OWECON Flexo Printing Unit

User Manual

OWECON FLEXO PRINTING UNIT 1
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1. General Description

Start sequence:

By pressing the START button once the horn will sound for 2sec, by pressing again “within the first 2 sec after the horn has silenced” the printing units will start accelerating up a base speed of 5m/min, “the lamp will be flashing at slow rate”. This will allow the operator to check and adjust the print before running up to production speed.

By pressing the START button once again the machine will accelerate up to production speed “The Start lamp will light constant”

Printing to Pre-printing:

By pressing the button once during printing the units goes into the state Clean Kliche where the anilox roller will open first “removes the ink from the Kliche” and then open the printroller and the units will be back in the pre-print state

Stop sequence:

By pressing the STOP button once during printing the machine decelerates down to 5m/min and the print units go into the state Clean Kliche where the anilox roller will open first “removes the ink from the Kliche” and then open the printroller and the machine stops

By pressing the STOP button twice within 1,5 sec regardless of the current state, the machine decelerates direct down to stop “the lamp will be flashing at fast rate”.

At standstill the anilox roller will continue turning as long as the ink pumps is active.

TURN button:

By pressing the TURN button at still-stand the horn will sound and the machine will move at turn speed 5m/min (the TURN button has no function during running).

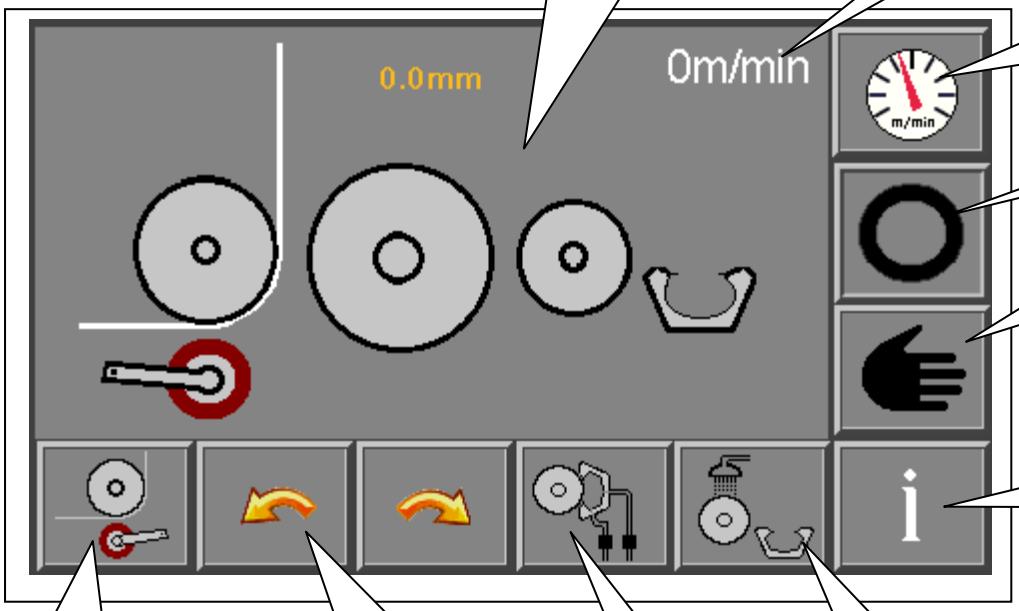
- Register button +: (Has multi function depending on the Machine state.)

Machine Stopped: rotate the print roller in plus or minus direction

Machine Printing: Moves print roller plus or minus 1/100mm per click if value in move Distance=0.0. If the parameter is different to zero the print roller will move the distance in the direction the Register button is turned.

2. Main Screen

Home Screen:



Printing Status Animated Graphic

Printing Speed

To Linespeed Screen

Print Unit Off / On

Manuel / Auto Mode

Press to enter the INFO screen and setup

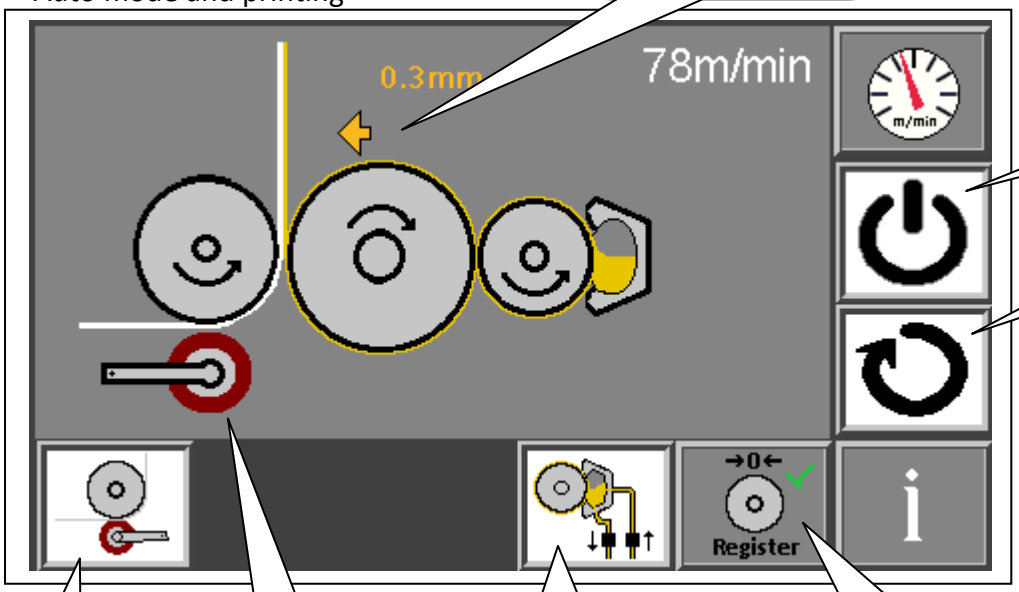
Nip Roller Open / Close

Press arrows to Change state in Manual mode

Ink Pump mode

Clean Anilox Off / On

Auto mode and printing



Register moving slowly 0.3mm minus

Print Unit : On

Print Unit : Auto

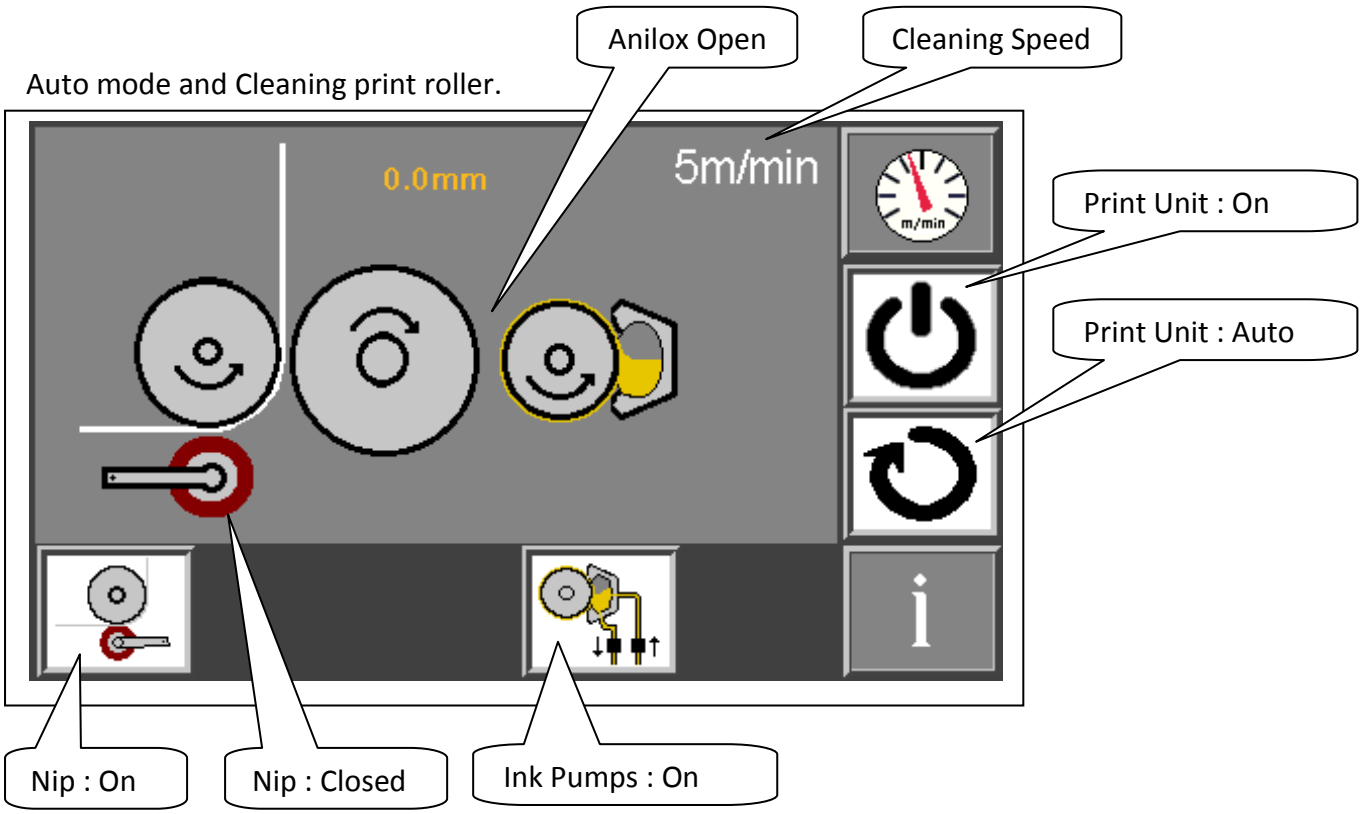
Nip : On

Nip : Closed

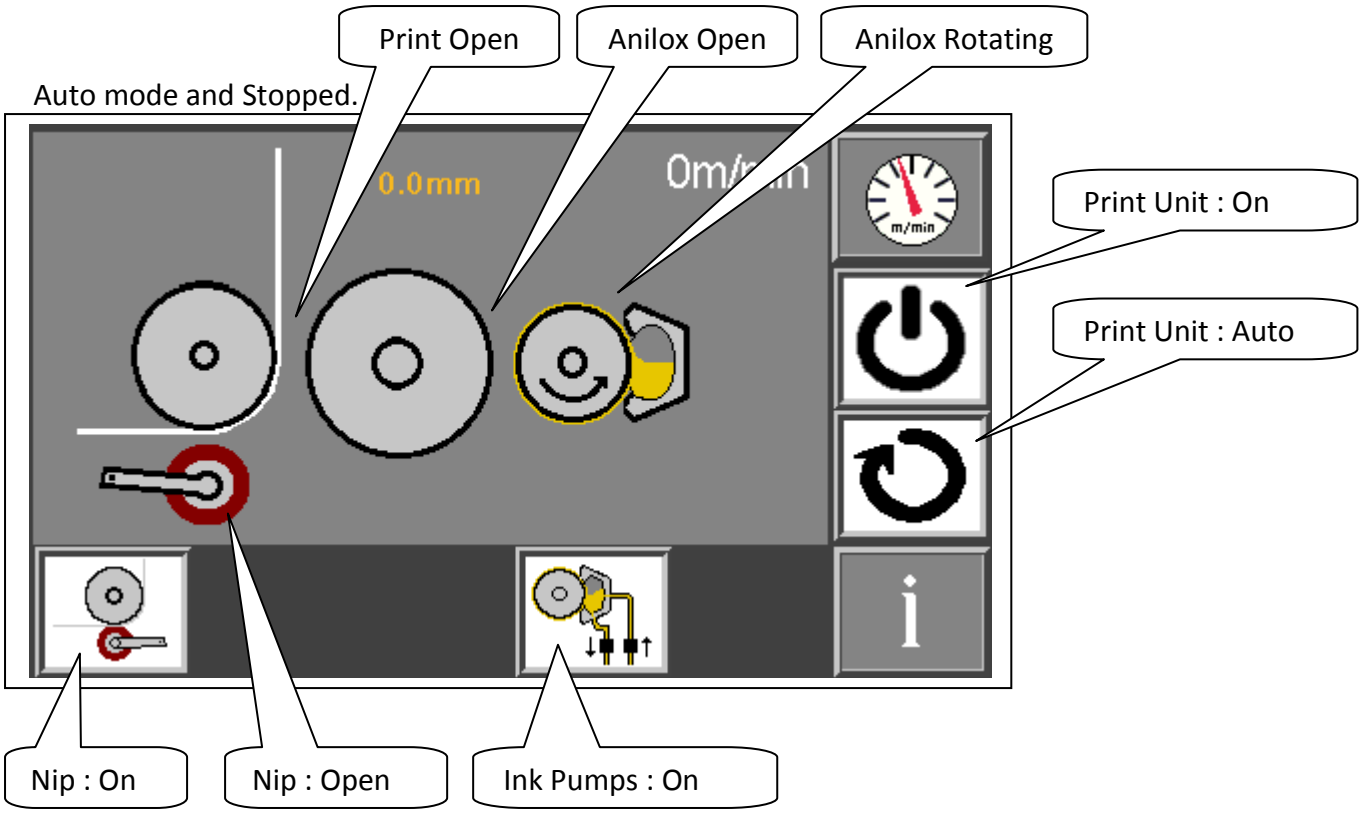
Ink Pumps : On

Print kliche is in Zero position

Auto mode and Cleaning print roller.

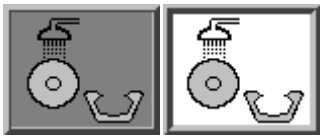
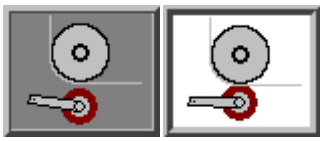
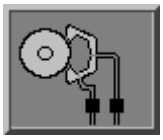
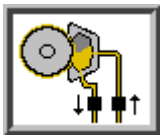
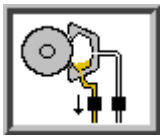


Auto mode and Stopped.

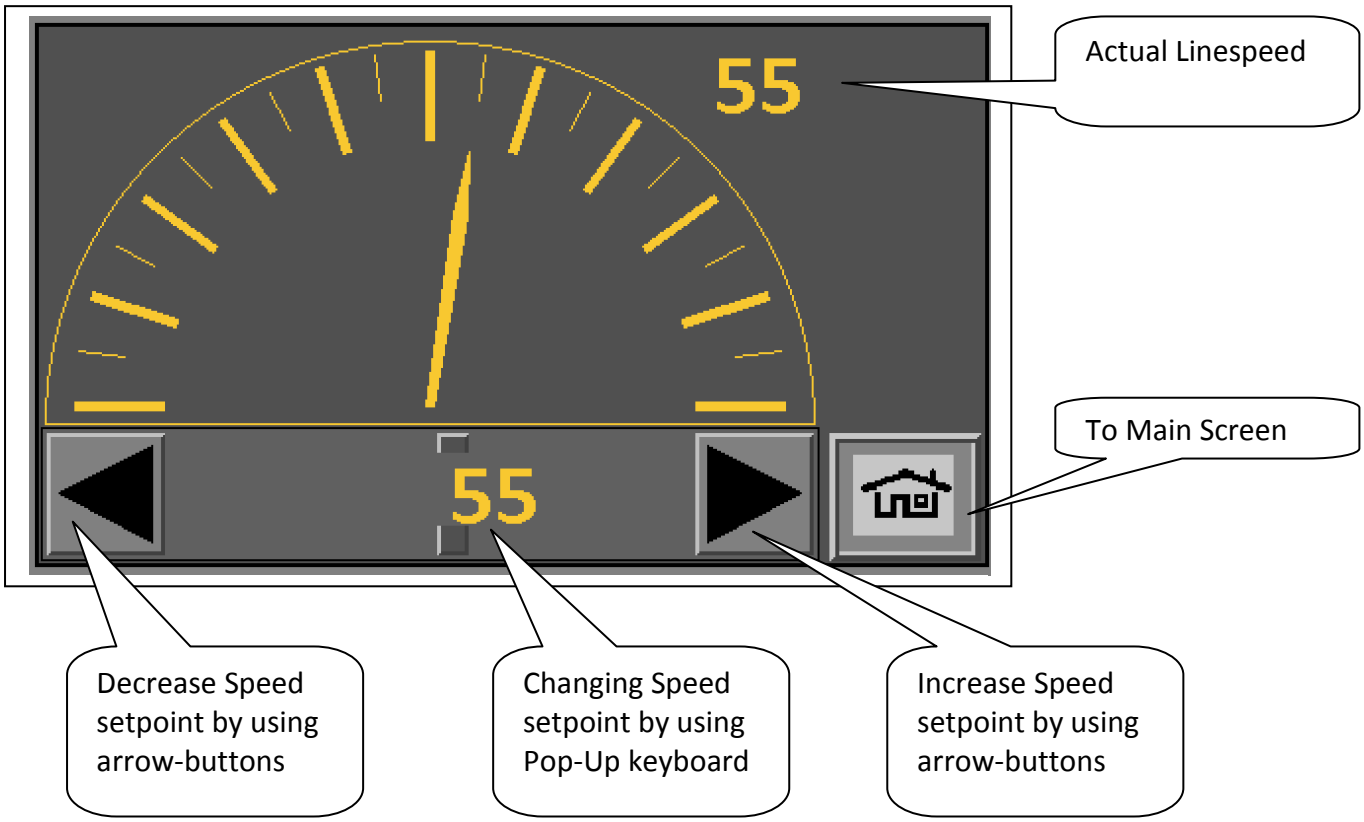


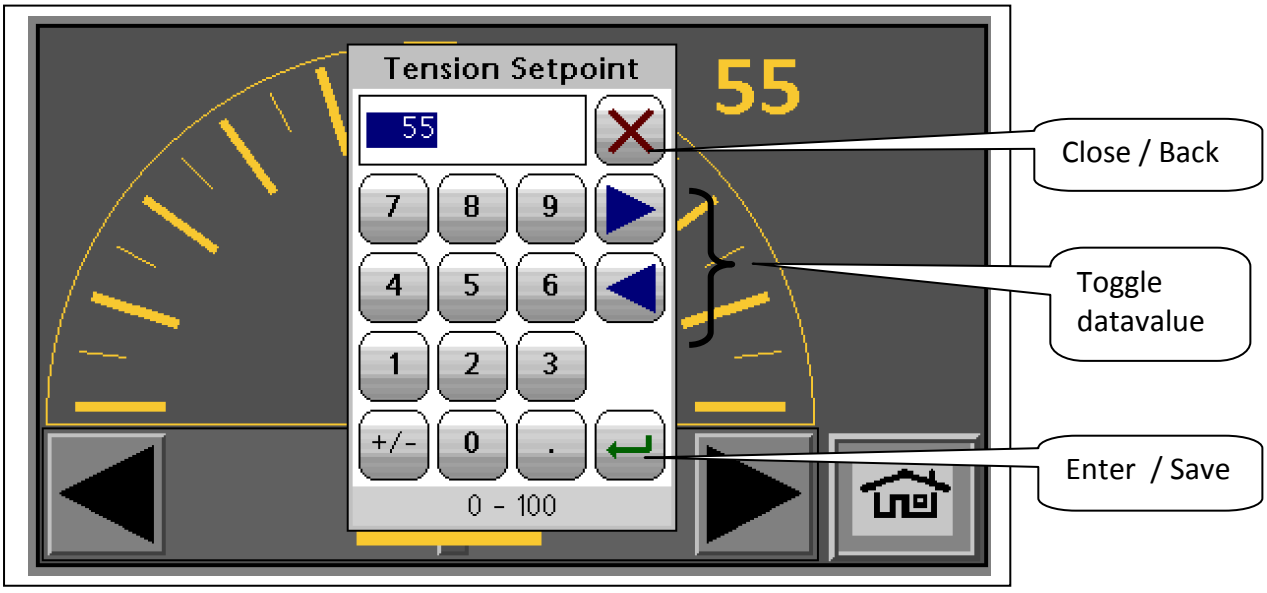
2.1 Main incon buttons

Printing Status
Animated Graphic

	On: The P nit is enabled Off: In off te the Unit can be cleaned and setup
	Auto: The unit is changing between the printing states automatic Manual: Print states can be changed with the arrows
	In Manuel: single steps between the printings states Preprint, Printing, Clean kliche and Open
	In Off state: Turns the Anilox roller on for manuel cleaning
	Open / Close the master unit Nip Roller
	Inking pumps are turned Off
	In and Out Pumps is turned On
	Only Out Pump is turned on, stops automatically after 1 min. is used to empty the ink chamber

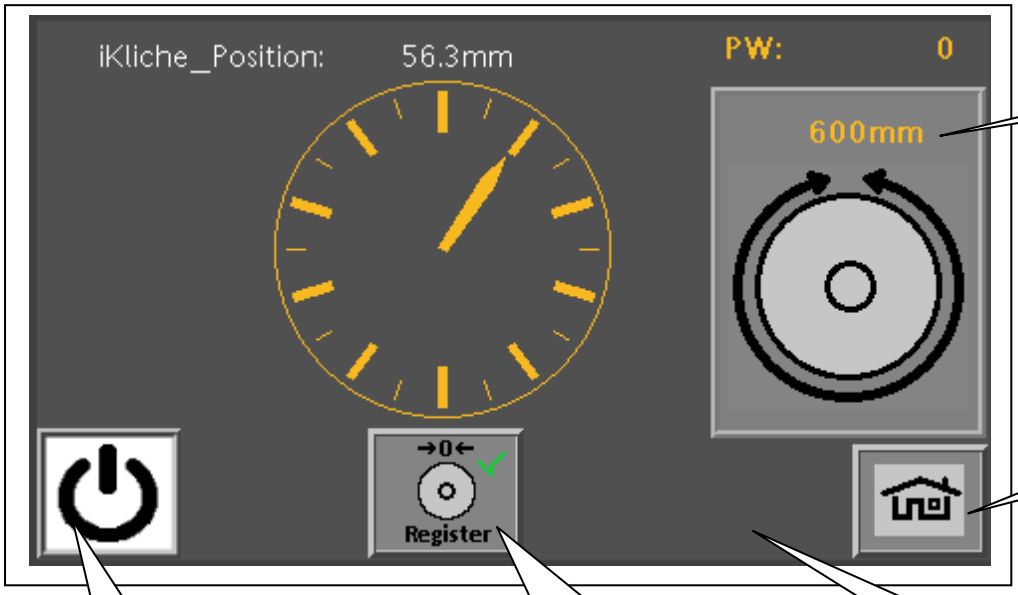
3. Linespeed Screen





The Pop-Up Keyboard is a multi input tool, to use for all data value entries. Simply touch the value on the screen for entry - and the keyboard pops up. Save and close with

4. Info Screen (Print Position)



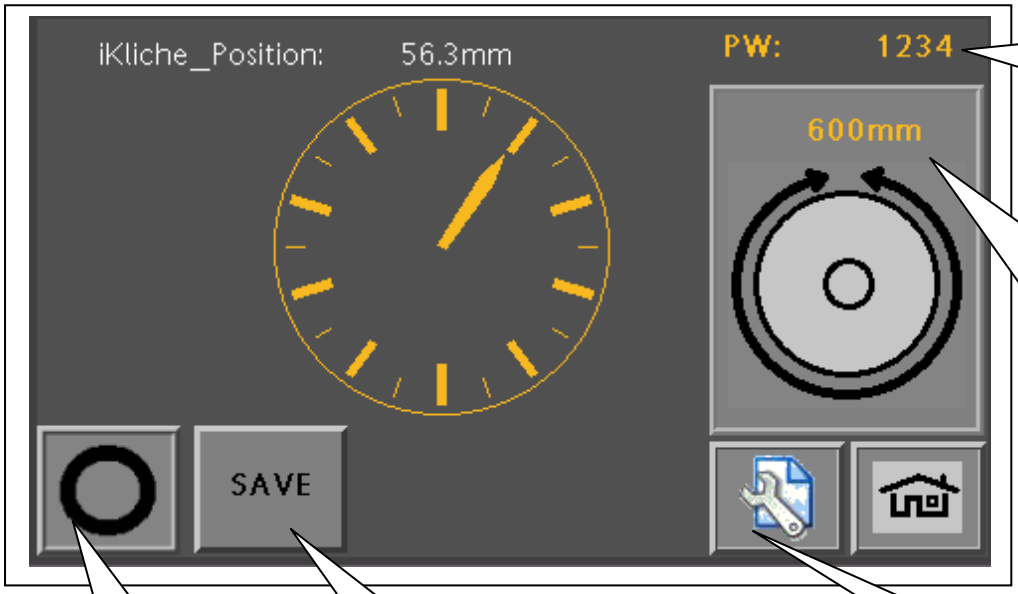
Format length

To Main Screen

Print Unit is enabled

Sets the print cylinder position to zero

To Setup Screen



Password enter 1234 to access The setup Screen

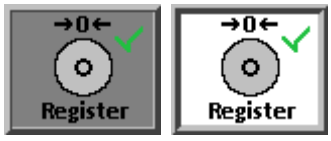
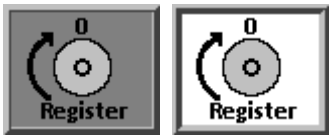
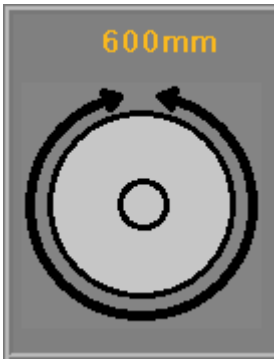
Format length can be changed when the print unit is disabled.
Press SAVE and then enable the Print unit again

Print Unit is Disabled

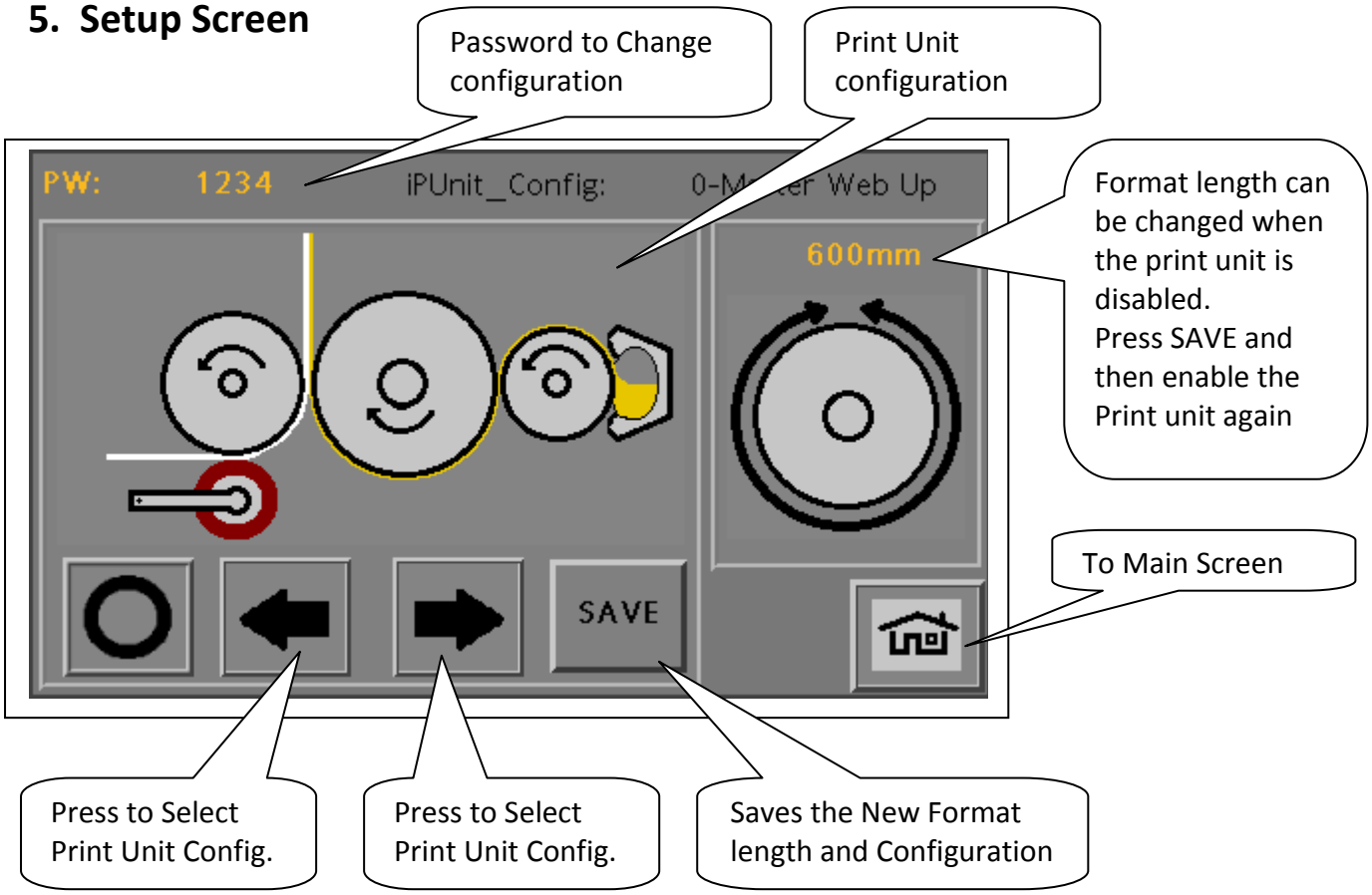
Saves the New Format length

To Setup Screen

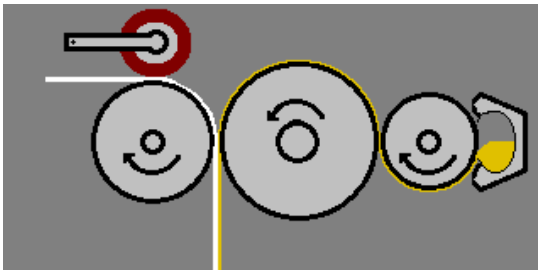
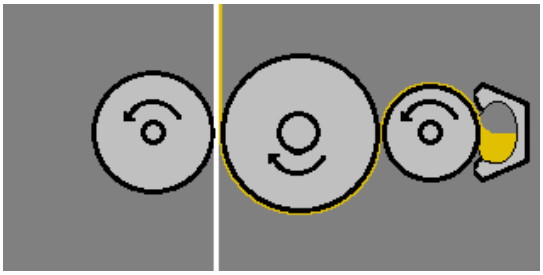
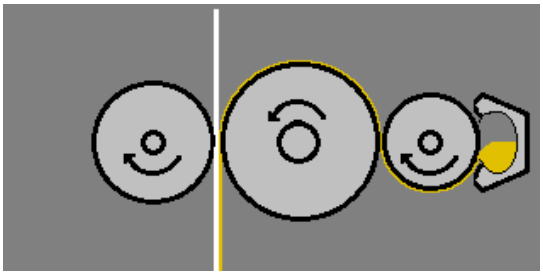
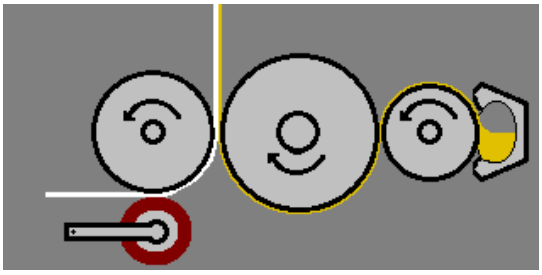
4.1 Info Screen Icons

	On: The Print Unit is enabled Off: In off state the Unit can be cleaned and setup
	Resets the Print roller position. Press when the print is in register.
	Moves the Print roller back to the →0← position
	When changing the Print roller. Change to the correct format length and press the SAVE button “Changes the gear ratio in the servo controller”

5. Setup Screen



4 different configurations can be selected

1: Master Unit 	3: Slave Unit 
2: Slave Unit 	4: Master Unit