

SmartPAC PRO

We've created the latest edition of our flagship product using new technology



SmartPAC Comparison

SmartPAC 2

SmartPAC PRO



Processor Type	Single Core	Dual Core	2x
Processor Speed	650 MHz (x1)	1.7 GHz (x2)	5x
System Memory	256 MB Flash	32 GB SATA	125x
Tool Memory	250 kB SRAM	32 GB SD Card	12,800x
OS Size	140 MB	2 GB	14x

Features

- Touch interface
 - 12" screen
 - 1024 x 768 resolution
 - Resistive touch screen
- Unlimited Tool Setups



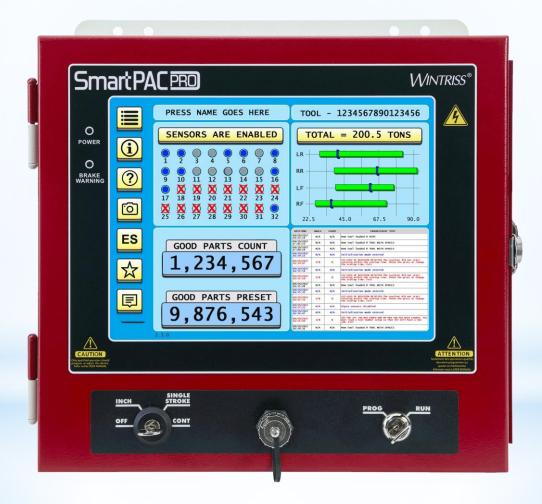
- Tool "Numbers" can be up to 16 characters in length, and can include numbers, letters, and special characters
- Once programmed, tool setups can be shared among networked SmartPAC PRO units!



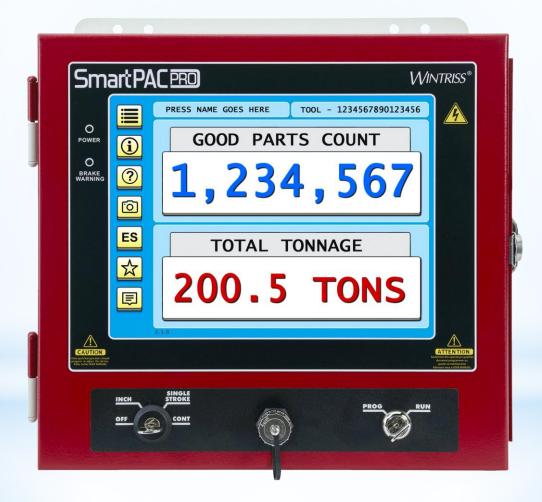
- Customizable "Dashboards"
 - Users can customize the main run screen
 - Once created, these dashboards can be saved, and quickly recalled
 - The SmartPAC will remember which dashboard was previously displayed, and will retrieve it at power up, and when the key is switched to run



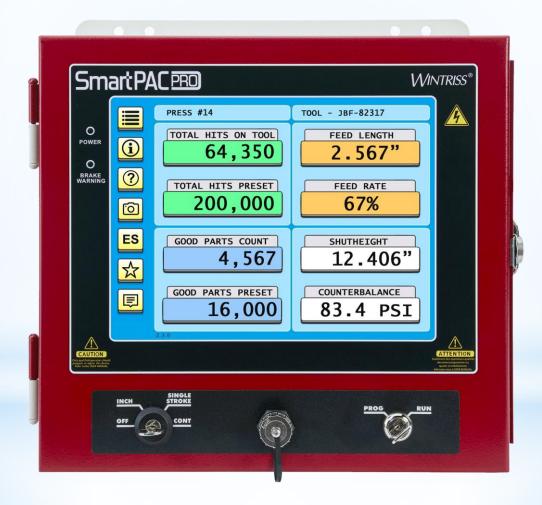
 Users will have the option to select many different types of information and several different formats (samples shown)













- You might've noticed a series of icons on the left side of the screen
- These buttons will be alongside the dashboard screens, the main run menu, and elsewhere throughout the run and program modes

O ES The main menu button brings you immediately out to the main run menu

©2017 – Wintriss Controls Group



The Information button displays the installed options and network settings



The ? Button shows the help screen for the currently displayed screen



The Camera button takes a screenshot of the currently displayed screen

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This button changes the language from English to Spanish (and back)

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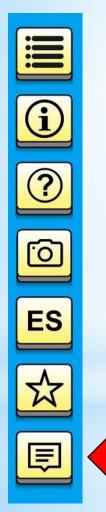


This button shows, and allows you to manage your "Favorite" screens

©2017 – Wintriss Controls Group

Fayorites





This button open the messaging function

©2017 – Wintriss Controls Group

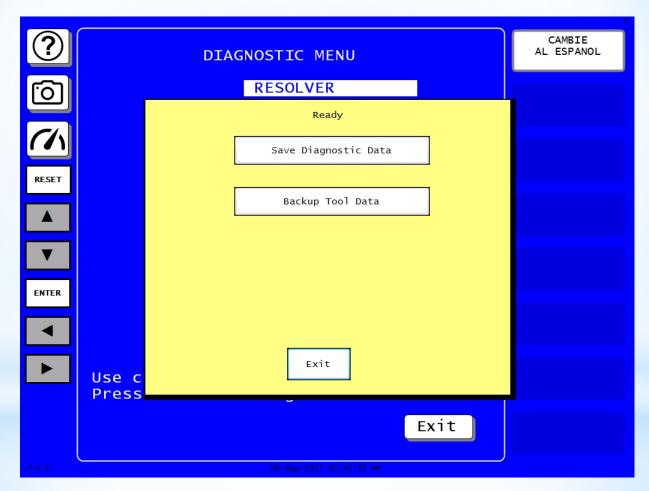
Messaging

		C PRO Messaging	251
O POWER		To: Wintriss Tech Support	
0		Please see the attached diagnostic information.	
BRAKE WARNING		Select Message	
	Ô		
	ES	Attach: SysInfo00002722.txt, RtsErrLog00002722.txt, AppErrLog00002722.txt, RUN-10112017083211.jpg	
	X		
	Ē		
\wedge			
CAUTION Only qualified operations should program or adjust this device. Refer to the USER MANUAL			ATTENTIC Seveneen dis operations of deviated programmer auster ce mechanism Advenue visio a USER MA
(11)		SINGLE	
	INCH	SINGLE STROKE	RUN



?	DIAGNOSTIC MENU	CAMBIE AL ESPANOL
6	RESOLVER COMMUNICATIONS	
(/\	INPUT STATUS ANALOG STATUS OUTPUT STATUS	
RESET	A USB disk has been inserted Press Ok to launch the USB Disk Manager or Cancel to exit	
ENTER		
•	Okay Cancel	
►	Use cursor keys to select. Press ENTER to change.	
	Exit	
	06-Sep-2017 02:42:27 PM	





Features

- Built-in USB Port
 - External USB port
 - Firmware updates
 - Bar code scanners (keyboard style)
 - Collect virtually unlimited screen captures onto a USB disk
 - Download log files (Installed Options, Error/Event logs, single board computer logs, etc)
- Improved Serviceability



The SR Card

- The SD Card is the "soul" of the SmartPAC PRO
- It's also the only serialized part of the control
- The tools, installed options*, and all error/event logs are stored on the SD Card
- When swapping boards, simply move the SD card over to the new board, and all the important stuff comes with it
- The SD Card is internally configured to make unauthorized duplication difficult



The Options Manager

\bigcirc	Options Manag	er		
	HIGH SPEED	Enabled		
6	PM MONITOR	Enabled		
	ALTERNATE LANGUAGE	Enabled		
	INFO CENTER	Enabled		
	SHOPFLOORCONNECT	Enabled		
	USB BACKUP	Unlicensed		
	GAGGING	Unlicensed		
	ENHANCED 3RD PARTY COMMS	Unlicensed		
	PRODUCTION REMOTE ADMIN	Unlicensed		
	AB PLC ETHERNET INTERFACE	Unlicensed		
	Reboot RTS and Restart Me	Exi	t	
2.5.8	06-Sep-2017 1	1:14:17 AM		

Wonderware Option

- The SmartPAC PRO can host HMIs created in Wonderware
- Wonderware is a popular Windows-based software package for quickly creating HMIs for industrial applications.
- Once the HMI is created in Wonderware, it runs on a Windows device (usually an industrial PC)
- If you've seen an HMI running on an industrial PC with multiple brands of devices at the back end, it was probably running an HMI created in Wonderware
- SmartPAC PRO will have an option that enables it to host the Wonderware application
- Because nobody likes to put additional screens on their presses

Wonderware Applications

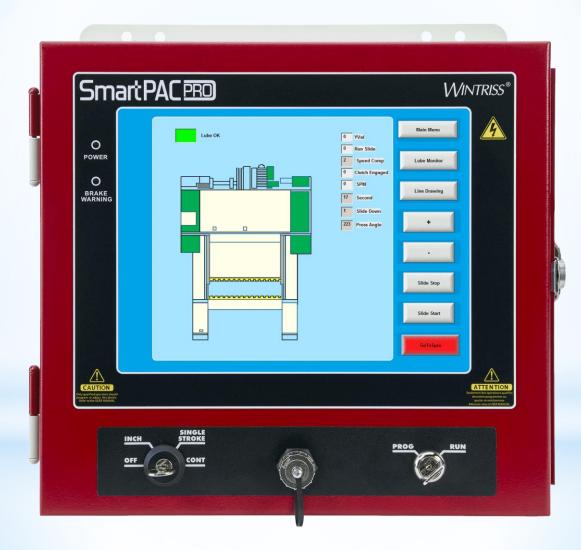
Applications for Wonderware include:

- QDC systems
- Replacement of console buttons and switches
- Press lube system control
- Multiple-press lines
- Assembly and weld cells associated with press lines
- Servo transfer systems

Wonderware Examples



Wonderware Examples



Other Features

Improved Error/Event Log (better formatting)

DATETIME ANGLE COUNT ERROR/EVENT TEXT 09/20/2017 N/A N/A New tool loaded # 6295 09/19/2017 N/A N/A New tool loaded # TOOL WITH SPACES 09/19/2017 N/A N/A New tool loaded # TOOL WITH SPACES 09/19/2017 N/A N/A New tool loaded # TOOL WITH SPACES 09/19/2017 N/A N/A New tool loaded # TOOL WITH SPACES 09/19/2017 N/A N/A Initialization mode entered RESET 09/19/2017 178 0 S11-LOSS OF ROTATION DETECTED The resolver did not start rotating within the startup time. Exit 09/19/2017 178 0 S11-LOSS OF ROTATION DETECTED The resolver did not start rotating within the startup time. Exit 09/19/2017 178 0 S11-LOSS OF ROTATION DETECTED The resolver did not start rotating within the startup time. Check the press or change the startup time. Exit 09/19/2017 178 0 S11-LOSS OF ROTATION DETECTED The resolver did not start rotating within the startup time. Check the press or change the startup time. Exit 09/19/2017 178 0 S11-LOSS OF ROTATION DETECTED The resolver did not start startup time. Exit 09/19/2017 N/A N/A Initia	\bigcirc	No Color		Er	ror/Event Log Exit
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16:54:31 N/A N/A New tool loaded # lool with spaces			178	0	must load a tool number setup so that SFC will have a new
			N/A	N/A	New tool loaded # TOOL WITH SPACES
		00/10/2017			

Other Features

Improved built-in info center navigation

\bigcirc	Info Center - Tool: 6295	
	Animated.gif 7/27/2004 9:39:30 AM 105 кв	*
	AnimationExample.htm 4/22/2005 5:48:30 AM 1 KB	_
	DieSensorPhoto.jpg 4/22/2005 5:56:54 AM 82 KB	_
	ExampleDwg.pdf 4/11/2005 10:06:12 AM 84 KB	 ■
	ExampleInfoLookup.txt 4/22/2005 5:58:32 AM 1 KB	
	ExampleInfoMenu.htm 4/22/2005 5:55:36 AM 5 KB	
	ExampleSetup.htm 2/17/2005 12:02:42 PM 4 KB	
	InfoCenterTop.gif 2/25/2005 5:23:12 AM 54 KB	
	ОДМ Manual Press Operation.MOV 12/8/2016 3:46:27 AM 39,369 КВ	
	PartDrawing.gif 12/7/2004 12:19:34 PM 8 KB	Exit
2.6.6		9

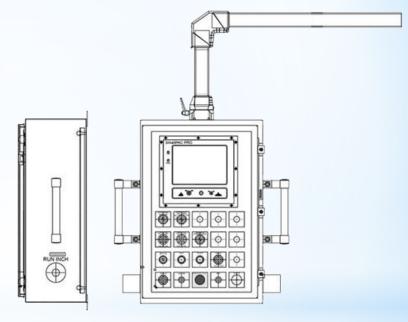
Other Features

Tool Summary shows all of the settings for the tool

	Under Development Tool: 6160ABC	1001	Data Summary Tool Name:	DEMO TOOL	
Counte	r Preset	Increment Angle	Increment Mode	Output Mode	Pulse Time (mSec
Good P	arts 1200	270°	Stroke	Top Stop	N/A
Stro	ke 2400	270°	Stroke	Top Stop	N/A
Batch	1 100	270°	Good Parts	Top Stop	N/A
Batch	2 200	270°	Stroke	Toggle	N/A
Batch	3 300	270*	Stroke	Pulse	200
Cam	Name	Cam Type	Event	Mult	iple On/Offs
1	FEED ADVANCE	On/Off	245°-300°		
2	PILOT RELEASE	Auto Advance	150°-160°		
3	TOP STOP	Auto Advance	288°-311°		
4	HYD OVR RESET	Global On/Off	350°-10°		
5	CUTOFF ON/OFF	On/Off	160°-180°		
6	SPRAY LUBE	On/Off	90°-110°	210	-230°, 270°-300°
7	CHANNEL 7	Timed	64°, 70 MS		
8	CONVEYOR	DSV ON	15 Sec		
9 - 16	Unused				
Sensor #	f Name	Sensor Type	Stop Type	Ready 1	/indow Criti
1	PART EJECTION	l Green	E-Stop	240°	to 0° N,
2	SHORT FEED	Green Const	Smart Stop	4° to	o 160° 10

Packaging Options





Versions - Enclosure



Yersions - Panel Mount



Yersions - Remote I/O



Yersions - Remote I/O

The <u>only</u> connection required between the two parts is a ...

HMI



RTS (Real Time SmartPAC)

USB Cable

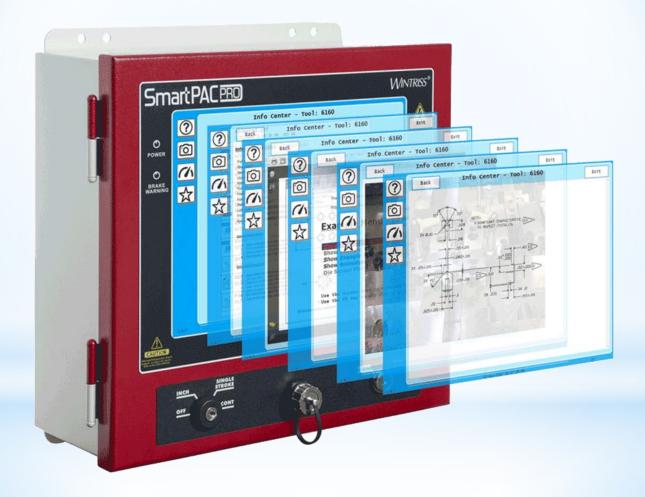
(up to 100' w/optional extender)





ProCamPAC, DiProPAC, Resolver, and all I/O connections are here

Future Enhancements



Future Enhancements

- With the memory and processing power now at our disposal, we have BIG plans for the SmartPAC PRO
- In the near future, look for updates to the ProCamPAC, new die protection sensor types, and greatly expanded counting capacities
- As new features become available, they will be released in firmware updates
- Over the long term, we're going to be able to expand this platform for years