

Cscape 10 & Canvas

Customer Presentation



Agenda

- What are Cscape 10 and Canvas?
- Where does Canvas fit?
- Canvas Model Lineup
- Canvas Support Materials
- Cscape 10 Feature Summary
- Cscape 10 Features Exclusive to Canvas





What is Cscape 10?

- Cscape 10 is a major new release of our configuration software for ALL Horner All-in-one Controllers
- Cscape 10 remains a FREE download from our website
- Cscape 10 contains features usable in any modern OCS, as well as features exclusive to the new Canvas OCS





What is Canvas?

- Canvas is the latest family of Horner OCS All-in-one Controllers
- Canvas offers three primary differentiators from other Horner OCS product lines:
 - An Advanced Graphics Engine
 - A Dual-Core Microprocessor with dedicated Graphics & Logic cores
 - IIOT Functionality as Standard





Where Does Canvas Fit?



Micro OCS Simple Machines

XL Prime OCS Standard Machine Control **Canvas OCS** Advanced Graphics & IIOT

CANVAS

10D

HORNER

CANVAS 7

+ 353 214321266

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- Five (5) Screen Configurations
- Advanced Graphics
- Dual-core Microprocessor
 - Logic Core & Graphics Core
- IIOT Features Standard
 - MQTT & WebMI+
- OCS Peripherals
 - CAN, LAN, Serial, microSD, USB-A & USB-programming
- Enhanced IEC pre-licensed
 - Simulation & Breakpoints





 All Canvas Models Feature Redesigned System Graphics & Simple Gesture Support



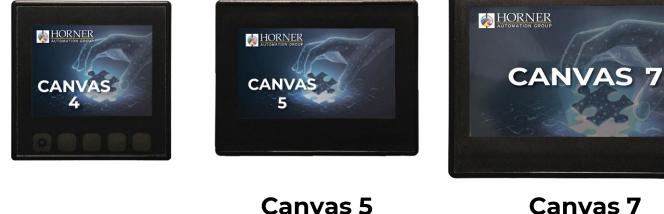








- Canvas 4
 - XL Series I/O options Models 0, 2, 3, 4, 5, 6
- Canvas 5
 - X5 I/O complement
 - 4 DI + 4 DO + 4 AI
- Canvas 7
 - XL Series I/O options Models 0, 2, 3, 4, 5, 6



Canvas 4 320 x 240 Color Touch w/Buttons Canvas 5 480 x 277 Color Touch Canvas 7 800 x 480 Color Touch

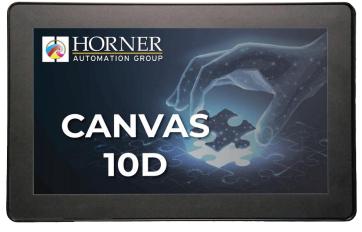
Contact your local distributor for pricing.



- Canvas 7D
 - XL Series I/O options Models 0, 2, 3, 4, 5, 6
 - Dual Ethernet & Dual CAN
- Canvas 10D
 - XL Series I/O options Models 0, 2, 3, 4, 5, 6
 - Dual Ethernet & Dual CAN







Canvas 10D 1024 x 800 Color Touch

Contact your local distributor for pricing.

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OVERIAY Options Example: Canvas 4 Model 2 Part Number: HE-CV-035C-02

We offer a range of overlay options for the entire Canvas series to ensure it fits right into your existing application.

By adding a suffix at the end of the part number, you can choose the specific overlay option you require.



HE-CV-035C-02

Omission of additional Suffix Specifies a Black overlay & keypad.



HE-CV-035C-02-00

Suffix -00 specifies a Blue/Black overlay & keypad.

4 575 P P B P HE-CV-035C-02-01

HORNER

CANVAS

Suffix -01 specifies an Instrument Grey overlay & keypad. CANVAS 4

Suffix -02 specifies No overlay & keypad fitted. (Customer fits their Own)

HE-CV-035C-02-02

These options are available for order on all Canvas units using the above suffixes. **Custom overlays are also possible, please contact your local distributor to discuss your requirements.**

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Canvas Support Materials

- Canvas Product Selection
 Brochure available from
 <u>www.hornerautomation.eu</u>
- Website Product Pages contain all the following downloads:
 - User Manuals
 - Datasheets
 - Sales Sheets







Canvas Availability – July 1st

- All Models are "Build-to-Order" lead times from factory: a 2–3 week (4, 7, 7D) and 4-6 week (5, 10D)
- Please contact your local Horner Distributor for up-to date availability and lead times for your locale.





Cscape 10 Feature Summary

- User Interface Updates
 - Quick Menu Button
 - Ribbon Toolbar
 - Quick Access Toolbar
- Graphics Editing Changes
 - Editing Screen Graphics in Tabs
 - Graphics Toolbar
 - Graphics Toolbox
- Redesigned Graphics Objects Exclusively for Canvas



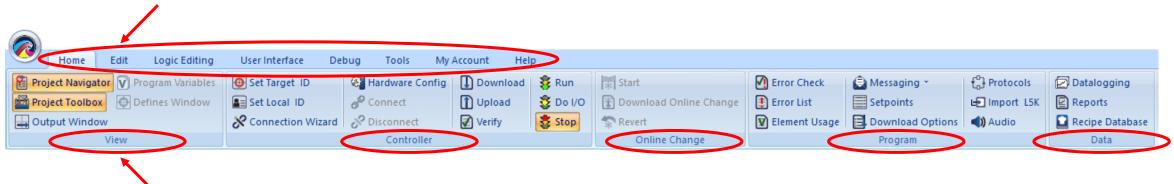


Cscape 10 – Quick Menu Button Program Management 💌 💭 😫 🏙 井 (New, Open, Save, etc.) New New Recent Documents 🚔 Open **Recent Programs** 1 EnhancedGraphicsDemo_Canvas7_10.0.247_v1.07.csp Save 2 EnhancedGraphicsDemo Canvas7 10.0.197 v1.07.csp Access to Frequently Used Functions Save As... Manage Backups 3 benchMarking 1.csp Print... (Export, Print, etc.) 4 benchMarking _4_logic size 5% -with_protocols.csp Export To PGM 🕵 Export To Envision Close Settings All Program Settings 🚰 E<u>x</u>it in a single item



Cscape 10 - Ribbon Toolbar

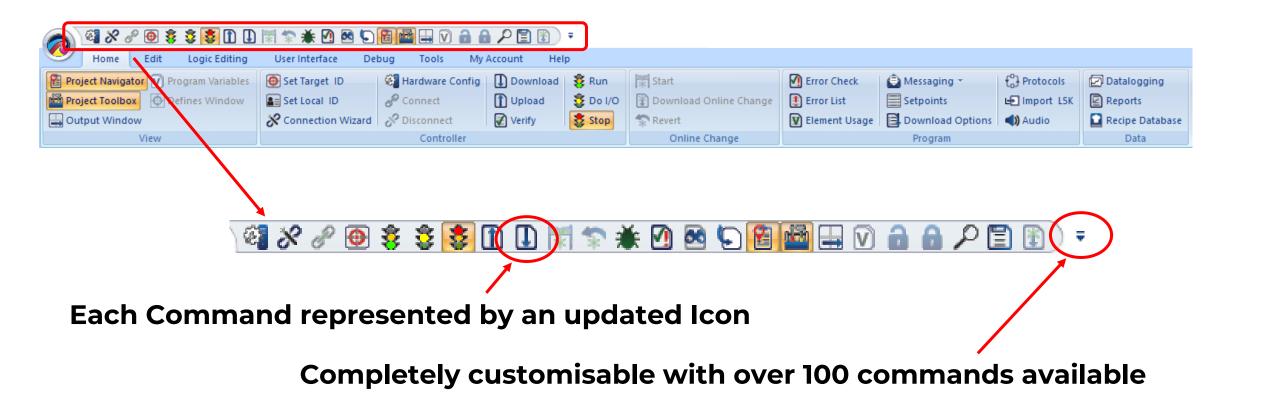
Commands Categorised into 8 Different Tabs



Each Tab Divided into Command Groups

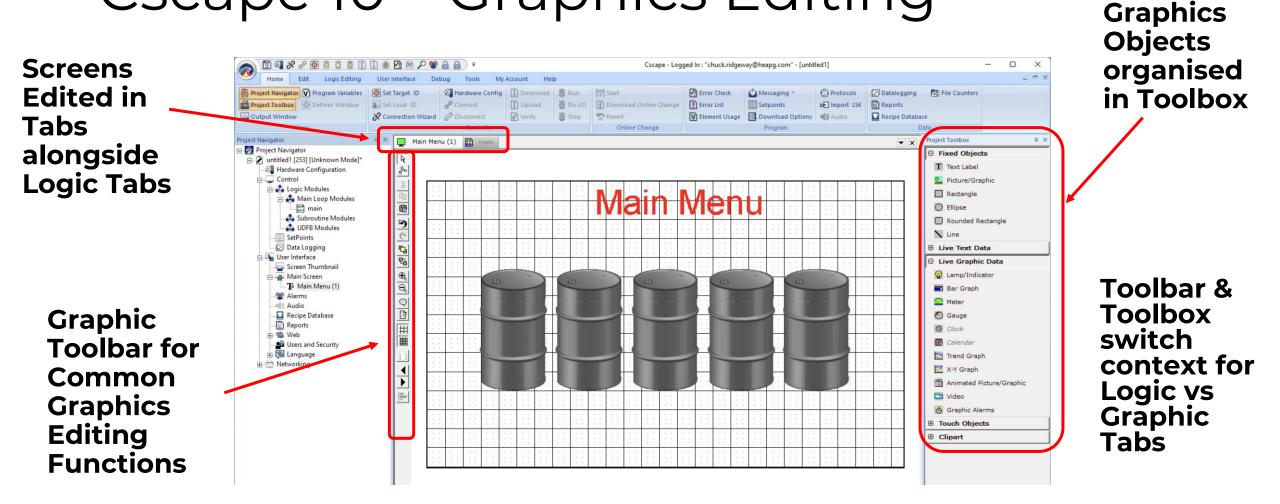


Cscape 10 – Quick Access Toolbar



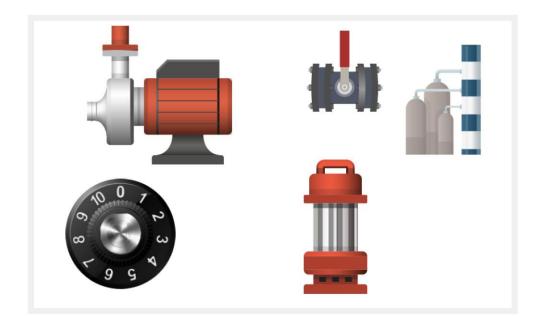


Cscape 10 – Graphics Editing





New Clipart Images



Hundreds of Images in 30+ categories Available in all versions of Cscape Compatible with all OCS Models

Θ	🖯 Clipart					
	Ð	Agriculture				
	Ð	Backgrounds				
	Ð	Barrels & Tanks				
	Ð	Brewing				
	Ð	Business Communication				
	Ð	Compasses & Clocks				
	Ð	Computer Chips				
	Ð	Construction				
	Ð	Conveyors Mfg				
	Ð	Dials & Knobs				
	Ð	Ductwork				
	Ð	Fans & Blowers				
	Ð	Gas Cylinders & Tanks				
	Ð	Gestures				
	Ð	Heating Cooling				

Ð	Logos
Ð	Media
Ð	Medical
Ð	Meters & Gauges
Ð	Miscellaneous
Ð	Motors & Pumps
Ð	Oil & Gas
Ð	People
Ð	Pipes & Valves
Ð	Robots
Ð	Signs
Ð	Silos & Tanks
Ð	Sliders & Switches & B
Ð	Smokestacks
Ð	Switches
Ð	Writing



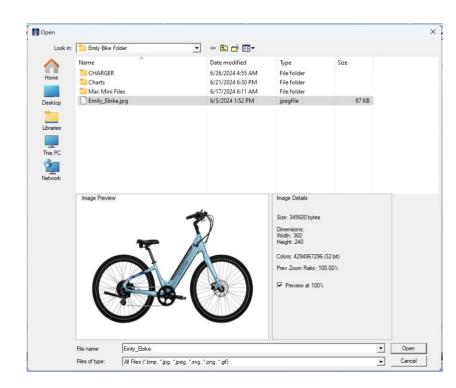
Continued Support for Symbol Library

- Cscape 10 with Symbols
 - Symbol Factory and Clipart
- Cscape 10 FREE Download
 - Clipart only

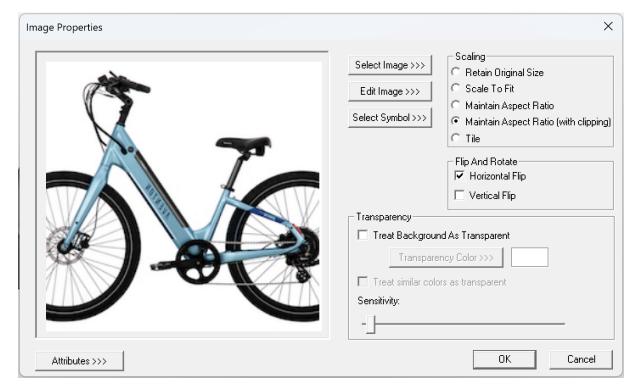
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Cscape 10 – New Image Import Window







Manipulate images (Scale, Flip, Eliminate Background)



Cscape 10 - Canvas Exclusive Graphics

- Enhancements for All Objects
 - Enhanced Attributes
 - Custom Backgrounds
- Updated Objects
 - Indicator Objects
 - Data Objects
 - Switch & Button Object
 - Jump Object
 - Slider Object
 - Gauge & Meter Objects

- Redesigned from the Ground Up
 - Trend Object
 - XY Graph Object
 - Alarm Object
 - Recipe Object
 - Video Object



Enhanced Attributes (All Objects)

Enhanced Display	Attribute Structu	re Variable:	Barrel[0]	>	
Opacity	100	Address:	Or Barrel[0].EnhanceOpacity		16-BIT
Rotation	,	Address:	Barrel[0].EnhanceRotation		16-BIT
х	60	Address:	Barrel[0],EnhanceXAxis	>	16-BIT
Y	144	Address:	Barrel[0].EnhanceYAxis	>	16-BIT
Width	170	Address:	Barrel[0].EnhanceWidth	>	16-BIT
Height	216	Address:	Barrel[0].EnhanceHeight	>	16-BIT
attribute v	alue will be read fi shall not be autom	rom that registe	e corresponding display er/variable. Attribute values d to corresponding	Cancel	



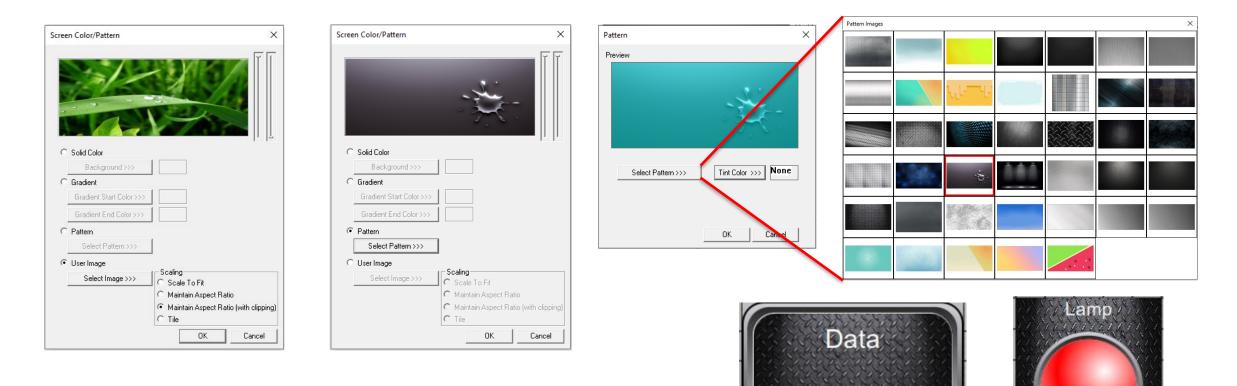
Assign to Multiple Variables or a single Structured Variable

Attribute Changes at Runtime with the Variable Value

Also X-position & Y-position



Customized Backgrounds (All Objects)



Unit 1,Centrepoint,Centre Park Road Cork,T12 H24E, Ireland



Data Object Enhancements



Optional Tumbler Editing

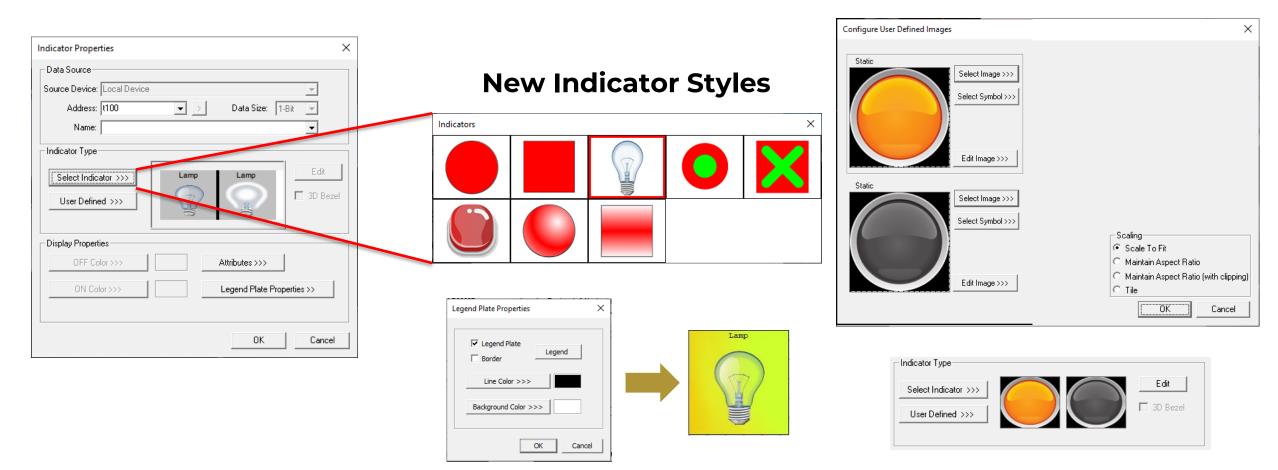


Button Style X					
Display Style Round Rectangle Round End	C Round / Ellipse				
Simple Simple					
Background Color / Image	* >>>				
	OK Cancel				

New Shape Options

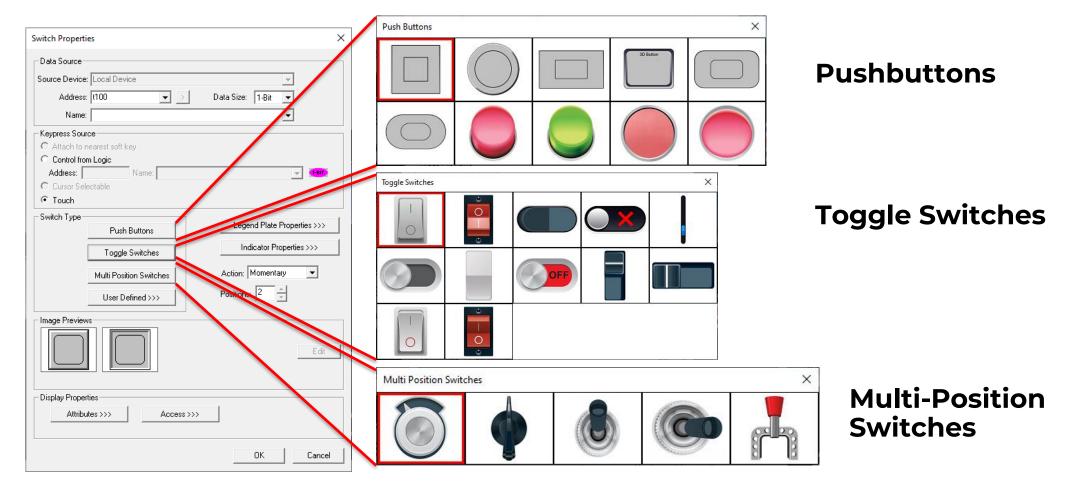


Indicator Enhancements





Button & Switch Enhancements





Jump Button Enhancements

Х

Alarm Button Style Round Rectangle Round / Ellipse Round End Classic Style		
Round Rectangle C Round / Ellipse	Alarm	
I 3D Bezel		Round Rectangle Round / Ellipse Round End Classic Style
Data Objects Background Color / Image >>> Lutto	Data Objects	Background Color / Image >>>
OK Cance	8	OK

Jump	Start	Stop	Home	Alarms	Trends
Print	Maintenance	Help	Next	Previous	Left Arrow
Right Arrow	Start-Stop	Settings	Security	Network	
Zoom			Clock	Date	Time

reen Jump Properties X	creen Jump Properties
Jump to Screen number Right Swipe: Address / Screen number:	-Jump to Screen number Right Swipe: Address / Sc
1 Name: Screen >	1 Name:
🔲 Simulate ESC	🔲 Simulate ESC
Allow ESC to Return	I Allow ESC to Return
Keypress Source	Keypress Source
C Attach to nearest soft key	C Attach to nearest soft k
C Control from Logic	C Control from Logic
Address: Name:	Address:
C Cursor Selectable	C Cursor Selectable
Touch	Touch
Display Properties	Display Properties
Attributes >>> Display Style >>>	Attributes >>>
Legend >>> Legend/Line Color >>>	Legend >>>
Access >>>	Access >>>
Left Swipe: Address / Screen number:	Left Swipe: Address / Sci
1 Name: Screen >	1 Name:
OK Cancel	

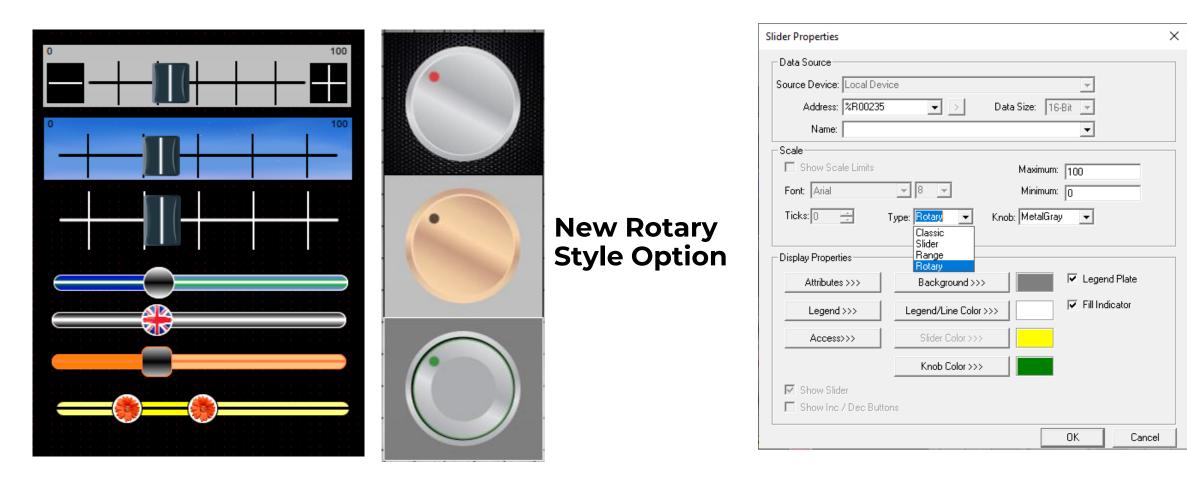
Screen Change via a **Swipe Gesture** (optional)

Cscape 10 Features



Canvas Exclusive

Slider Enhancements



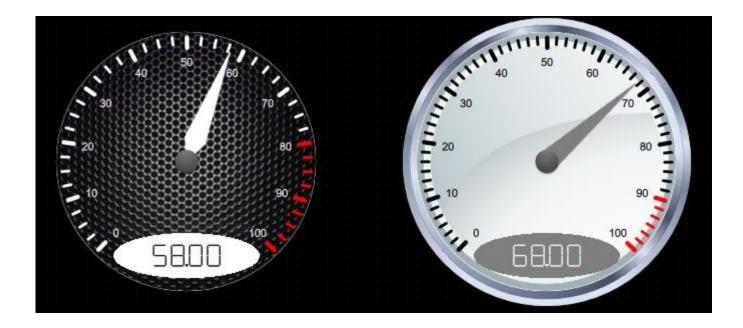


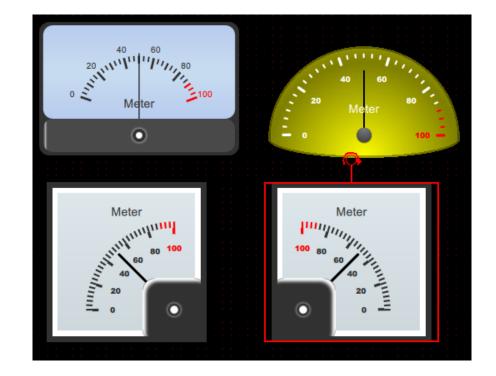
Bar Graphs & Progress Bar Enhancements

		Bar / Meter Properties ×
Fill Color/Pattern × C Solid Color Background >>> Background >>> C Gradient Gradient Start Color >>> Gradient Start Color >>> C Gradient End Color >>> C Pattern Select Pattern >>> Select Pattern >>> C Select Image Scaling Select Image C		Data Source Source Device: Address: XR06999 Data Size: 16-Bit Name: Scale Scale Show Scale Limits Maximum: 100 Font: Arial Ticks: O Display Properties Attributes >>> Background >>> Image: Image: Image: Image: Scale State Image: Image:
C Maintain Aspect Ratio C Maintain Aspect Ratio (with clipping) C Tile	Linear or Rotary Style	OK Cancel



Gauge & Meter Object Enhancements





New Styles & Support for all Variable Types (INT, DINT, REAL)

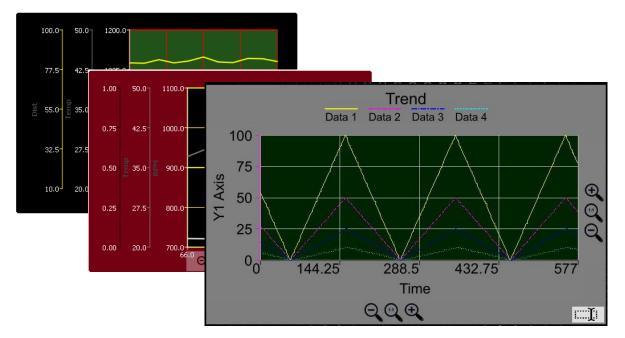
Unit 1,Centrepoint,Centre	Park	Road
Cork,T12 H24E, Ireland		

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Redesigned Trend & Graph Objects



Support any Data Type (INT, DINT, REAL) Dynamically Show/Hide Pens at Run-time

True XY Graph & Scatter Graph options

rend Properties						>
-Trend Type C Snap Shot Scope C Continuous Scope		dard Trend ntive Trend				Trend
Trigger Source Device: Local Device Address: PR059001 > Data Size: 1-Bit > Name: Display Options P Display Horizontal Grid						
Pens # Data Source 1 %R03801 2 %R03802	IO Name	Axis Y1 Y1	Minimum 0 0	Maximum 100 100	Legend Data 1 Data 2	Color Line Style Data Type Legend Solid Decimal Add
3 %R03803 4 %R03804	1	Y2 Y2	0	200 200	Data 3 Data 4	Dash Dot Decimal Delete Solid ▼ Decimal Delete Dash Dot LReal ange Ran Dot Real / Floating Point
Axis Minimum X 0 Y1 0 Y2 0	Maximum 636 100 200	Legend Time Y1 Axis Y2 Axis	Font Arial 15 Arial 15 Arial 15	Ticks Co 5 5 5	olor Show Rar Y Y Y	ange Re Solid Floating Poin Signed Decimal Arial 15 Left Add Delete
Display Properties Attributes >>> Title >>> Access>>>		ound >>>		Plot Color >>> Grid Color >>>		Historic Support Enable History Filename Enable Replay Enable Cursor
						0K Cancel

Cscape 10 Features



Canvas Exclusive

Redesigned Alarm Object

Temperature High RPM at co	onveyor Error in loading new bat
Alarms	Alarms Acknowledged Cleared Active RTN COMM High Temperature 01-06-2020 16:20:45 Reduce temperature N Alarms Acknowledged Cleared Active RTN MCC
High Temperature 01-06-2020 15:57:09 -ACT	Low Temperature 01-06-2020 16:20:45 Reduce temperature
High Temperature 01-06-2020 15:57:07 -ACT	High Temperature 01-06-2020 16-20:45 Reduce temperature
RPM high at conveyor 01-06-2020 15:57:07 -ACK	RPM high at conveyor 01-06-2020 16:20:45 check drive speed
Error loading new batch	

Scrolling Alarm Banner

Redesigned Alarm Status Screen

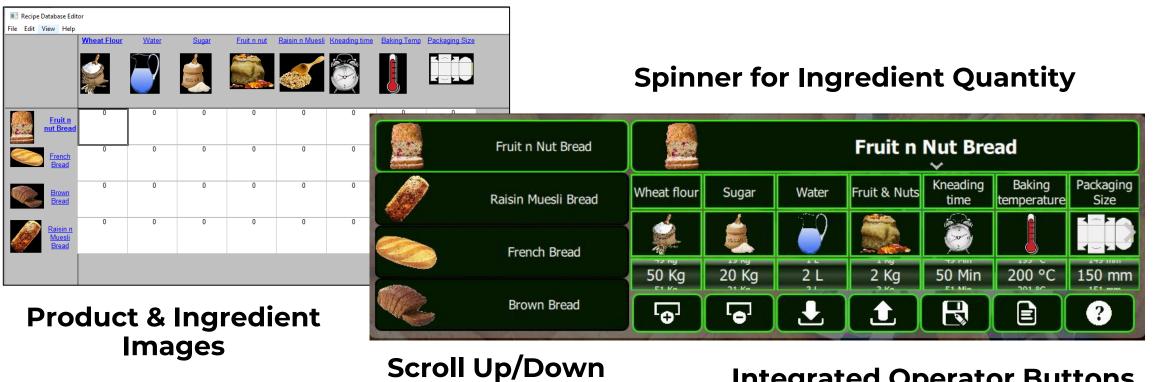
Dynamic Alarm Message Text

Gesture Support at Run-time (Scroll Up/Down)

arm Configuration						
Alarm Trigger Block						
Number of Alarms: 14	Address: %R00110	Name:	•			
	1.100110	ritania. J				
Alarm Point Configuration						
# Group Alarm Bit /	Alarm Message	Severity	Alarm Info	Remote ACK Bit	Remote CLR Bit	^
1 1 %R00110.1 1	TANK FULL	Info	** Undefined Alarm1 **	%R00117.1	%R00118.1	_
2 1 %R00110.2 1	TANK EMPTY	Info	** Undefined Alarm2 **	%R00117.2	%R00118.2	
3 1 %R00110.3 1	TANK ALMOST FULL	Info	** Undefined Alarm3 **	%R00117.3	%R00118.3	
	TANK ALMOST EMPTY	Info	** Undefined Alarm4 **	%R00117.4	%R00118.4	
	TEMPERATURE LOW	High	**Temperature Low **	%R00117.5	%R00118.5	
	TEMPERATURE HIGH	Critical	**Temperature High **	%R00117.6	%R00118.6	
	PACKAGE DEPLETING	Medium	** Package Depleting **	%R00117.7	%R00118.7	
	RELOAD PACKAGING ROLL	Critical	** Reload Packaging Roll **	%R00117.8	%R00118.8	
	TEST ALARM ONE VARIABLE		** Test Alarm One **	%R00117.9	%R00118.9	
10 1 %R00110.10 1	TEST ALARM TWO VARIABLE	Warning	** Test Alarm Two **	%R00117.10	%R00118.10	*
				Сору	Paste Edi	t
Summary Options RTN implies ACK Remote Acknowledgement and C			History Options	og CLR	Log RTN	
-	lear					
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Ack Address: 2800117 Na Removable Media Logging	ame: alarm_ack	Nan		,		
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Ack Address: 2,R00117 Na Removable Media Logging Enable List Text Colors ALM Color >>>	status : Status :	Nan Alarm1	ne:	History Buttor	n Colors	
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Redesigned Recipe Object

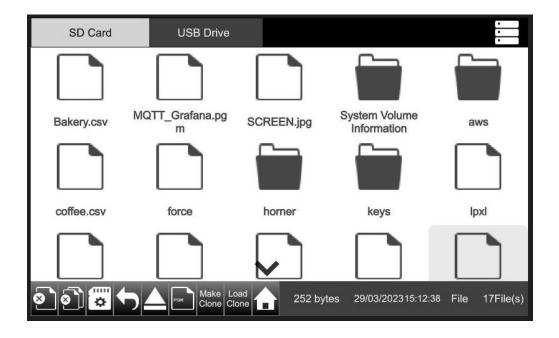


Scroll Up/Down for Product Selection

Integrated Operator Buttons (Add, Delete, Load, Save, Help, etc.)



Redesigned Removable Memory Object



File & Folder

Sorting

SD Card	USB Drive			
Name	Date m	Date modified		Size
aws 🗌	01/02/2023	12:23:22	Dir	3.99 KB
homer	21/10/2022	06:52:00	Dir	10.31 MB
System Volume Inform	ation 31/01/2023	06:01:58	Dir	88 bytes
🗑 keys	21/10/2022	06:52:00	Dir	143.63 KB
🗋 pxl	13/04/2023	14:43:30	File	11.33 MB
🗋 oem.info	31/01/2023	06:00:20	File	9 bytes
Dpxl_	20/10/2022	16:26:04	File	2.82 MB
upgrade.err	29/03/2023	15:12:38	File	252 bytes
upgrade.log	29/03/2023	15:12:40	File	305 bytes
Dipxl_mqtt	01/02/2023	11:03:18	File	2.84 MB
0000	Make Load Clone	48.99 KB	18/10/2022	15:17:48 File 17File(s)

Tabs for both MicroSD & USB

Built-in Buttons (Copy, Delete, etc.)

Multiple

Views



Redesigned Video Object

Support for Higher Resolutions

Built-in Control buttons including Play, Stop, Pause

Full-Screen Control



Integrate Help Videos with subtitles and your Machine Control



Who Should Use Cscape 10?

- Canvas Users must use Cscape 10
- Other Users can upgrade to Cscape 10 on their schedule
- Both Cscape 9.9 & 10 will be posted as current versions on our web site during the transition
- Both versions can be installed simultaneously on the same PC

