



ISO 9001:2015

Johnfarbe®

THE DYEING MACHINES MANUFACTURER



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www.johnfarbe.com

JAYAA ENGINEERING

THE DYEING MACHINES MANUFACTURER
SINCE 1994

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ULTRA LOW LIQUOR RATIO

Dyeing Machines From JAYAA Engineering-SINCE 1994

www.johnfarbe.com

ecoezziz
german tek

About The Company

Johnfarbe is a dyeing machines manufacturing company with the smartness of future technology and automation. We hold our legacy in sustainable manufacturing and minimal usage of resources in our machineries manufactured. In our all new ecoazziz allowed us to make dyeing smarter with Industry 4.0 and ultra low liquor ratio 1:2.2 as a mark in dyeing with high efficiency. The companies headquarters, located in Tiruppur, the research and development in Tiruchirappalli, together manufactures at 3000 sq meters of closed area. The sales & post sales with technical assistance is located in Tiruppur. Johnfarbe makes its own innovation in development and applies on its own products.

Why us

The world of textile finishing challenges water conservation for future. We strive to satisfy the global trend of green production by lowering the liquor ratio which is the first priority for the customers to choose our dyeing machine.

The supremacy in our technology is it optimises the use of inputs and reduces the process time that fulfills the investment for any house, at the same time ensuring the minimum environmental impacts and sustainability which increases the productivity and enhanced reliability.

ecoazziz

ecoazziz II is a new generation machine for open-width & rope fabrics dyeing processes designed and produced by Johnfarbe. As an evolution of the previous ecoazziz, this new version controls and automatically operates all the machine parameters (lap time, bath ratio, fabric absorption, pump speed, reel speed) appropriate to the processed fabric. The futuristic new ecoazziz II is progressive even more in its total automation. The control of the fabric movement has been improved that allows high working speeds without piling, crease marks and tensions. New technical solutions provide a higher mechanical reliability while maintenance procedures had been changed for optimizing productivity, thanks to reduced machine down-times.



The all new is the culmination of three decades of experience in ULTRA LOW LIQUOR RATIO.

ecoazziz II, minimises water and power consumptions without sacrificing quality of production by means of design focused energy saving and environment.

	Light shades	Middle shades	Dark shades
Water (l/kg)	22	25	28
steam/kg of fabric	1.1	1.2	1.7
Energy (kW)	0.11	0.12	0.13
Process time (H:min)	6:00	7:00	8:00

For bleaching 10.0 L / Kg.

Final liquor ratio: Running 1:2 liters + Fabric absorption 200%

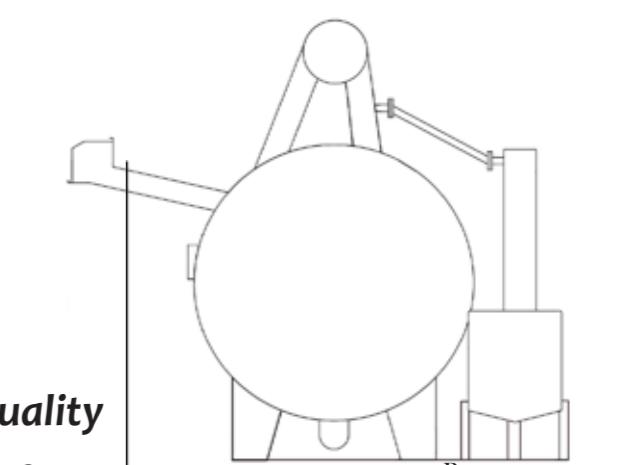
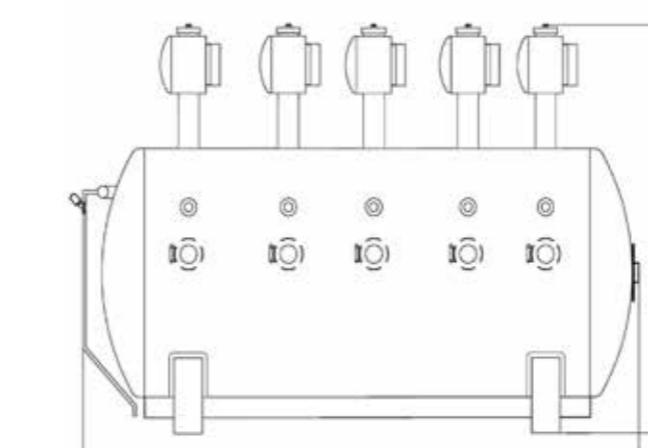
Basis knit cotton 100% - reactive process | Fabric absorption: 200%

MODEL	Capacity	PUMP	REEL	DOSING	STIRRER	PLAITER	UNLOAD	At1	At2	STK
E'azziz - 1T	350	10 Hp	3Hp	1Hp	1Hp	1Hp	1Hp	200L	200L	1700
E'azziz - 2T	700	20 Hp	3Hp	1Hp	1Hp	1Hp	1Hp	350L	350L	3400
E'azziz - 3T	1050	25 Hp	3Hp	1Hp	1Hp	1Hp	2Hp	450L	450L	5100
E'azziz - 4T	1400	30 Hp	3Hp	1Hp	1Hp	2Hp	2Hp	575L	575L	6800
E'azziz - 5T	1750	45 Hp	3Hp	1Hp	1Hp	2Hp	2Hp	675L	675L	8500

MODEL	Capacity	PUMP	REEL	DOSING	STIRRER	PLAITER	UNLOAD	At1	At2	STK
E'azziz - 1T	400	10 Hp	3Hp	1Hp	1Hp	1Hp	1Hp	250L	275L	1700
E'azziz - 2T	800	20 Hp	3Hp	1Hp	1Hp	1Hp	1Hp	400L	400L	3400
E'azziz - 3T	1200	25 Hp	3Hp	1Hp	1Hp	1Hp	2Hp	500L	500L	5100
E'azziz - 4T	1600	30 Hp	3Hp	1Hp	1Hp	2Hp	2Hp	625L	625L	6800
E'azziz - 5T	2000	40 Hp	3Hp	1Hp	1Hp	2Hp	2Hp	725L	725L	8500

MODEL	CAPACITY	INSTALLED POWER	RUNNING POWER	DIMENSIONS		
				Length	Width	Height
E'azziz - 1T	350	19 Hp	10Hp	3500	5000	4500
E'azziz - 2T	700	32 Hp	16Hp	4750	5000	4500
E'azziz - 3T	1050	41 Hp	22Hp	6000	5000	4500
E'azziz - 4T	1400	51 Hp	26Hp	7250	5500	4500
E'azziz - 5T	1750	63 Hp	30Hp	8500	5500	4500

MODEL	CAPACITY	INSTALLED POWER	RUNNING POWER	DIMENSIONS		
				Length	Width	Height
E'azziz - 1T	400	19 Hp	10Hp	3700	5000	4500
E'azziz - 2T	800	32 Hp	16Hp	5000	5000	4500
E'azziz - 3T	1200	41 Hp	22Hp	6250	5000	4500
E'azziz - 4T	1600	51 Hp	26Hp	7500	5500	4500
E'azziz - 5T	2000	63 Hp	30Hp	8750	5500	4500



Quality
&
Perfection



Double Rope

The Advanced Heat Exchanger reached the set temperature shortl.
As in a machine capacity of 1000kg 90 °C reaches at max 15 min.

Cooling Gradient : Approx 4 °C/min at water pressure of 6 bar and 15 °C.

Heating Gradient : Approx 4 °C/min upto 90 °C % 3 °C/min upto 135 °C/min at stream pressure of 6 bar.



Vertical Heat Exchanger

Reel Speed upto 450 m/min for depending on fabric.

We couple pully with belt, aligned with high quality mechanical seal..

We increase productivity , as all the machineries by ecoezziz can work at “ double (multiple) ropes” in the same dyeing chamber without entanglements, tensions and knot.

The special ecoezziz plaiter, thanks to its movement, fills 100% of the basket and positions the fabric evenly, resulting in through utilization of the production capacity and the possibility of working in double ropes.

All Dyeing machines are automatically controlled by means of advanced operational panel.

ecoezziz build entirely with **AISI SS 316L**.

OPTIONS

Auto-cleaning filter

Seam detection and cycle time control



Tower

Plaiter

ecoezziz is completely automated to keep up on the industrial revolution (4.0). The smartness of the machine lets you to monitor it completely.

This technology permits keeping the optimal load and the minimum bath ratio as well as the consequent control on production costs.



Industry 4.0 And IOT

ecoezziz

SAFEST TO WORK , NO SPIRALITY NO PILLING, MINIMAL WEIGHT LOSS & ELONGATION

More than 60% of total Saving.

Technical Specifications

Maximum operating temperature upto 135°C.
Individual inner winch drive as frequency controlled.
Adjustable speed up to 450 m/min.
Advanced automation controls the machine,
with Full Color Touch Display.
Avant-garde Dilute Dosing System
Plaiter For 100% basket utilization
smart reel entanglement detection.
Electromagnetic bi color liquor level indicator.
Auto level sensors for machine, additional tank &
reserve tank.
Stock tank for preheating and preparation.
Seam detection and cycle time control.

Advantages of ecoezziz

Minimised power and water consumptions
Capability to process wide range of fabrics.
Increased Nozzle Pressure

Rapid processing (Less than 8 Hrs)
Extremely Low Liquor Ratio 1:2.2 to 1:2.5
MAXIMUM LOADING CAPACITY RECOMMENDED 100%
Better handling double rope

The amount of free liquor in the machine is brought down,
which makes it easier to reduce the water consumption.

Running liquor ratio down to 1:1.8
Liquor ratio first bath down to 1:4
Remaining baths 1:1.8 to 1:2



compact in a meter

Technology

ecoezziz



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