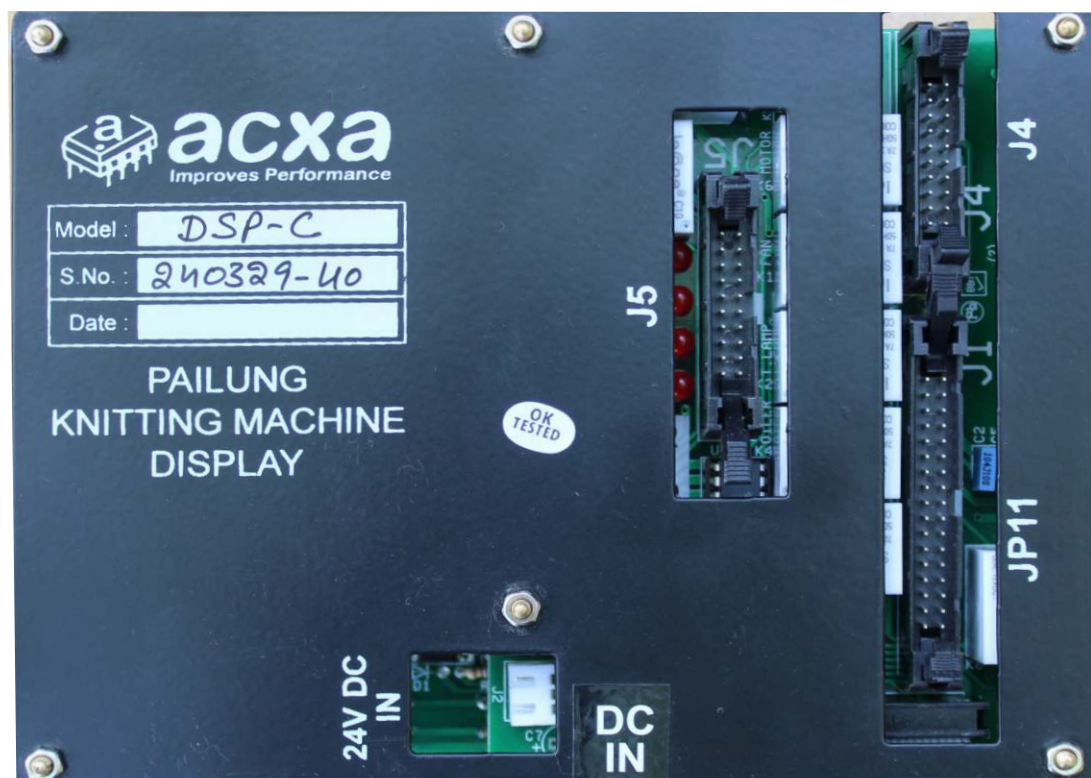
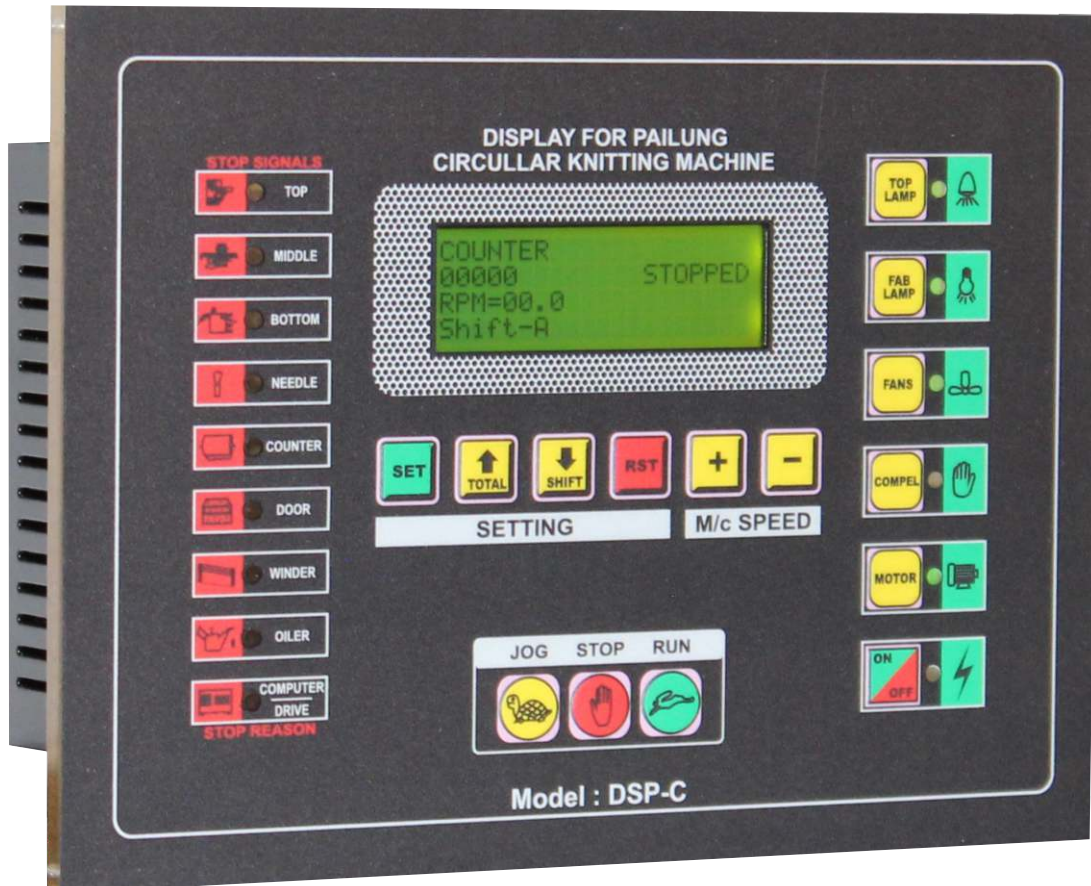
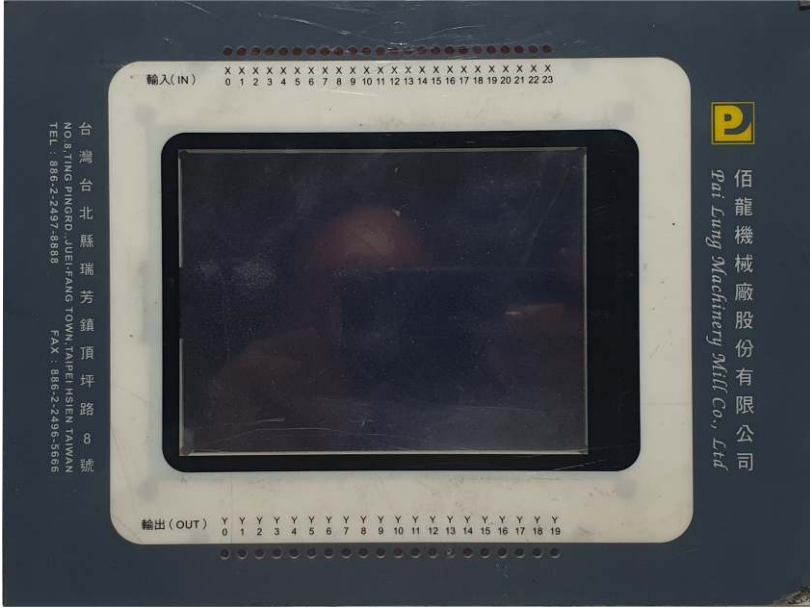


SPECIAL PAILUNG MACHINE DISPLAY

Simple Replacement of B/W and Colored PAILUNG Touch Screens
(Same Size, Same Plugs)



Switch To DSP-C



Same Size

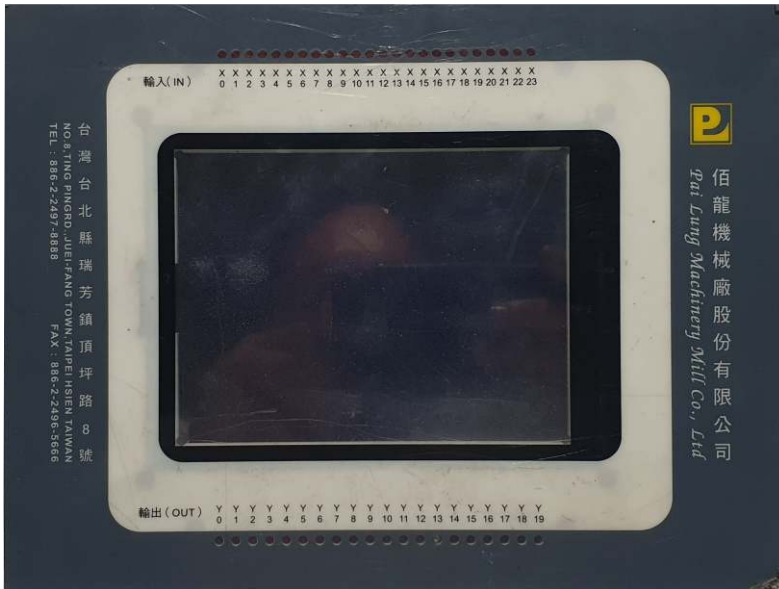


Same Plugs



POWER SUPPLY PLUG DETAILS

If to install in place of this
BLACK & WHITE TOUCH SCREEN :



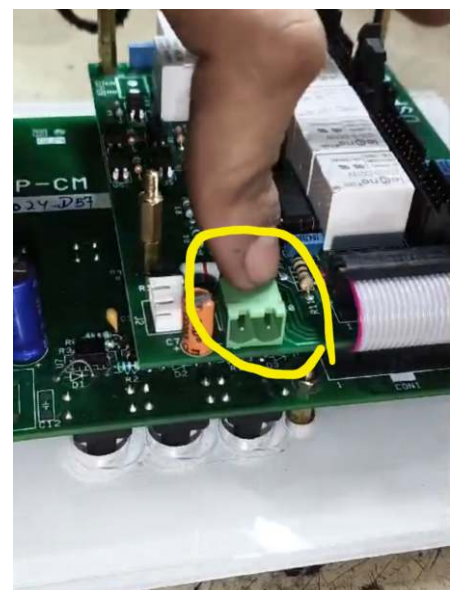
Use this
POWER SUPPLY PLUG



If to install in place of this
COLORED TOUCH SCREEN :



Use this
POWER SUPPLY PLUG
(Solder Spare Plug here)



OPERATION MANUAL

- ★ To reset current counter value to 0, press  button only when machine is stopped.
- ★ To enter in the TOTAL display mode, press  button. Now see the TOTAL value of A, B & C shift & the WHOLE TOTAL by pressing  button again & again.
- ★ If to reset the total value of A, B or C shift to 0, press  button after displaying its value. To come to the normal display mode, press  button. Note that WHOLE TOTAL counter can not be reset to 0.

HOW TO ENTER VARIOUS SETTING MODES :

- ★ Press & Hold  button to enter the setting modes as SET, STOP BUTTON NO/NC,

NOTE : Leave the SET button when desired setting mode displayed, make changes as needed, then press  button to exit the setting modes and to save the new setting.

Setting Mode	Default Setting	Explanation of Setting Modes
SET	5	Set the desired Counter Value by pressing  &  buttons.
STOP BUTTON	NO	Change to 'NC' by pressing  button, if to use NC STOP push buttons.

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 : Green Color LCD.
- * STOP Buttons : NO / NC (Programmable).
- * Machine Speed Change : Panel Box and AC Drive both options.
- * Operates on 24V DC from SMPS (already installed in the Pailung machine).
- * User Interface : Easy & Simple operation
- * Compatibility : Same PLUGS as Original B/W and Colored Pailung Touch Screen.

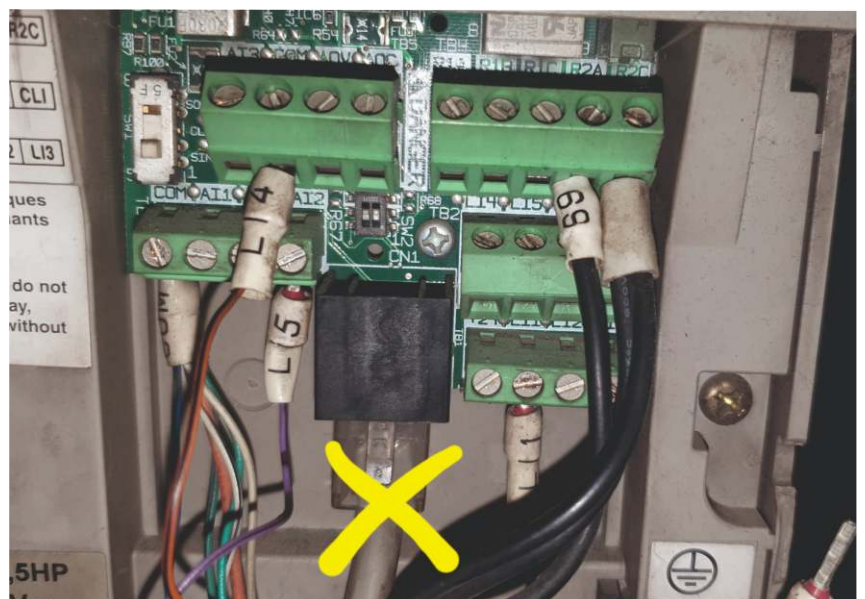
Connections to ALTIVAR AC Drive

1. Keep LI1 wire on LI1 terminal, as it is.
(In lowest connector, 2nd terminal from left).
2. Connect LI4 wire (0V reference) to COM terminal.
(In upper left connector, 2nd terminal from left).
3. Connect LI5 wire (10V reference) to Ai2 terminal.
(Middle left connector, 4th terminal from left).
4. Connect COM wire to COM terminal.
(In upper left connector, 3rd terminal from left).
5. Take out LI3 and LI6 wires and left them unconnected, but put isolation tape.

No need to change any parameter in this AC Drive.
NOTE : Do not use COMMUNICATION CABLE.



For this type of AC Drive



Make Connections like this

Connections to SCHNIEDER AC Drive

1. Keep DI1 wire on DI1 terminal, as it is
(In lower connector, 2nd terminal from left).
2. Connect DI5 wire (10V reference) to AI1 terminal.
(In upper left connector, 2nd terminal from left).
3. Connect DI4 & COM wires (0V reference) to COM terminal.
(In upper left connector, 6th terminal from left).
4. Connect COM wire (with less wires) to COM terminal.
(In upper left connector, 3rd terminal from left).
5. Take out DI3 and DI6 wires and left them unconnected, but put isolation tape.

No need to change any parameter in this AC Drive.

NOTE : Do not use COMMUNICATION CABLE.



For this type of AC Drive



Make Connections like this

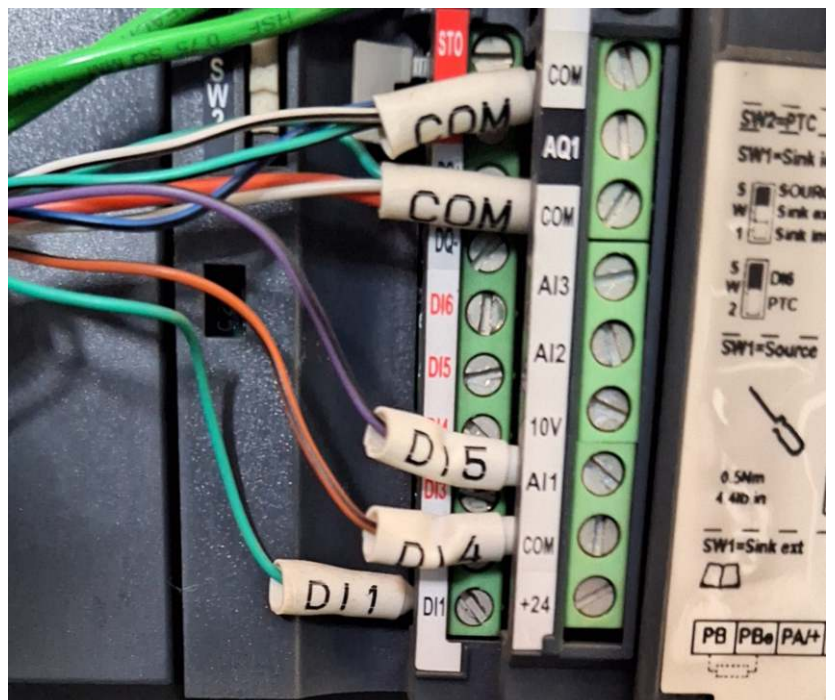
Connections to SCHNIEDER AC Drive

1. Keep DI1 wire on DI1 terminal, as it is.
(In left connector, 1st terminal from bottom).
2. Connect DI4 wire (for 0V reference) to COM terminal.
(In Right Connector, 2nd point from Bottom).
3. Connect DI5 wire (for 10V reference) to AI1 terminal.
(In Right Connector, 3rd terminal from Bottom).
4. Connect one COM wire to any COM terminal and the other COM terminal to the other COM terminal.
(In the right connector).
5. Take out DI3 and DI6 wires and left them unconnected, but put isolation tape.
6. Change DRIVE parameter as :
CONF → FULL → FUN → rEF → Fr1B → Set as AI1.

NOTE : Do not use COMMUNICATION CABLE.



For this type of AC Drive

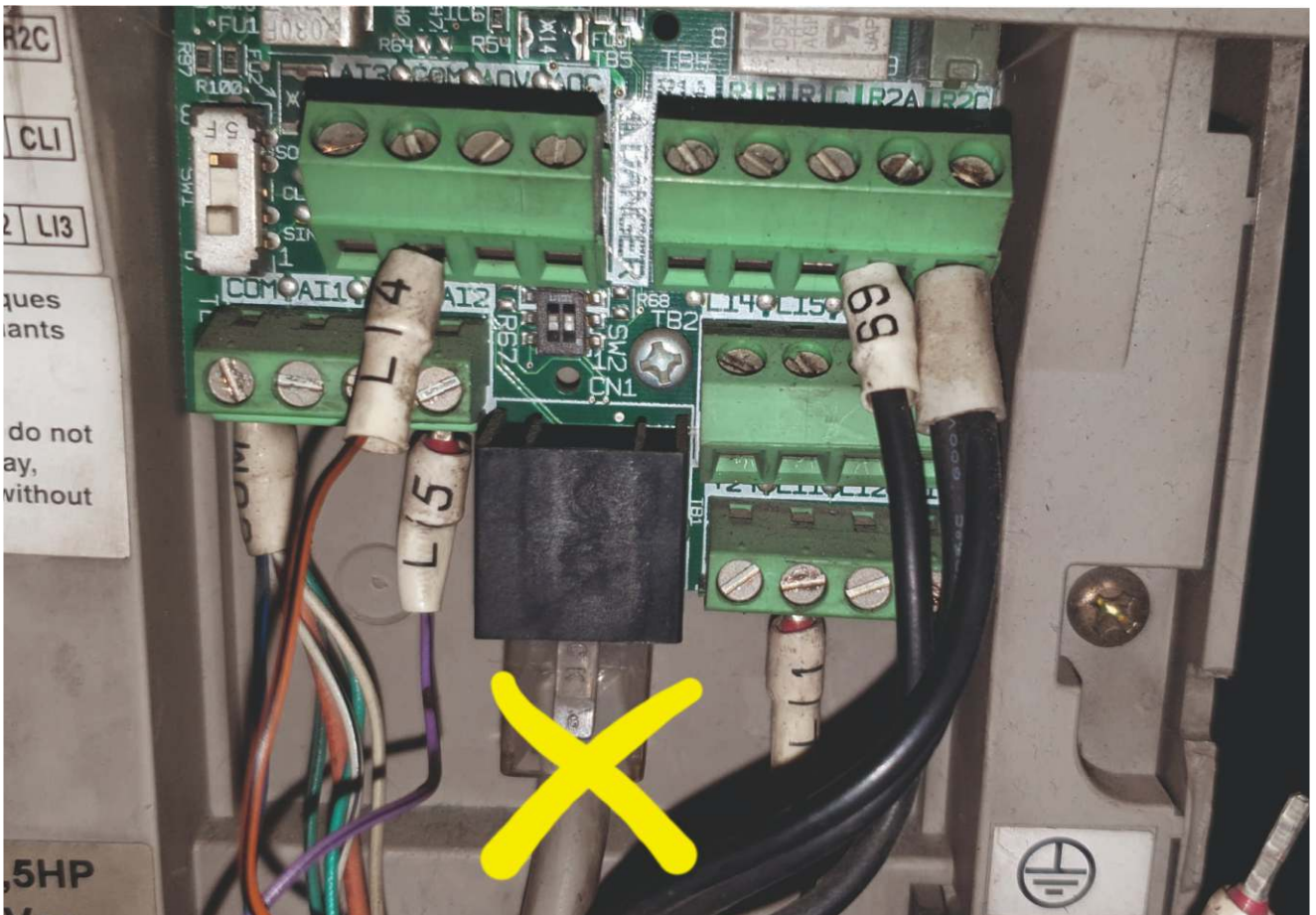


Make Connections like this

Connections to Any AC Drive

1. COM wire is Digital Ground.
2. LI1 wire is RUN COMMAND.
3. LI4 wire is 0V reference.
4. LI5 wire is 10V reference.
5. LI3 & LI6 wires have no use so leave them unconnected and put isolation tape there.
6. Program the drive for two wire operation and to take 0-10V reference from control terminals.

NOTE : Do not use COMMUNICATION CABLE.



MACHINE ACCIDENT PREVENTION

Needle Damage Protection Features

You can save a significant amount of your money and time by avoiding major financial losses and downtime caused by common machine accidents in the knitting industry, through our special display.

1. Accident Prevention from MOTOR SWITCH :

While the machine is under mechanical maintenance or the CAMS are opened for NEEDLE change, operators generally switch OFF the MOTOR SWITCH from the panel board. At this time, if any jog or run push button have got stuck or became direct and someone, even by mistake, press the MOTOR SWITCH e.g. when trying to clean the panel board or by any other mistake, the MOTOR SWITCH will not work until the stuck button is fixed. This prevents human accidents & NEEDLE damage since the machine can't be START until is fully ready to run.

2. Accident Prevention from CONTROL CARD :

if in the main CONTROL CARD of the machine, 9V DC supply to the IC section, miss by any reason, the original touch screen will not display any indication and the machine can get START as usual. So upon yarn break, the machine will not get stop.

In this condition our special display will show a message on LCD as "CONTROL CARD NOT READY" and the machine will not START to prevent any type of accident.

PROTECTION FEATURES

Protection against Counting Sensor Short Circuit : Unlike China Panels, if the COUNTING or SAFE DOOR sensor's +VE and -VE wires are shorted together or the sensor itself gets short circuit, by any reason, no internal circuit damage will happen to the panel board.

AC Drive Protection : When the machine is running, the motor cannot be turned OFF directly even by pressing the motor switch to prevent damage to the AC drive caused by sudden voltage drop. Motor switch will work only when machine is stopped.

Premium Features Over Original Screens

Power Saving Feature : Side lamps are automatically turned ON when the door is opened for fabric roll cutting and off when the door is closed, eliminating the need to keep them ON continuously.

Push Button Indication on Display : If JOG, RUN, or STOP push button is pressed, stuck, or becomes direct, it will be displayed on the display as 'JOGGING, RUNNING or STOP'. Unlike the original touch screen, our display immediately alerts the machine operator or electrician about the issue. This saves time and increase production by eliminating the need to check every aspect of the machine to identify the problem.

All Indications on The LCD : The display will show all the indications on the LCD as well.

Stop Buttons NO/NC Setting : STOP push buttons type (NO/NC) can be configured via the setting, eliminating the need to change machine's wiring. Simply go to settings and select the STOP push button type as NO or NC.

Switch Protection : If TOP LAMP, FAB LAMP, or FAN switches were ON before a power failure, they will automatically be switched ON with a small delay upon power restoration, increasing the life span of switches.

OPEN 1 Option : The OPEN 1 function works from the COMPEL switch or by pressing the JOG and STOP push buttons together, while jogging.

BENEFITS

Say goodbye to the Original Complicated (B/W or Colored) Touch Screen, which are non-repairable.

Upgrade to the Special PAILUNG Machine Display with cutting edge technology.

- * Premium quality and exceptional reliability.
- * Unique features to boost your machine's productivity.
- * Exclusive accident protection and prevention features not offered by original touch screen.
- * Power saving and short- circuit protection features.
- * A durable life span with complete local repairability.
- * Plug and Play installation process for user convenience.
- * No need to cut any wire or the Machine frame.
- * Same size as original touch Screens.
- * Custom features provided at lower prices based on your requirements and budget.
- * Compatibility with all BLACK & WHITE and COLORED, Pailung machine touch screens.