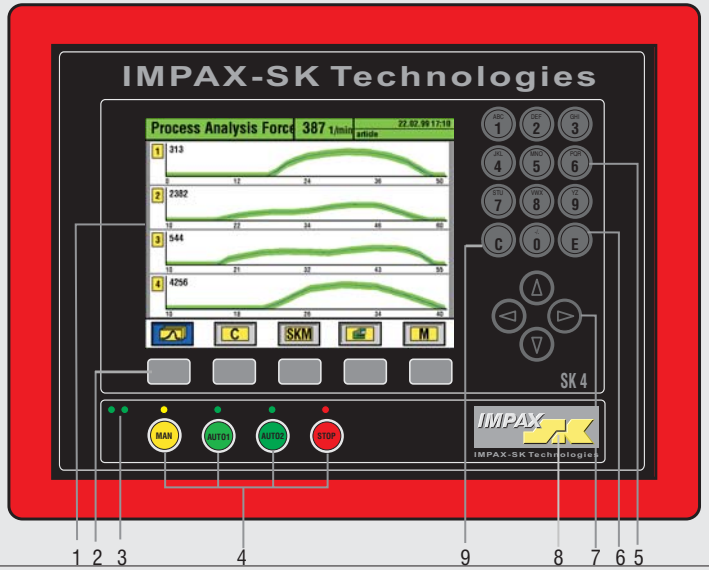
IMPAX-SK 4

Operation Manual

IMPAX-SK Technologies



1. LCD color graphic display (10.4“)
2. Function selection keys
   (current function is shown at screen bottom)
3. Timing signal indicator lights 1 and 2
4. Operating mode selection with indicator LED:
   · MAN - mode (manual/set-up)
   · AUTO 1 - mode (normal shift)
   · AUTO 2 - mode (after hour shift)
   · STOP (machine switched off)
5. Numerical keypad 0-9
   (And optional alphanumerical entries
6. Enter key (E-key)
7. Cursor Keys
8. Key depressed together with MAN Key to allow changing the sensor timing window.
   Enter new start value and Press E-Key
   Enter new end value and Press E-Key
9. C-key (Clear/change display mode

Moves back to multi-curve display; switches between single and multi-curve displays.

C Moves to the part counters

Calls-up multi-trending screen

Press to adjust trend limits

“Snow flake” button freezes current force wave forms

Moves to target curves (tool performance)

Moves to part data memory (store and reload part data)

Error log (frequency and related down time)

Error log (errors and error curve log)

M Moves to the menu and set-up section (service-access code required)

1 Turn On (push button located on rear panel)

The display and the **MAN**-key light up. **IMPAX-SK 4** is ready. Start the machine and check your parts. When okay, start the monitoring mode (Step 2):

2 Press AUTO-key

Unit will move into automatic monitoring mode. During the first few machine cycles the monitoring limits (envelopes) will adjust and fine tune.

3 Process Failures (machine stops)

In case of process errors (e. g. force errors or counter stops) the machine will be stopped by the **IMPAX-SK 4** (the green AUTO light turns off, the red AUTO light turns on). The display's top line turns red. The error reason and stop time are displayed.

4 Re-start after machine stop

A) <u>If you wish to re-learn new envelope limits after start-up:</u>
- press the **MAN**-key (stop relays are released so machine can be jogged)
- eliminate the cause of the stoppage, re-start the machine and check the parts
- when parts are ok, press **AUTO** again to start a new learn and activate monitoring.

B) <u>If you wish to continue using the previous envelope limits:</u>
- go straight to **AUTO** from STOP. Eliminate error and restart the machine
- the monitoring mode will restart as soon as the machine runs consistently

C Set the part counters

- press function key C (counter C1 for order size will appear)
- to set count press (C) (the old value turns blue), enter your desired new count
- confirm your entry with (E). Actual count zeroes, confirm again with (E)
- to switch counter from stop active (√) to not active (-): press any key
- use the buttons (2), (3) or (4) to call up the other counters

S Set Sensitivity (**S**) and Tolerance (**Tol**)

- Press and then a numbered key to move to the desired channel
- to adjust settings press the (C) key (the sensitivity number will turn blue)
- first adjust **sensitivity (S)** setting (1=coarse, 9=fine, 0=channel is off)
- confirm with (E). The blue box moves over to **tolerance (Tol.)**
- adjust **Tol.** (1-9 allows faults, 0= immediate stop) and confirm with (E)

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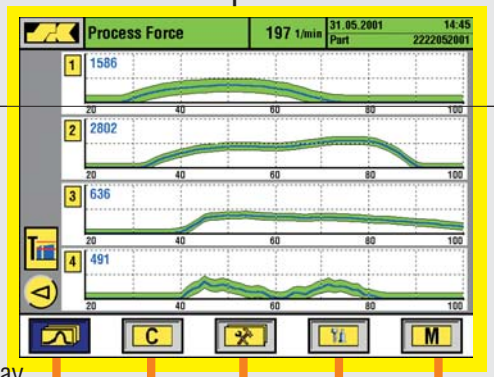
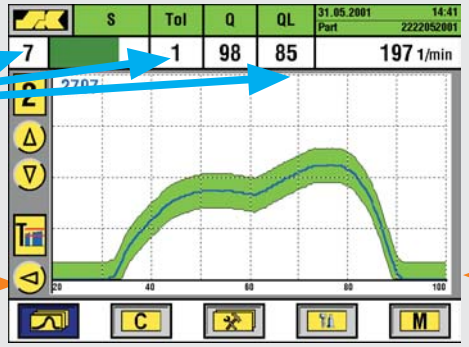
IMPAX-SK 4

Displays & Operating Screens

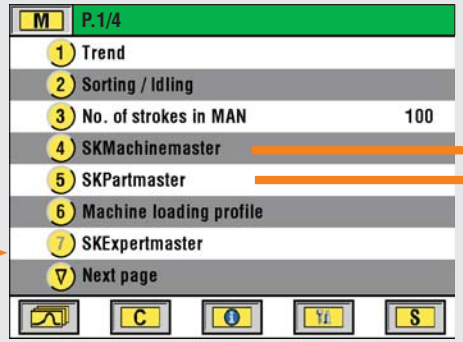
Start-Up Screen





Waveform/s Display

1,2..

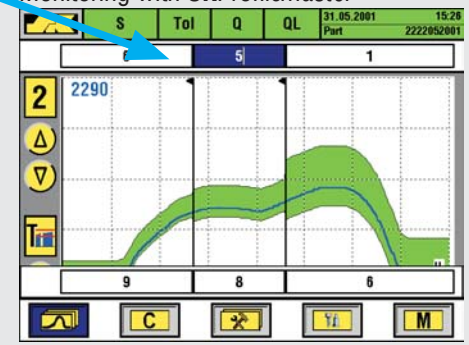


Part Data Memory

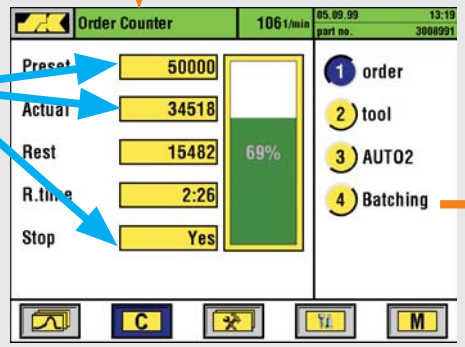
Target Curve Memory

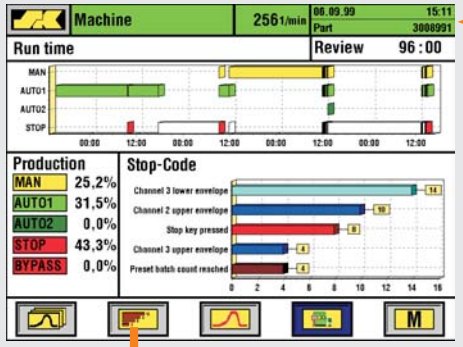
C

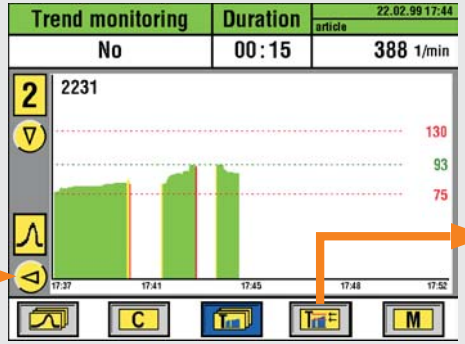
Monitoring with **SK**Profile*master*



C

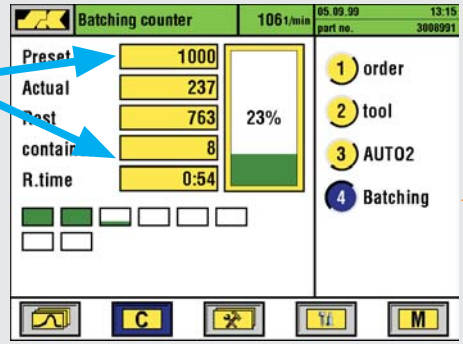






Trend Limits

C



4

C → activates the data entry mode

→ advances to the next screen

◁ 4 1,2.. Press to activate the function

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