



## **SMotionX Series**

**PLCs (Controllers)**  
for Plastic & Packaging Machinery

## **SDRV Series**

AC Servo Drive & Motor  
DC Stepper Drive

# BAGkon

## PLCs (Controllers) for Bag / Pouch Making Machine

**Rainbow**



**Vibrant**



**Genius**



**Comfort**



**Economy**



- Can be interfaced with any stepper / servo drive to motor control the movement of bag / pouch pulling roller of the machine
- Auto speed selection with bag size
- Software calibration for bag length setting in mm to care different roller diameters & pully ratio
- ON/OFF facility to facilitate both printed & plain bags from keypad
- Programmable speed profile with Acceleration, Deceleration, Start speed, End speed & Peak speed
- 0-10 V Analog Output for main motor / Unwinder control (Optional for Comfort / Genius model). Synchronization of main motor with bag pulling roller
- No. of Batches (3 Digits) : Programmable count for no. of batches, Bunching & Cold Pin output.
- Conveyor control (Optional for Comfort / Genius model)
- Suitable for Bag Making Machine like Side Sealing, Bottom Sealing, Standy, Zipper, Pouch Making etc.
- Ready solution to retrofit any mechanical / clutch brake type machines to improve accuracy and production output, also reduces wastage while setting up new job.
- Drive interface through RS 485 serial / Quadrature pulse

Features	Model				
	Eco	Comfort	Genius	Rainbow	Vibrant
Size (mm)	96 x 96	144 x 144	144 x 144	190 x 140	144 x 144
Digital Outputs	1 No.	10 Nos.	10 Nos.	10 Nos.	10 Nos.
Digital Inputs	2 Nos.	5 Nos.	6 Nos.	5 Nos.	5 Nos.
Single Stroke operation	---	Yes	Yes	Yes	Yes
Batches Counter	---	Yes	Yes	Yes	Yes
Batch Over Missing Stroke	---	Yes	Yes	Yes	Yes
Password protection	---	Yes	Yes	Yes	Yes
Numeric keypad (0 to 9 keys)	---	Yes	Yes	Yes	Yes
Analog Output	---	2 Nos.	2 Nos.	2 Nos.	2 Nos.
Analog input	---	1 No.	1 No.	1 No.	1 No.
Job Memory (Optional)	---	25 Nos.	25 Nos.	25 Nos.	25 Nos.

# DIGIservo

## AC Servo Drive and Motor



# DIGIstep

## DC Stepper Drive



- Microcontroller & DSP based Efficient IGBT-IPM indigenous technology
- Encoder - 2500 PPR

Torque	Power in Watt	RPM
1.2 N-m	450	3000
2.2 N-m	750	3000
4.7 N-m	1000	2000
7.2 N-m	1500	2000
9.6 N-m	2000	2000

Specifications	
Power	
Input Supply	230Vac $\pm$ 10%, 47-53Hz Consumption 6 VA Max.
Control	
Digital Input	10-30 Vdc / 30mA - NPN-NO
Digital Output	24 Vdc / 100mA
Analog Input	0-10 Vdc / 30mA
Analog Output	0-10 Vdc / 30mA
Environment	
Temperature	0-50°C
Humidity	5-95% Rh, Noncondensing

- Indigenous Microcontroller, MOSFET based technology
- Operation: Full step / Half step
- Modes: Pulse / Speed / Synchronization / Positioning

Drive Model	Input Voltage DC	DC Output Current-Amp
SDRVU-LL	40	5
SDRVB-HL	70	5
SDRVB-HH	100	7

Application Area	
Plastic	Bag / Pouch making, Slicing
Pharmaceutical	Labelling, Filling, Indexing
Consumer / Food	Labelling, Filling, Indexing
Printing / Paper	Sticker / Paper printing, Embossing, Cutting
Machine Tools	Feed in grinding, milling, drilling, Lathe, Engraving, Indexing Spark erosion, X-Y table, 2/3/4 axes control, Back gauge in Shear & Hydraulic press
Chemical	Filling, Metering pumps, Servo valve control
Others	Winding

# LABkon

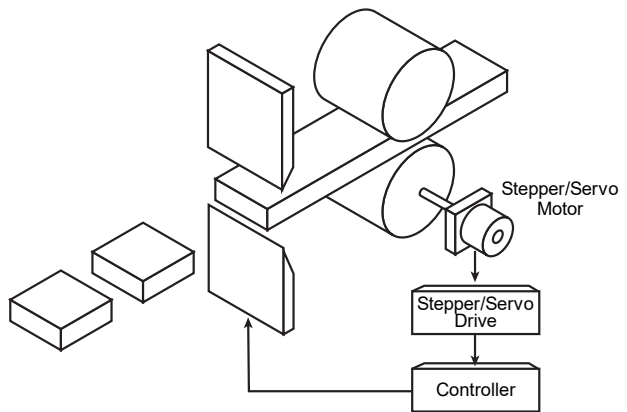
## PLCs (Controllers) for Sticker / Bottle Labelling Machine

Comfort



- Can be interfaced with any stepper / servo drive or motor to control the movement of label pulling motor of the machine
- Software calibration for length setting in mm to care different roller diameters & pully ratio
- Programmable speed profile like Acceleration, Deceleration, Start speed, End speed and peak speed
- Facilitates ON / OFF operation of conveyor motor from keypad
- Facilitates synchronization of movement of label pulling roll with the movement of conveyor motor

Our customized controller (PLCs) can be interfaced with DIGIStep (DC stepper Drive) or DIGIServo (AC servo Drive and Motor) for any Cut to Length application.



We Appreciate Both OEM and Retrofitting Inquiries

\* Thanks to Continuous Innovations, Specifications & Features are Subject to Change

Authorised Dealer

**After Sales Support**

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