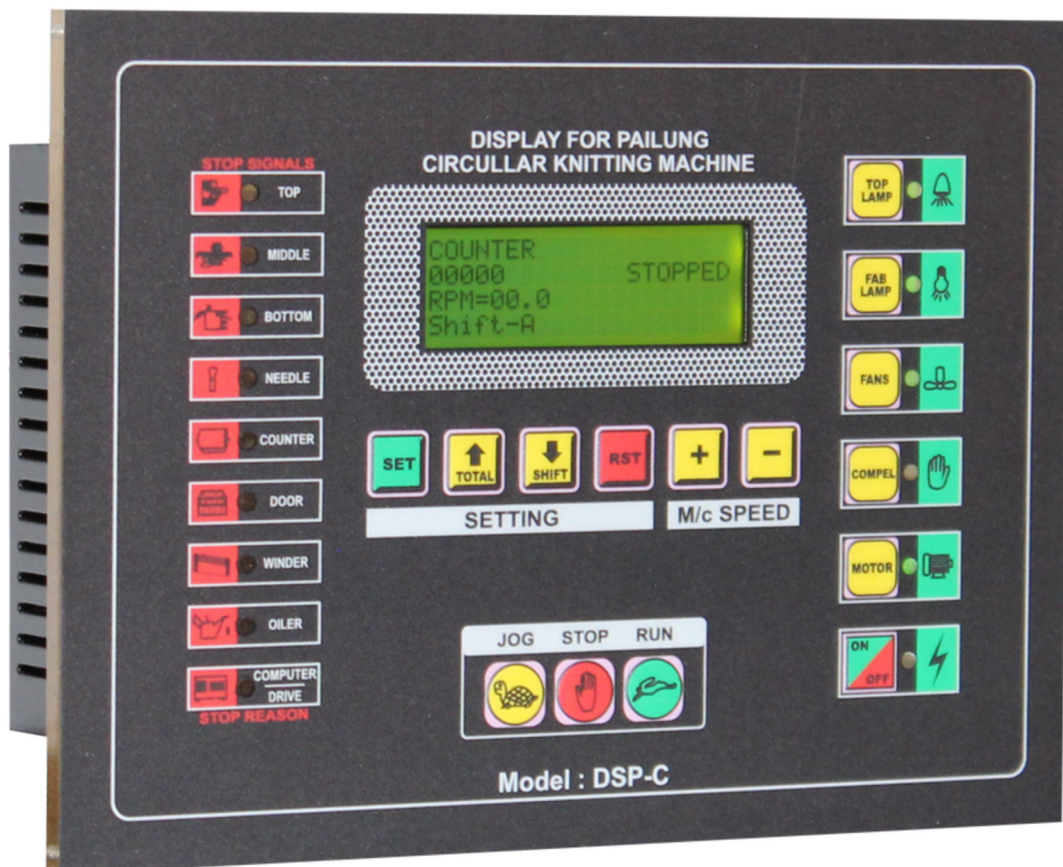
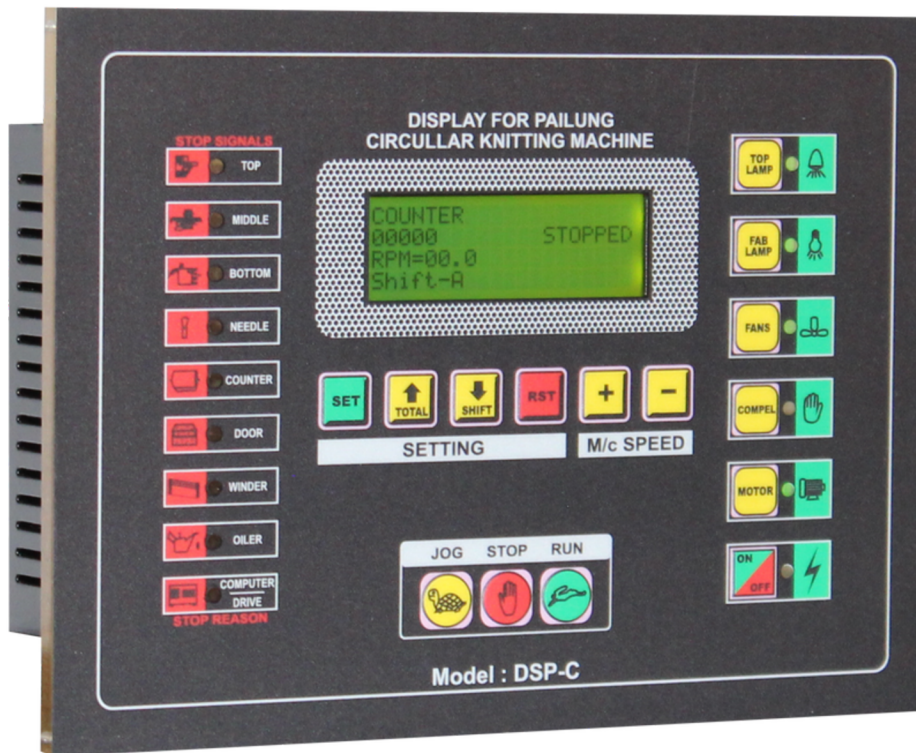


DSP-C

Special Display For
PAILUNG Circular Knitting Machines



FRONT & BACK



SPECIFICATIONS

- **Display Size** : 238 x 182 mm or 9.37 x 7.16 inch
- **Panel Cutout Size** : Same as Original Pailung Touch Screen
- **Body Type** : Acrylic Front Plate and Metal Back Plate
- Fully automatic **Micro-Controller** based design.
- **Built Quality** : Stronger than the Original Touch Screen
- **Counter Range** : 0 to 65000
- **R.P.M. Range** : 0 to 99.9 R.P.M.
- **TOTAL Counter Range** : 0 to 99999999
- A, B, C **Shift Counter** upto 65000
- **Display** : 20 x 4 LCD
- **STOP Buttons** : NO / NC (Selectable)
- **Machine Speed Change** : Panel Box and AC Drive both
- Operates on **24V DC** from SMPS (already installed in the Pailung machine).
- **User Interface** : Easy & Simple operation
- **Compatibility** : Same PLUGS and CONNECTORS as Original Pailung Touch Screen

STANDARD FEATURES

- STOPS the machine and shows INDICATION when –
 - Yarn breaks (TOP, MIDDLE or BOTTOM).
 - Needle breakage.
 - Door opens.
 - Counter value reaching Set value.
 - Take Up breakdown.
 - Oil finishes in the oiler.
 - AC Drive Error / Design Computer Error (selectable).
- Manages JOG, STOP, and RUN operations with buttons and display.
- Regulates JOG and RUN speeds separately, with buttons and a speed display allowing for 96 steps of speed adjustment, ensuring precise and stable speed control.
- Records and displays machine revolutions and speed in revolutions per minute.
- Automatically stores operational data with 10-year memory retention.

- Roll completion status is displayed on the screen.
- Counts the revolutions separately for A, B, and C working shifts (by selecting the required shift).
- If the fabric lamp is off, it will turn on automatically when the gate opens.
- All fault indications are displayed on the LCD and shown by LED indicators.
- Operates the machine only on JOG while the COMPEL or FORCED JOG function is activated (through COMPEL button as well as by pressing the STOP button) .
- Counts the TOTAL revolutions separately regardless of fabric roll cutting.
- Manages ON/OFF functions (with buttons and indications) for TOP LAMP, FABRIC LAMP, TOP FANS, AC DRIVE, and COMPEL functions.
- Controls OILER ON/OFF and FAN ON/OFF with display.
- Operates POWER ON/OFF for the entire display with buttons and indications.

PREMIUM FEATURES OFFERED ONLY BY ACXA

Displays Cause of Machine Stoppage : Our panel shows the reason for machine stoppage. Access it through settings to quickly identify issues without needing an electrician. Our panel provides you all the details about your machine, making repairs quick and hassle-free. It also highlights mechanical issues for faster maintenance, saving time and boosting production.

RESET Button Lock : The reset button is automatically locked while the machine is running or jogging to prevent accidental counter resets.

Total Fabric Roll Counting : Now you don't have to count the rolls manually, our panel will count the total number of fabric rolls produced and will display it to help you track production.

Push Button Indication on Display : If the jog, run, or stop push button is pressed, stuck, or becomes direct, it will be displayed on the screen. Unlike other panels that lack this feature, our display immediately alerts the machine operator or electrician to the issue. This saves time and eliminates the need to check every aspect of the machine to identify the problem.

Compatibility With All AC Drives : The DSP-C is universal and compatible with any AC Drive. Unlike the original touch screen, which only functions with the specific AC drive installed in the Pailung machine. Therefore, if you need to replace the AC drive due to malfunction, you'll either need to order the original AC drive or the touch screen will become useless as it won't function with any other AC drive.

Stop Button NO/NC Setting : STOP button type (NO/NC) can be configured via software from the SET button, eliminating the need to alter the machine's wiring. Simply go to settings and select the button type (NO/NC) your machine uses.

Button ON/OFF Memory : If TOP Lamp, FAB Lamp, or FAN button were ON before a power failure, they will automatically be switched ON with a small delay upon power restoration, increasing the lifespan of switches.

Reset Option : When a fabric roll completes, the counter can be reset from the panel's reset button or by pressing STOP and RUN push buttons together, increasing the lifespan of the reset switch.

COMPEL 1 Option : The COMPEL 1 function can be activated from the COMPEL button or by pressing JOG and STOP push buttons together.

Counter Auto Reset : The counter resets automatically when the gate opens for roll cutting, but only if the counter has reached the set value.

PROTECTION AGAINST COMMON PROBLEMS, OFFERED ONLY BY ACXA

AC Drive Protection : When the machine is running at full power, the motor cannot be turned off directly via the motor button to prevent damage to the AC drive caused by sudden voltage drop.

Machine Protection (Mechanically) : The panel gradually decreases the machine speed step-by-step to 1/4 of the total speed in the last 2 rounds before roll completion rather than suddenly turning the machine OFF after roll completion, reducing mechanical stress and extending machine lifespan.

SENSOR Short Circuit Protection : Safeguards the display if the sensor's positive and negative wires are shorted by any cause, preventing unnecessary repairs or replacements.

ACCIDENT PREVENTION OFFERED ONLY BY ACXA

Faulty Control Card Message : If the main control card of the machine is faulty, a message is displayed indicating that the machine cannot operate because the Control card is not ready. Since all the stop motions are controlled through the machine's control card, there is no risk of any damage. Original Touch Screen does not show any indication of Faulty Control Card.

Case – Since the original touch screen does not indicate when the control card is faulty, the machine continues running even if a yarn breaks or other issues occur. This situation can lead to accidents, such as needle damage, resulting in significant losses. However, our display can detect a malfunctioning control card and promptly stop the machine, displaying a message indicating the issue.

This alerts the machine operator to the problem and prevents further operation until the control card is repaired. Consequently, the risk of machine accidents is eliminated, saving you from potential financial losses.

ACXA BENEFITS

Upgrade to Acxa and Experience :

- Warranty service with cost-free repairs.
- Premium quality and exceptional reliability.
- Unique features to boost your machine's productivity.
- Accident protection and prevention functions.
- Production tracking features to help you keep record.
- Power saving and short-circuit protection features.
- The most affordable price range in the market.
- A simple and straightforward installation process for user convenience.

- Custom features provided at lower prices based on your requirements and budget.
- Compatibility with all brands and types of circular knitting machines.