb SP		0.05	360			C	Ŧ
1,862	PRUIMTOM MM 47 I Cb SP		0.05	240			C	ŧ
1,870	TOM VI 82-102 GG I Ds SP		0.03	184			C	ŧ
2,050	COURGET 14/21 M I Cb SP		0.01	384			C	ŧ
2,052	COURGET 21/30 G I Cb SP		0.01	256			C	4
2,303	CHICORY ShrtRgh27I-2 epsT		0.01	50			C	ŧ
2,452	RED CHICY ShtRgh I-S Cb		0.23	40			C	ŧ
2,700	PEP Red 90-110 GG I Cb SP		0.01	792			C	ŧ
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.

	0.0		04/00 01	01.00		0.01		
	2,0	52 COURGET	21/30 G I	CD SP		40X	JRG DS BL ZV 30	V
Multi		ZON			256			
		128.00		20	0		14.	00
			0.01					•
PACKAGE	TYPE							×
Lotnumber	Code	Description	Packag	e description	Conte	nt	Pallet description	
2,052	1	Packaging 1	Pack	aging 1		1.00	Pallet 1	
2,052	2	Packaging 2	Pack	aging 2	2	2.00	Pallet 2	
2,052	3	Packaging 3	Pack	aging 3	3	3.00	Pallet 3	

### 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.



TRAN	SACTION V	ALIDATIO	DN											×
												Price:		2,27
												Buyer:		*
Partij	Article	Packaging	Salesunit2content	Content	Auctionunittype	Grower	Oph	MinimumPrice	Amount	Amount	Subbuyer	Package type	Buyback	
2,052	COURGET 21/30 G I Cb SP	COURG DS BL ZW 40X30	128.00	14.00		Multi		0.01	256	10	~	2	• 0	
Limit:	0.00 / 0.00											Total an Total w Total Finish	iount: eight: price: Temporary Bl	10.00 140.00 317.80 ock Buyer

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

Lotnumber	Code	Description	Package description	Content	Pallet description
2,052	1	Packaging 1	Packaging 1	1.00	Pallet 1
2,052	2	Packaging 2	Packaging 2	2.00	Pallet 2
2,052	3	Packaging 3	Packaging 3	3.00	Pallet 3
2,052	3	Packaging 5	Раскадінд 5	3.00	Pallet 5
			N		
			4		

### 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).

Lot group minimum price	Highest minimum price V
behaviour	N 34

### 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.

CURRENTLOT - CLOCK 1				0 ×
6,634	WELLANT FRE 80-90 I k186			KLP 186 GR STKT+INT
Multi	ZON		50	15.00
∑ <sub>3</sub>	60.00	300	_	11.00
	0.15			



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

TRAN	SACTION VALIDA	ΠΟΝ										×
										Price:		1,31
										Buyer:		+
Partij	Article	Packaging	Salesunit2content	Content	Auctionunittype Growe	r Op	h MinimumPrice	Amount	Amount	Subbuyer	Buyback	
6,634	WELLANT FRE 80-90 I k186	KLP 186 GR STKT+INT	60.00	11.00	Mult		0.15	50	2		- 15	
Limit:	0.00 / 0.00									Total ar	nount:	0.00
										Total v	veight:	0.00
										Tota	price:	0.00
										Finish	Temporary	Block Buyer

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

IRANS	АСТІ	ONS												Clear	uffer 🖍
ocation	Total	Backorder	Price	Buyer	SubNr	PackageType	Lotnumber	Packaging	Salesunit2description	UserDisplayName	Buyer	PalletCode	Article	SubName	
ON	15		2.74	1 10	10		6,634	KLP 186 GR STKT+INT	Pallet		ASF HOLLAND BV	300	WELLANT FRE 80-90 I k186	ASF HOLLAND BV	6 8
ON.	50	1	1.31				6,634	KLP 186 GR STKT+INT	Pallet	ASF Holland		300	WELLANT FRE 80-90 I k186		6 8
ON.	1		1.53	3			6,634	KLP 186 GR STKT+INT	Pallet	IKKE		300	WELLANT FRE 80-90 I k186		6 8
ON	1		2.00	)			6.634	KLP 186 GR STKT+INT	Pallet	IKKE		300	WELLANT FRE 80-90 I k186		0 8

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





General	Reporting	Auction cluster	Buyer	
				+
Buyer name		Role		
ADA GROEN	TE	Buyer administrator		
ser display n	ame: 456 - AD	A		

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.

	_	-	-	-	-		_			
ID	AID code	Name T	Quantity box	Latin name	Υ	Min Quantity Start price	Y Order	DefaultImage T	AvailableInTouch	
	۹	۹	۹	Q,	Q,		Q,	۹	(ILA)	
1	FLE	Flounder	40	Platichthys Flesus		10	65		~	
2	CSH	Prawns	20	Crangon crangon		1	150	TR.	~	
3	BLL	Brill	40	Scophthalmus Rhombus		1	25	•	~	
4	MON	Anglerfish	40	Lophius Piscatorius		1	30	8	~	
5	COD	Cod	30	Gadus Morbua		10	70	-	~	

### - 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
  - Everywhere where a thumbnail is available, the user can hover over the thumbnail to see a larger picture.
  - In addition to the existing image widget, we can add a thumbnail of the image inside the upcoming lot widget.



Location	Supplier	Article	Weight	Remark	DefaultSpeciesImages		
URK	AD-1	Catfish-4-Gestript-A-Normaal-Vers	84.0			C	Ŧ
URK	AD-1	Cod-3-Gestript-A-Normaal-Vers	98.0		attered	C	Ŧ
URK	AD-1	Cod-3-Gestript-A-Normaal-Vers	95.0		-	C	Ŧ
URK	AD-1	Cod-3-Gestript-A-Normaal-Vers	75.0		and the second	C	Ŧ
URK	AD-1	Coley-3-Gestript-A-Normaal-Vers	85.0			C	÷
URK	AD-1	Prawns-6.8-Heel-A-Normaal-BL 1	75.0		THE	C	÷
URK	AD-1	Prawns-6.8-Heel-A-Normaal-BL 1	50.0		ALL .	С	÷
URK	AD-1	Prawns-6.8-Heel-A-Normaal-BL 1	100.0		AND I	C	Ŧ

• Thumbnails are also possible in all prebid popup screens.

Supplier	т	Weight T	T.	Total weight	ArticleClock	DefaultSpeciesImages	T	Prebid amount	Prebid pri
Q		Q	Q		۹	۹			
AD-1		100		100	Brill-1-Gestript-A	•		100	

 $\circ$   $\;$  The supply monitor can be extended with a thumbnail.

Run										
Catalogs Aanvoer Urk 1	Clocks     Select	•	Date Friday, 28 January 2022	۵						
RON										1. A. Y. C. C. V.
↓ ↓										iearch
upplier	T Weight	Ţ	T	Total weight	ArticleClock	Ţ	DefaultSpeciesImages		Q S	iearch
upplier	T Weight Q.	Ţ	<b>T</b> Q	Total weight	ArticleClock Q,	Ŧ	DefaultSpeciesImages Q		() () () () () () () () () () () () () (	iearch
upplier L D-1	Weight Q 100	Ţ	<b>Q</b>	Total weight	ArticleClock Q. Brill-1-Gestript-A	Ŧ	DefaultSpeciesImages Q			iearch
ipplier L D-1 D-1	Veight Q, 100 84	Ţ	<b>T</b> Q	Total weight 100 84	ArticleClock Q, Brill-1-Gestript-A Catfish-4-Gestript-A	Ÿ	DefaultSpeciesImages Q	•	(Q)	iearch
upplier 2. D-1 D-1 D-1	Veight Q, 100 84 98-95-75	Ŧ	¥ Q	Total weight 100 84 268	ArticleClock Q. Brill-1-Gestript-A Catfish-4-Gestript-A Cod-3-Gestript-A	Ţ	DefaultSpeciesImages Q	•	<b>Q s</b>	iearch
upplier 2, 10-1 10-1 10-1	Weight Q, 100 84 98-95-75 85	Ŧ	Ϋ́ α	Total weight 100 84 268 85	Article/Clock Q, Brill-1-Gestript-A Cattleh-4-Gestript-A Cod-3-Gestript-A Coley-3-Gestript-A	Ŧ	DefaultSpeciesImages Q,	•	The second secon	iearch



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### 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).

Coley						
Crab						
Crey Mullet			Salesdate	•		
Dab	8	-	24/			
Dorade						
Dover Sole		Landia		L an dia		
Eel 😡			goate 🗂	Landin	gtime	
Eigen gebruik					0	
Flint		Fishing	days *	Vak		
Flounder	-	1				
Garfish		Vessel	ategory			
Garnaalziftsel	•	overi	ategory		,	
Garnalen Ziftsel						
Gladde Haai						
Grenadiervis	Size *		Weight	•	# Boxes	
Brill 😣 💌	1	8	0	÷	1	•
Presentation *	Quality *		Color *		Character	istic *
Gestript 🛞	A	8	Normaa		Vers	$\otimes$
		•	David		Label	
Boxtype	Boxcontent	<b>^</b>	ROWS	•	Label	



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).

LOCATION" URK	SALESDATE* 24/01/2022	SUPPLIER* AD-1	species• Brill
SIZE*	WEIGHT*	# boxes 1	PRESENTATION Gestript
QUALITY* A	COLOR <sup>®</sup> Normaal	characteristic. Vers	вохтуре• Heiploeg 15 kg
BOXCONTENT*		IMAGE	
rill			×
ANGLERFISH	COD FLOUNDER POL	LOCK	

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.

r.	ID	AID code	Name T	T Quantity box	Latin name 🛛 🍸	Min Quantity Start price	T Order	Defaultimage T	AvailableInTouch
λ		۹	Q	Q	۹	٩	Q	۹	(All)
	1	FLE	Flounder	40	Platichthys Flesus	10	65	<b>4</b>	~
	2	CSH	Prawns	20	Crangon crangon	1	150	-	~
	3	BLL	Brill	40	Scophthalmus Rhombus	1	25	•	~
	4	MON	Anglerfish	40	Lophius Piscatorius	1	30	8	~
	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		

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



# 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.



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The following screenshot shows an overview of a grid filled with one lot.

Ed	lit prebid																		×
																		Q, Sea	ich
T	Mainlotnumber	Article	Ŧ	Packaging T	Grow	er T	Location	7 7	Amount	Backorder	T.	BuybackTotal	Ŧ	AuctionRow T	Prebid amount	Prebid price	Prebid subbuyer		All or nothing
0	L. C.	۹		۹	Q,		Q,	0		Q		Q		Q					
	7,419	FURORE M/R 10x500 I k	:136	KLP 136GR10xB57/STK	301,0	70	ZON		36					AARDB. BEDEKTE TEELT	36	1.25	Select	٠	
Cre	eate prebid for all:	EL .														5			

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).

Prebid amount	Prebid price	Prebid subbuyer		All or nothing
1	2	3		4
10	1.25	0 - Buyer Fish 1	⊗ -	•
	<u> </u>	I		

### 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 subbuyer" (3) options.

	Current and	Causian 🔍	Gas 🔻	D	T	Deathering
Q.	Q	Q	Q.	Q	Q Fullboxes	Q
Location 1	SUPPLIER3	HADD	1	GH	1	
Create prebid for	all: 🗸					٦
Prebid price:					1	
All or nothing:	2					



### 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).

Location	Supplier T	Species 🛛 🍸	Size <b>T</b>	Pres T	T FullBoxes	Y Partboxes	Box type	Y Box weight	Tot. weight lot	Prebid price	Prebid subbuyer	
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Location 1	SUPPLIER3	HADD	1	GH	1	0	CALEY	21				+≣
Location 1	SUPPLIER3	HADD	1	GH	1	0	CALEY	22				+≣∎
Location 1	SUPPLIER3	HADD	1	GH	1	0	CALEY	23		1.25	0 - Buyer Fish 1	+ ≣ ■ 1
Location 1	SUPPLIER3	HADD	1	GH	1	0	CALEY	24				+≣≣

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

Delete prebid
Are you sure you want to delete prebid lot?
CANCEL DELETE

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.

																Q S	arch
ocation	Supplier	Species <b>T</b>	Size T	Pres	T Full	Boxes	Partboxes	ТВ	Box type 🛛 🝸	T	Box weight	Tot. weight lot	Prebid amount	Prebid price	Prebid subbuyer		All or noth
Q,	Q	Q	Q	Q	Q		Q,	C	Q,	Q,							
ocation 1	SUPPLIER3	HADD	1	GH		1		c	CALEY		23		1	1.25	0 - Buyer Fish 1	· ③	



### 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.

CURRENTLOT - CLOCH	۲۱				<b>8 x</b>
200	CHINCAB BL2 1400 I-2 k	k246	K	LP 246/6GR	
BEEREN-VERHEIJE	ZON		100		
	10.00				10.00
		0.01			

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

TRANSACTION VALIDATION Price 0.7 Buyer: OPGEHOUDEN Salesunit2content Content Unit Grower Buybac Lotnr Article Packaging Oph Mini mPrice A Subbuyer 292005 CHINCAB BL2 1400 I-2 k246 KLP 246/6GR 10.00 10.00 **BEEREN-VERHEIJE** 0.01 10 0 - 9914 ~ 0 Limit: 9.00 / 10.000.000.00 Total amount 5.00 50.00 Total weight 35.00 Total price

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.

RANSA	CTION VALIDATION														
												Price:			0,81
												Buyer:		OPGEI	HOUDEI
.otnr	Article	Packaging	Salesunit2content	Content	Unit	Grower	Oph	MinimumPrice	Amou	nt 🖌	mount	Subbuyer		Buyback	
292005	CHINCAB BL2 1400 I-2 k246	KLP 246/6GR	10.00	10.00		BEEREN-VERHEIJE		0.01	9	95	0	0 - 9914	~	0	
.imit: 9.0	0 / 10,000,000.00											Total Tota	amo I we	ount: ight: rice:	

If the next buyer orders 5 pallets ( $2^{nd}$  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 2<sup>nd</sup> sales unit (pallets in this case), the auctioneer can use a function key to toggle the current sales unit.

TRANSA	CTION VALIDATION												3
											Price:		0,81
											Buyer:	c	PGEHOUDEN -
5 Pallet x	(10 = 50 Article	Packaging	Salesunit2content	Content	Unit Grower		Oph I	MinimumPrice	Amount	Amount	Subbuyer	Buyba	ck
292005	CHINCAB BL2 1400 I-2 k246	KLP 246/6GR	10.00	10.00	BEERE	N-VERHEIJE		0.01	95	5	\$ 0 - 9914	<b>~</b> 0	
Limit: 9.0	0 / 10,000,000.00								I	G	Total a Total Tota	amount: weight: al price:	50.00 500.00 405.00
											Finish	Тетро	orary Block Buyer

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 2<sup>nd</sup> 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.

ocation	Total Back	order Price	UserDisplayName	Buyer	Subbuyer	Buyer	PackageType	Packaging	Lotnumber	Salesunit2description	PalletCode Ar	rticle	SubName
ZON	50 5 pall	0.81 ets = 50 box	My custom	9914	9914	OPGEHOUDEN		KLP 246/6GR	292005	Pallet	C B I-;	HINCAB L2 1400 2 k246	OPGE
ZO <mark>N</mark>	5 Boxes	0.70	My custom name	9914	9914	OPGEHOUDEN		KLP 246/6GR	292005	Pallet	C B I-3	HINCAB L2 1400 2 k246	OPGE

#### And the remaining amount is 45 boxes.

TRANSA	CTION VALIDATION													×
	ß										Price:		1,	,01
											Buyer:		OPGEHOUD	EN -
Lotnr	Article	Packaging	Salesunit2content	Content	Unit	Grower	Oph	MinimumPrice	Amou	nt Amount	Subbuyer	1	Buyback	
292005	CHINCAB BL2 1400 I-2 k246	KLP 246/6GR	10.00	10.00		BEEREN-VERHEIJE		0.01	4	15 🖸	0 - 9914	~ (	0	
Limit: 9.0	0 / 10,000,000.00										Tota Tota To Finis	l amou al weig otal pri h	int: jht: ce: femporary Block E	0.00 0.00 0.00 Buyer

### 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.



TRANSA	CTION VALIDATION												×
										Prijs:			2,35
										Koper:		ASF HOLLA	ND BV +
									Aantal	Subkoper		Buyback	
6601	ELSTAR 65-70   k186	KLP 186 GR STKT+INT	60,00	11,00	KG	Multi	0,15	6	0	\$ 0 - 10	÷	0	
206601	ELSTAR 65-70 I k186	KLP 186 GR STKT+INT	60,00	11,00	KG	Multi	0,15	5	0	0 - 10	÷	0	
Limiet: 0	,00 / 50.000,00									Tota	le aa	antal:	0,00
										Totaa	lgev	vicht:	0,00
										To	otaal	lprijs:	0,00
										Finis	h	Temporary Blo	ck Buyer

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.

General	Prebids	Validation	Buffer	Cleanup	Demo
Enable trans	saction buffer:		~		
Grouped bu	iffer:				
Transaction	buffer size:		10		÷
Allow remo	ve transaction:		✓		
Lot position	after deleted t	ransaction:	After current	lot	•
Allow edit c	of transactions o	outside buffer:			
Allow undo	transaction:		<ul> <li>Image: A set of the set of the</li></ul>		
Allow copy	transaction:		~		

When these options are activated, the auctioneer will see 2 extra buttons in the Edit transaction popup.

E	dit	tran	saction												
												Price:	1		
												Buyer:	WEGE	N, TH VD	~
	<b>1</b>	Lotnr	Article	Packaging	Salesunit2content	Content	Unit	Grower	Oph	MinimumPrice	Amount	Amount		Subbuyer	
	2	1860	PRUIMTOM M 57 I Cb SP	TOM PRDS ZW BL 40X30	120	6	KG	Multi	0	0.05	30	30	¢	5 - 3472	~
														Total amount: Total weight: Total price:	30.00 30.00 30.00
														Cancel Co Copy	Undo



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.* 

tnr	Code	Description					Pac	kage description	on 🗟		Content	Pall	et descriptio	on	
99001		1 CARR 50-1	50POL I-1 k18	36			K1	86g				12.50 PC	OL		
99001		2 CARR 50-1	50POL I-1 k18	36			K1	86g				12.50 PC	OL		
9001		3 CARR 50-1	50POL I-1 k18	36			K1	86g				12.50 PC	OL		
9001		4 CARR 50-1	50 POL I k248	3			K2	463				20.00 PC	OOL		
99001		5 CARR 50-1	50POL I-1 k18	36			K1	86g				12.50 EU	IRO		
99001		6 CARR 50-1	50POL I-1 k18	36			K1	86g				12.50 EU	IRO		
RANSA	ACTION VALIDA			26			V.	964				12 50 EL Price:			1,52
RANSA			Salesunit2content	Content III	nit Grouwer	Oph	MinimumPrice	Amount Amou	4	Subbuyer		Price: Buyer:		OPGEHO	1,52 UDEN ~
otnr 600	ACTION VALIDA Article CARR 50- 150POL I-1 k186	Packaging KLP 186 GR + LABEL	Salesunit2content 60.00	Content Ur 12.50 K	nit Grower G VERSTEGEN, AAP	Oph 0.05	MinimumPrice 0.05	Amount Amoun 60 0	ıt	Subbuyer 0 - 9914	Ţ	Price: Buyer: Package type	BO Bu	<b>OPGEHO</b> yback	1,52 UDEN ~

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

tnr	Code	Descri	ption					P	ackage de	scription		Content		Pallet descri	iption	
99001		1 CAR	R 50-150POL I-1	k186				K	186g				12.50	POOL		
9001		2 CAR	R 50-150POL I-1	k186				К	186g				12.50	POOL		
99001		3 CAR	R 50-150POL I-1	k186				K	186g				12.50	POOL		
99001		4 CAR	R 50-150 POL I k	248				К	2463				20.00	POOL		
99001		5 CAR	R 50-150POL I-1	k186				к	186g				12.50	EURO		
99001		6 CAR	R 50-150POL I-1	k186				К	186g				12.50	EURO		
RANSA	ACTION VALIDA	ATION		k196					1960				12.50 Pri			1,49
RANSA	ACTION VALIDA			1496					1964				12.50 Prid Buy	er:	OPGEHO	1,49 DUDEN
RANSA	ACTION VALIDA	TION	Salesunit2cor	tent Cont	tent Un	iit Grower	Oph	MinimumPrice	Amount	Amount	Subbuyer		12.50 Prid Buy Package typ	er:	OPGEHO	1,49 DUDEN
Lotnr 8600	Acticle CARR 50- 150POL I-1 k186	Packaging KLP 186 C LABEL	Salesunit2cor SR + 60	tent Cont .00 12.	tent Un	it Grower G VERSTEGEN, AAP	Oph 0.05	MinimumPrice 0.05	Amount 60	Amount 0	Subbuyer 0 - 9914	Ψ	12.50 Priv Buy Package typ	ce:	OPGEHC Buyback 0	1,49 DUDEN



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 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>,... 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.





# 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

3,0	50 7000	20 <b>0</b> 00	3,40
	3	.50	
_		,	
51	_		
Current Lot	Upco	ming Lots	Transactions (All)
Supplier	Species	Boxes	Partweight
STARLIGHTRAYS	COD	1	0
Supplier	Grade	Weightbox	Fullcomment
AA90A	3	20	1
Supplier	Species	EullBoxes	Partweight
STARLIGHTRAYS	COD	10	0
Supplier	Grade	Box weight	Fullcomment
AA90A	4	20	
Species	Grade		Pres
COD	2		GH
Supplier	Boxes		Box.weight
AA90A	1		20
Buyer	Sub buyer		Price
CASSELL	CASSELL		4,19
Species	Grade		Pres



### 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

