



**YASH**



**FULLY AUTOMATIC  
ELECTRONICS JIGGER DYEING MACHINE**

## **SPECIAL FEATURES FOR YASH MAKE JIGGER**

**The new age of fully automatic electronics jigger dyeing machine maintain the tension, speed and temperature of the fabric using modern technology (PLC with colour screen display). Our jigger provide many advanced features, some of which are :**

- Fully Automatic electronics jigger dyeing machine is easy to operate & maintenance free compared with hydraulic & mechanical driven jigger dyeing machine.
- Colour screen for indication of all valves, main tank volume in liter, colour tank volume in liter, set speed, actual speed, tension & temperature of main tank.
- Constant tension of the fabric at any speed & batch diameter can be adjustable from 5 to 50 kg.
- Constant speed of the fabric at any batch diameter can be adjustable from 5 to 125 mtrs./min
- Automatic temperature control through direct heating and indirect heating.
- Smooth fabric running due to individual electronic drive of two main rolls.
- Pendulum facility to avoid unbalancing of batch.
- Bubbling sensor is used to measure the volume of colour tank.
- Automatic reversal of the fabric.
- Linear, progressive and regressive dosing can be achieve using PLC. We can provide facility to make our own graphics for dosing.
- Closed construction of the machine prevents the heat loss.
- Roof heating prevents condensation.
- Pneumatic door opening on the both sides of the machine ensures smooth opening & closing of the door.
- Circulation & spray system through centrifugal S.S. pump ensures trouble free dyeing.

# PLC AND AUTOMATION

## DTR 650

DYEING MACHINE CONTROLLER



### SPECIFICATION

● Operation Voltage	24VDC
● Operation Temp.	5~45°C
● Display Panel	320 x 240 Dots TFT 256K Colour
● Key Board	24
● PT100 Input	2 (max 6)
● Analog Input	4 (max 12)
● analog Output	4 (max 12)
● Digital Input	32 (max 72)
● Digital Output	32 (max 96)
● PID Control Loops	8
● Communication Port	RS-232 / 0 - 20mA x 1 : RS485 x 2
● Memory Card Connector	PCMCIA Standard
● Program Memory	15000 Steps
● Max Program	200
● Max Step	200
● Dimension	302W x 175H x 90D mm
● Cut Out Dimension	282W x 159D mm
● Expansion Device	DTR-PLC32, PLC32D

## DTR 800

DYEING MACHINE CONTROLLER

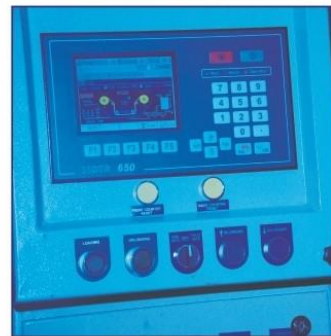


### SPECIFICATION

































● Operation Voltage	24V DC, 1A
● Operation Temp.	5~45°C
● Display Panel	8" 800 x 600 TFT 256K Colour / Touch Screen
● PT100 Input	4 (max. 8)
● Analog Input	8 (max. 16)
● Analog Output	8 (max. 16)
● Digital Input	48 (max. 112)
● Digital Output	48 (max. 112)
● PID Control Loops	16
● Communication Port	RS-232 / 0 ~ 20mA x 1 RS485 x 2 RS485 x 1
● USB Port	1
● Dimension	236W x 306H x 90D m.m.
● Cut Out Dimension	214W x 284D mm



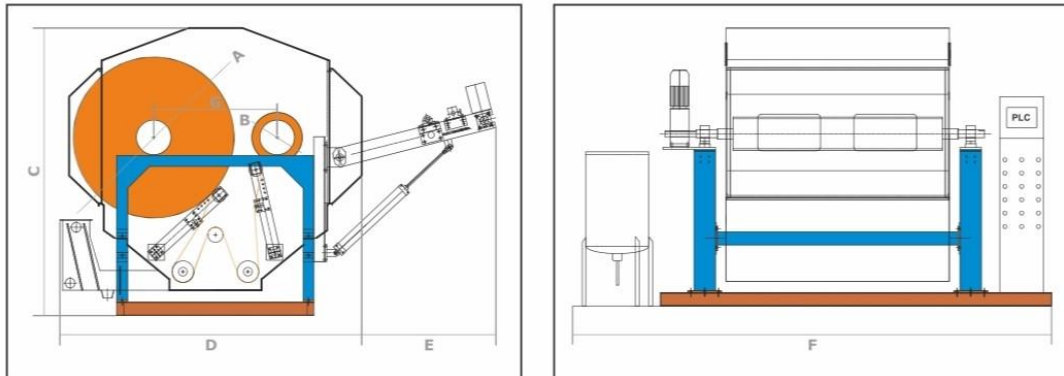
## FULLY AUTOMATIC ELECTRONICS JIGGER DYEING MACHINE



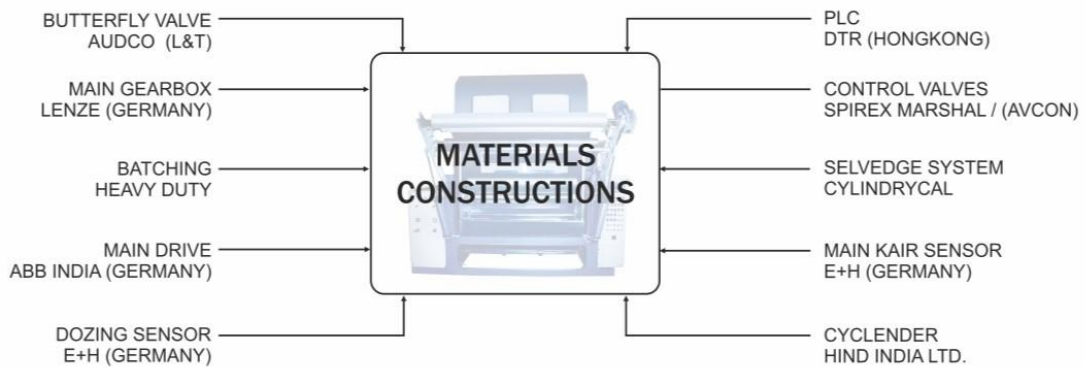
### SPECIAL INSTRUCTIONS FOR JIGGER DYEING MACHINE

 END	 RUN	 INJECT C	 CYC. RINSE
 START	 CALL	 DOSING BV	 RINSE B
 HEAT	 PREP. B	 ADDSALT B	 RINSE C
 COOL	 ADDSALT B	 ADDSALT C	 TEMP
 FLOW FILL	 DOSING B	 ANA. FILL	 MAIN PUMP
 LEVEL FILL	 INJECT B	 LOCK FILL	 PUMP SPEED
 DRAIN	 PREP. C	 LOCK LEVEL	 ROOF HEAT
 OF RINSE	 DOSING C	 LOW RINSE	 SWITCHING

## ATMOSPHERIC JIG DYEING MACHINES



MODEL	K.G.	A	B	C	D	E	F	G
Y - 1500	1500	1600 mm	425mm	2950 mm	3190 mm	1350 mm	4650 mm	1250 mm
Y - 1000	1000	1400 mm	320mm	2650 mm	2785 mm	1235 mm	4575 mm	1140 mm
Y - 500	500	1000 mm	270 mm	2100 mm	2270 mm	1100 mm	4400 mm	900 mm
Y - 300	300	800 mm	220 mm	1500 mm	1600 mm	900 mm	4100 mm	740 mm
Y - 150	150	700 mm	190 mm	1300 mm	1400 mm	750 mm	3800 mm	550 mm



**"YASH MICRO CONTROLS"**, Ahmedabad is a joint venture between DTR INDUSTRIAL & COMMERCIAL CO., LTD. (HONGKONG). The company owns many year's manufacturing experience in completing dyeing and printing machine automation with powerful technical scientific research team, advanced production equipment, perfect production management, after-sales service system, and establishing a set of complete product inspection system. Our goal is to offer the first-rate products and after-sales service.

Our company sticks to the business ides customer foremost, faith-centered and service for survival and innovation for development in India. We have perfect sales network channels and our products are sold nationwide. Our company is offering considerate and fast professional support and service to customers. Quality comes from character, innovation pushes forward development. Our Company will continue to march on its way of specialization, individualization, mass production, standardization, create professional, excellent dyeing and finishing equipment for customers.

Yash make electronics fully automatic jigger dyeing machine is an easy to handle and programme easily with manual - semi automatic - fully automatic selection through PLC (Programmable Logic Controller)







Works :

**YASH MICRO CONTROLS**

Survey No. 560, Nr. Acquet  
Surgical, Ranakpur, Ta. Kalol,  
Dist. Gandhinagar, Gujarat  
India - 382721



**MFG. OF TEXTILE MACHINERY AND  
PROCESS CONTROL INSTRUMENTS**

**Postal Address (H.O.) :**

15, Krishna Estate, Opp - Sukhram Estate,  
B/h. BOC gas india Ltd.,  
Panna Estate Road, Rakhial, Anmedabad  
380 023 (Gujarat) INDIA

**Phone :** 00-91-79-22747581

**Telefax :** 00-91-79-22744070

**Email :** yash\_micro@hotmail.com,  
info@yashmicro.com

**Website :** www.yashmicro.com



**VISIT US  
HALL No. 6  
INDIA ITME 2012**

**9th India International Textile Machinery Exhibition  
2 - 7 December 2012  
Bombay (NSE) Exhibition Centre, Mumbai, India.**

**Applications**

Atmospheric jigger dyeing machine is mostly used for natural and regenerated fibers such as cotton, linen, silk, acetate and rayon as well as some synthetic fibre such as nylon

DUE TO CONTINUOUS DEVELOPMENTS, DIMENSIONS & OTHER DETAILS IN THIS CATALOGUE MAY CHANGE WITHOUT NOTICE.