WINTRISS®

SmartPAC PRO

WINTRISS®

PRESS #14

TOOL - JBF-82317

⚡

TOTAL = 200.5 TONS

LR
RR
LF
RF

22.5   45.0   67.5   90.0

POWER

BRAKE
WARNING

ES
☆
💬

11
IDLE
00:11:11

SENSORS ARE ENABLED

1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32

GOOD PARTS COUNT

4,567

GOOD PARTS PRESET

16,000

2.3.0

⚠
CAUTION
Only qualified operators should
program or adjust this device.
Refer to the USER MANUAL.

⚠
ATTENTION
Seulement des opérateurs qualifiés
devraient programmer ou
ajuster ce mécanisme.
Adressez-vous à USER MANUAL.

INCH   SINGLE
            STROKE

OFF   CONT

PROG   RUN

SmartPAC PRO
Complete centralized control for all of your press automation.

Wintriss SmartPAC PRO includes all features of the original SmartPAC series of controls, along with these exciting new additions:

Tool Manager

The SmartPAC PRO has virtually unlimited tool setup storage, a searchable Tool Manager to organize the setups, and a Tool Summary display that enables the user to view the entire contents of each setup in a single formatted screen.

Custom Home Screen Dashboards

Users can create custom home screen dashboards to display the information they use most often. These dashboards can be named and saved in the favorites menu, and quickly recalled any time.

Wonderware Option

The SmartPAC PRO Wonderware option enables the SmartPAC PRO to run HMIs that were created in the Wonderware development environment (not included). The main purpose of this feature is to allow the SmartPAC PRO to act as the user interface for ancillary equipment, thus eliminating the need to put additional screens on the press.

USB Port

With SmartPAC PRO's external USB port, you can use a barcode scanner for job selection and operator login, or download memory backups, screen shots, and system information to a USB disk.
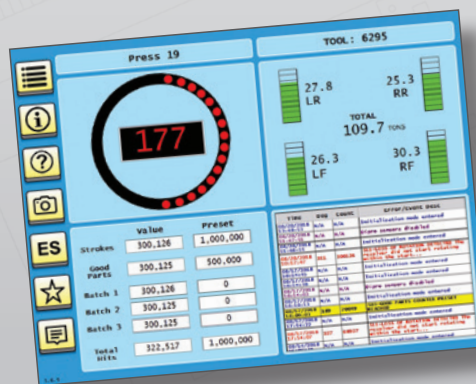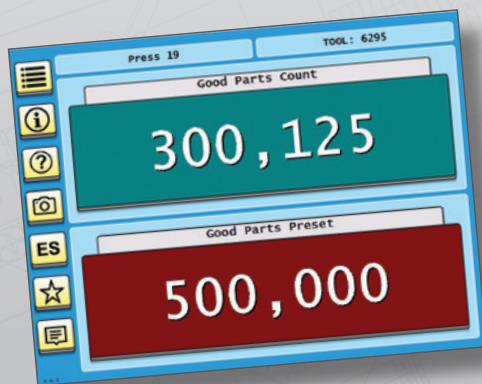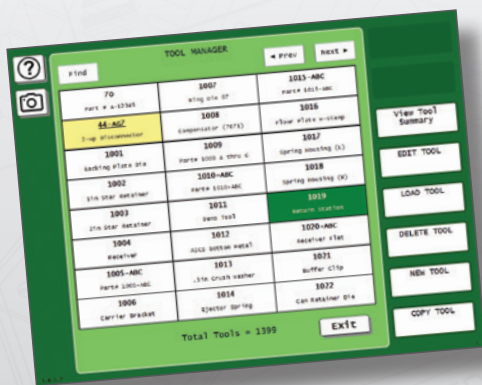
Network Features

SmartPAC
the world
f

Servo Feed Interface

Set and load all feed parameters from the SmartPAC screen

Custom Controls

Integrated systems built to your specifications

CAM 9-16

SmartPAC PRO

SmartPAC PRO Modules

Any or all of these modules can be added to the SmartPAC PRO to expand its role in your press automation. These features have been developed using customer feedback. You can select the ones that make sense and have benefit to your applications. More details on each can be found in this brochure.

WPC 2000 — Meets or exceeds all current standards for clutch/brake control

DiProPAC — Up to 32 sensor inputs for die monitoring

ProCamPAC — Up to 16 channels of precise timing control

AutoSetPAC — Tonnage monitor keeps press and die loading in check

WaveFormPAC — Advanced load monitor lets you see the whole picture

RamPAC — Automate shutheight, counterbalance, and cushion control

PM Monitor — Up to 64 maintenance parameters monitored the right way

ShopFloorConnect — Shop Floor data collection for productivity improvements

Wintriss SmartPAC PRO - The Best Got Better
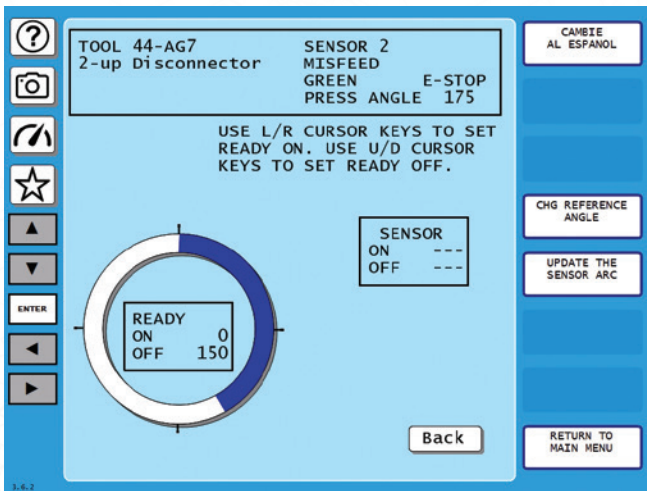
DiPro®PAC

Protect Your Investment with Die Protection

SmartPAC PRO continues Wintriss's leadership in Die Protection technology. The DiProPAC prevents costly die repairs and press downtime by using up to 32 sensors to detect problems such as misfeeds and non-ejected parts. When a malfunction is detected, SmartPAC PRO stops the press before damage occurs.

DiProPAC uses a circle diagram for setting timing. The diagram represents the press stroke and illustrates the programmed angle settings for each sensor, as well as the actual sensor on/off timing.

Built-in monitoring logic provides you with tremendous flexibility

In addition to monitoring common events such as part ejection, misfeed, and material buckle, the SmartPAC PRO has built-in monitoring logic to allow you to detect material pull-back, transfer problems, cylinder/cam return and slug ejection.

Because SmartPAC PRO uses an individual timing signal for each sensor, it can signal the press to stop at the earliest possible time.

Complete Die Protection Solution

Without sensors and a way to connect them, the system is incomplete. Wintriss offers sensors, wiring accessories, and interfaces (such at the DSI 2 on the right). For more details, see the Die Protection Handbook, or sign up for a Wintriss Die Protection Clinic at www.wintriss.com
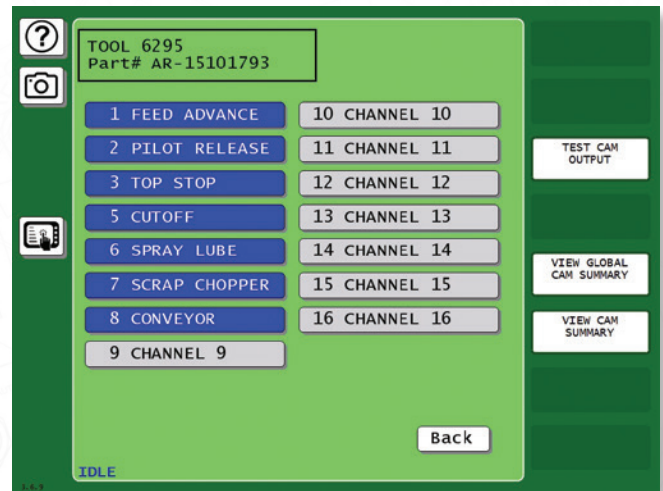
ProCam®PAC

Improve Productivity with Programmable Cam Outputs

With SmartPAC PRO, it's easy to set accurate, repeatable timing for up to 16 cam channels to control items such as feeders, lubricators and air blow-off.

Cam channels can be set to turn on and off at specific angles (for feed advance timing), more than once per stroke (for lube), to automatically advance or retard the timing when the press speed changes (for pilot release timing), to turn on at a specific angle and stay on for a preset number of milliseconds (for part blow-off timing), or to turn on when the press starts and to turn off shortly after the press stops (for conveyor control).

Press-related functions, like hydraulic overload reset, can be set once as a Global Cam and you never have to program it again.
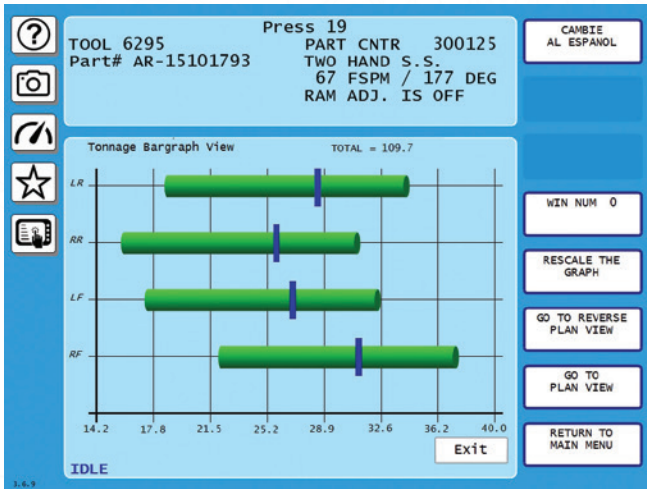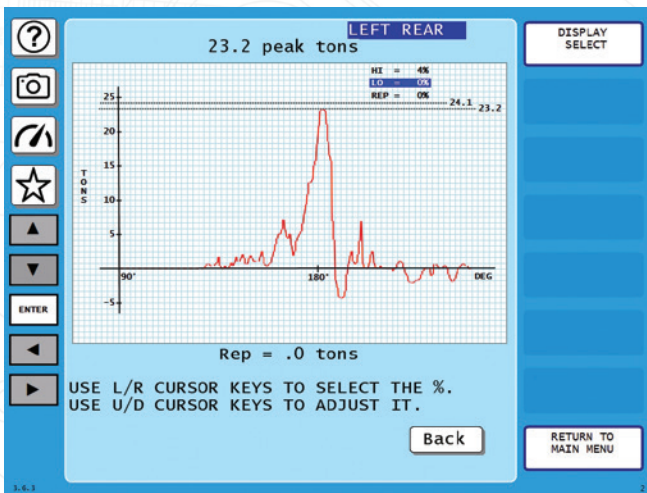
AutoSet®PAC
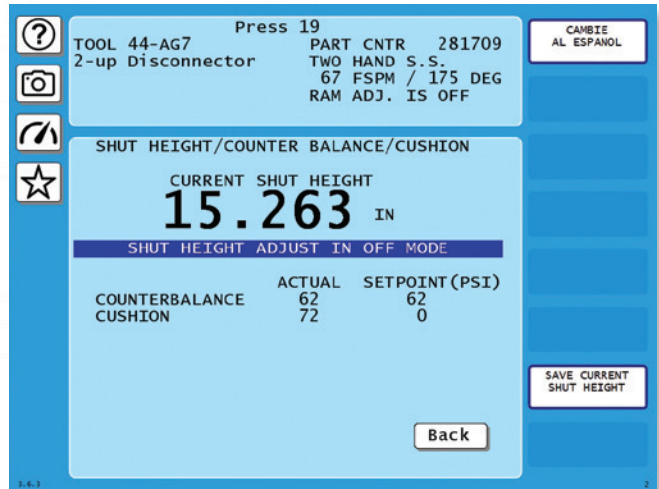### Improve Process Control and Detect Tonnage Variations

The AutoSetPAC tonnage monitor protects your press and dies with high, low, repeatability, and reverse (snap-through load) setpoints that are stored with the tool setups. AutoSetPAC's tonnage history feature will show you the highest tonnage, the average tonnage, and the currently running tonnage.
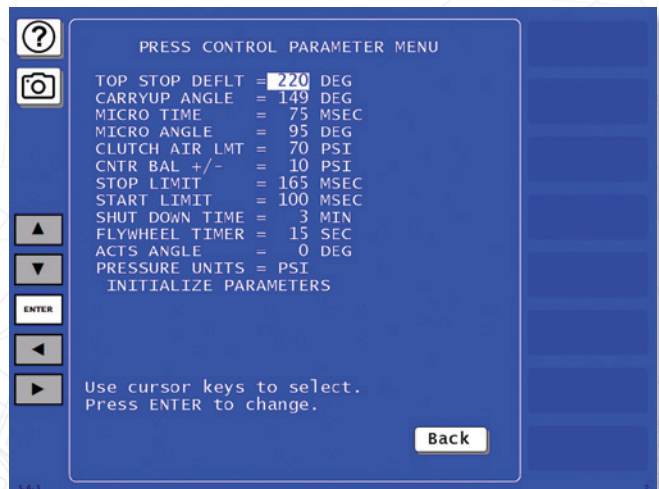

RamPAC®
Automate Setup of Shut Height, Counterbalance Pressure and Die-Cushion Pressure

By automatically setting the shut height, counterbalance, and cushion pressures when you change tools, SmartPAC PRO's RamPAC module can dramatically reduce setup time, improve press stopping performance, increase clutch life, and reduce energy consumption.


WaveFormPAC™
See the Whole Picture!

The WaveFormPAC advanced tonnage signature monitor adds even more load-monitoring capability to SmartPAC PRO. In addition to traditional peak forward and reverse load monitoring, the WaveFormPAC displays tonnage waveforms and setpoint limits for up to four monitoring windows. WaveFormPAC stores benchmark waveforms for every die, enabling you to verify setups and quickly identify problems.

WPC
Wintriss Clutch/Brake Control Integrated, Powerful Press Control Package

SmartPAC PRO can be integrated with the Wintriss Clutch/Brake Control (WPC 2000), a powerful, dual-microprocessor-based press control system that meets or exceeds all current regulations for control reliability.
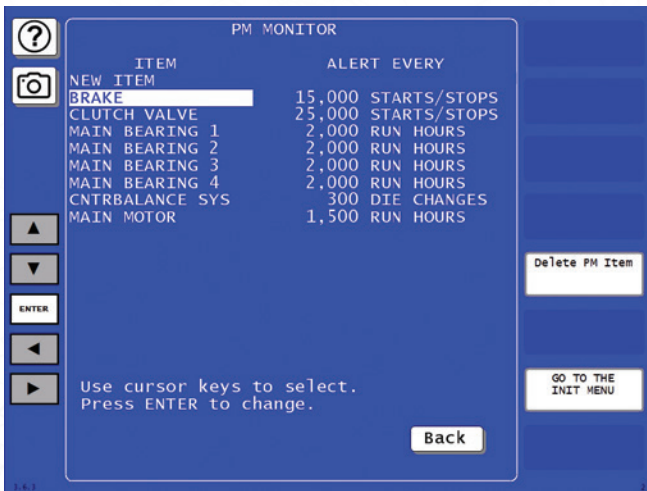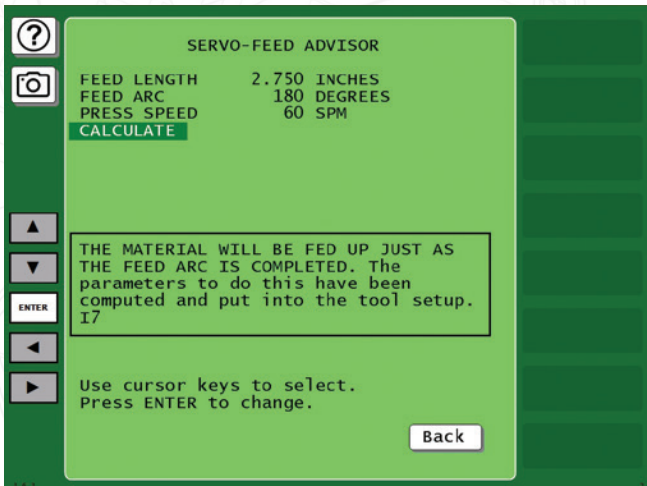
PM Monitor
Preventive Maintenance Monitor

SmartPAC PRO's Preventive Maintenance (PM) Monitor tracks up to 64 items on the press. You can schedule maintenance based on time, strokes, machine starts and stops, die changes, and other parameters.

SFI: ServoFeed Interface
Communicate with Many Brands of ServoFeeds

With SmartPAC PRO's Servo Feed Interface (SFI) option, you can program, store and automatically download feed parameters for each tool. For select servo feeds, our Feed Advisor can check your programmed settings to ensure that they're within the feeder's capabilities.
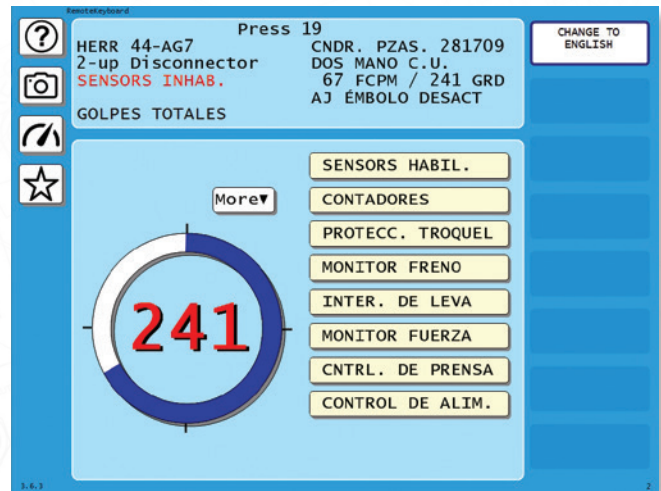
Multilingual

Chinese, Portuguese, Spanish, and German language versions of the SmartPAC PRO are available.

ShopFloorConnect®
Real Time OEE and Production Tracking Software

SmartPAC PRO can send production data over your network to our ShopFloorConnect Asset Utilization Software (SFC). SFC automatically collects uptime, downtime, and most importantly reasons for downtime! In addition to your presses, SFC has a machine interface to allow this information to be collected on any type of machine in your facility. The information is gathered in real time.

SFC's powerful reporting system automatically generates reports - including Overall Equipment Effectiveness (OEE).

Reports can be distributed automatically via email, archived into the database, and/or stored in any network location. For more details, visit www.ShopFloorConnect.com.

Wintriss Integrated Solutions

Custom Solutions: *Wintriss can custom build press-control consoles or panels tailored to your needs, including variable speed drives, soft start, servofeed controls, lubrication monitor and control, and PLCs for automation.*
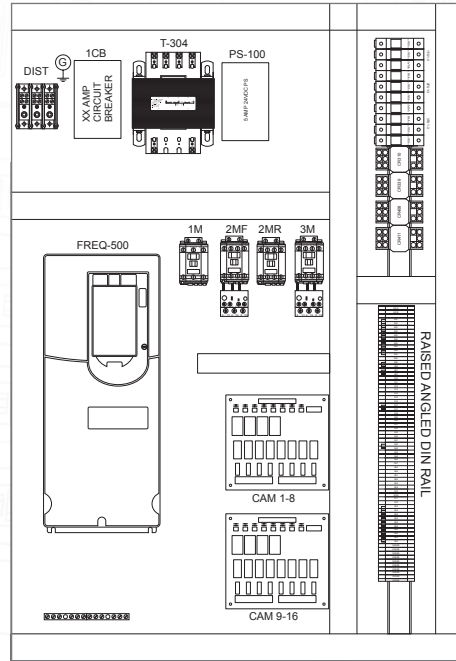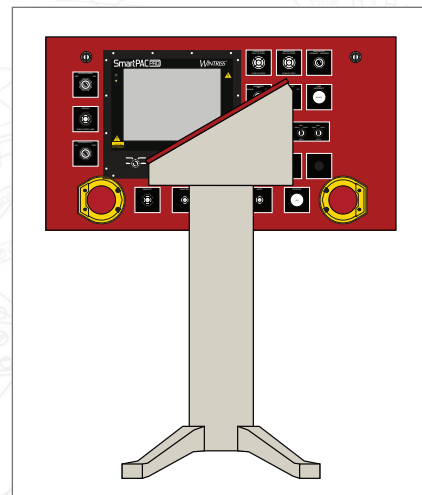

Full Autocad mechanical and electrical drawing packages are provided.

Every application is unique.
Wintriss is ready to review your specifications and design a solution that is right for you.

Sloped face consoles are a popular configuration. They are available in many sizes to accommodate all user interfaces.

Space saving consolette designs.

SmartPAC PRO Upgrade: If you have a previous version of the SmartPAC control, it's easy to upgrade to the PRO. Due to the modular design of the system, the resolver and all of your modules such as DiProPAC, ProCamPAC, AutoSetPAC, WaveFormPAC, etc. can simply be connected to the PRO and you're up and running. Wintriss offers special upgrade pricing to our existing SmartPAC customers.

Wintriss SmartPAC PRO - Networking Features

SmartView: The SmartPAC PRO is compatible with the Wintriss SmartView Windows application that enables you to remotely view press status and other information from your networked SmartPAC PROs on a Windows PC. You can also use SmartView to send text messages to the press operators that appear as "sticky notes" on the SmartPAC Pro screen.

Remote Administrator: Access and run your SmartPAC PRO from your desktop PC or tablet with optional Remote Administrator.

Job Sharing: With Job Sharing, there's no need to reprogram a setup when multiple SmartPAC PROs run the same job – simply program it once, and share the job with the other SmartPAC PROs on the network.

Backup and Restore: Built-in Backup and Restore capability. You can save a copy of SmartPAC PRO's setup memory and initialization settings on your network, and restore it when needed.

Info Center: The Info Center option enables you to display vital external content such as setup instructions, videos, part photos, and drawings on the SmartPAC PRO's screen.

Communication: Your SmartPAC PRO can be connected to Wintriss ShopFloorConnect® Production Monitoring Software to automate collection of operating data from your press. For other software, 3rd Party Communication firmware is available that will enable you to collect data directly from the SmartPAC PRO.

Find Out More

For more information, contact your local Wintriss representative or visit our web site at www.wintriss.com.

Wintriss Controls Group, LLC

100 Discovery Way, Unit 110
Acton, Massachusetts 01720 USA

Toll Free: (800) 586-8324
Web Site: www.wintriss.com

1139902   October 2018
© 2018 Wintriss Controls Group, LLC

WINTRISS®