



MTEX FALCON

Developed for wide format cotton and polycotton fabrics.

Printer technical Data

Head
Konica Minolta

Head Height
Adjustable 1.5 - 5mm
Z motor

Resolution
From 360 up to 1440 dpi

Drop Size
Variable
3 / 11 / 16 pL

Ink Pigment

Colors
4 color
CMYK

RIP
Open System

Print Speed
76 - 304 sqm/h

Dryer technical Data


Fabric width
3200mm


Heating
2 Gas fired burners


Temperature
90°C to 180°C

Drying Speed
0 - 320 sqm/h


Staggered Head
16


Quality Mode
720
dpi


Production Mode
92
lm/h


Print Width
3,2
mts

Electrical & Compressed Air Connection Requirements

Printer - MTEX FALCON - weight 4500Kg

Machine power plug: CEE (3P+N+E) 63A
Installation power plug: Socket CEE (3P+N+E) 63A
Machine main circuit protection: Differential Switch 4P, 40A, 300mA
Circuit protection at installations (reccomended): Circuit breaker 4P, 50A
Machine power consumption: 25000 Watts
Work pressure: 6 Bar - Airflow: 50l/m

Butterfly - MTEX BUTTERFLY - weight 1650Kg

Machine power plug: 3P+N+E Male 16Amp
Installation power plug: Socket 3P+N+E Female 16Amp
Machine main circuit protection: Differential Switch 4P, 25Amp 300mA
Circuit protection at installations (reccomended): Circuit Breaker 4P, 32Amp
Machine power consumption: 300 Watts

Polymerizer - MTEX OTTER - weight 9000Kg

Machine power plug: 3P+N+E Male 32Amp
Installation power plug: Socket 3P+N+E Female 32Amp
Machine main circuit protection: Differential Switch 4P, 25Amp 300mA
Circuit protection at installations (reccomended): Circuit Breaker 4P, 32Amp
Machine power consumption: 10200 Watts

Recommended Environment

Guaranteed temperature: 20 C to 25 °C
Humidity: 35% to 65% Rh (No condensation)
Temperature range: +- 10 °C/H or less
Dust: Equivalent to normal office level (dust-free and well ventilated)



The most competitive water-based organic pigment printer with a complete setup

Developed for wide format cotton and polycotton fabrics.

Applications
HOME TEXTILE / LINEN / UPHOLSTERY



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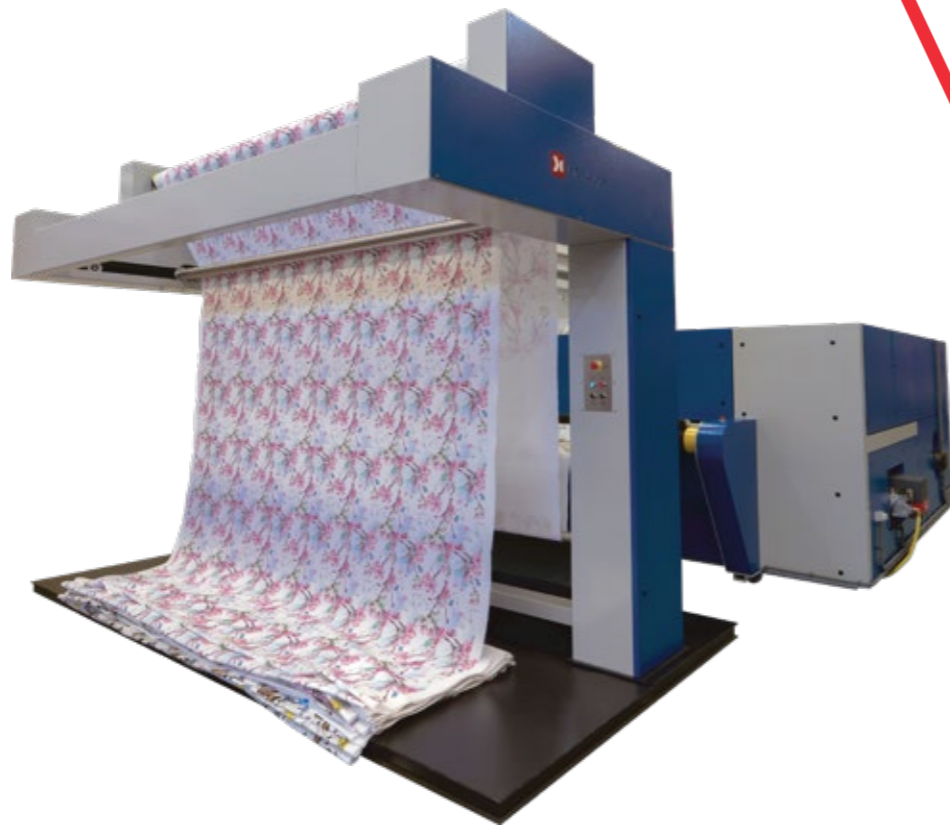
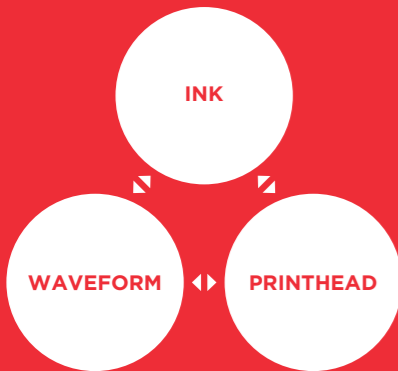
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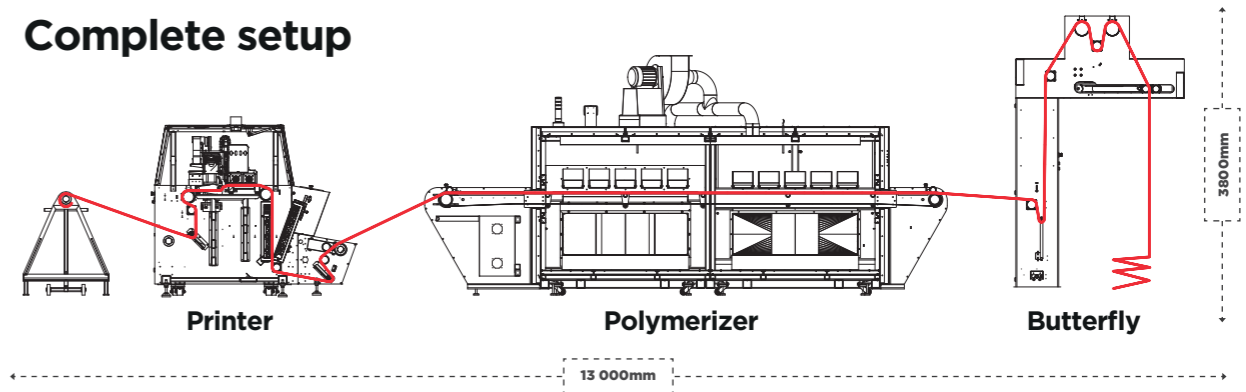
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Dot Advanced Positioning

DAP is an integrated system between the waveform, printheads and ink that enables automatic head alignment for maximum precision and lowest ink consumption. By offering a proprietary waveform rather than a generic one it guarantees an advanced control over the printheads which results into an unmatched drop accuracy and consistent print results. DAP delivers its promise: the lowest ink consumption and maximum precision to obtain the highest quality output.



Complete setup



Printer Details

Magnetic Linear Motor

Provides high acceleration / deceleration ratios with extremely high accuracy of 1mic, no maintenance, no gearbox or belts.



Printhead Control Technology developed and certified by MTEX

All electronics were specifically designed and integrated with MTEX firmware and software.

Designed and Engineered Degassing System

This allows the ink to be transported from the bottles to the print heads and only being degassed as close as possible to the print head.



8 bottle capacity, for 4/8 colors configuration

with 4 colors configuration, we can install 2 bottles per color and automatically switch from empty bottle to filled bottle on the fly.

Inbuilt pre-drying unit

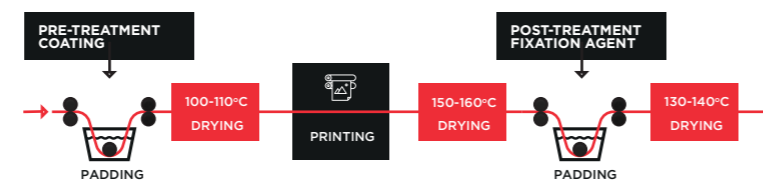
Inbuilt pre-drying unit with zone control and temperatures up to 150° Celsius



Extraction Unit

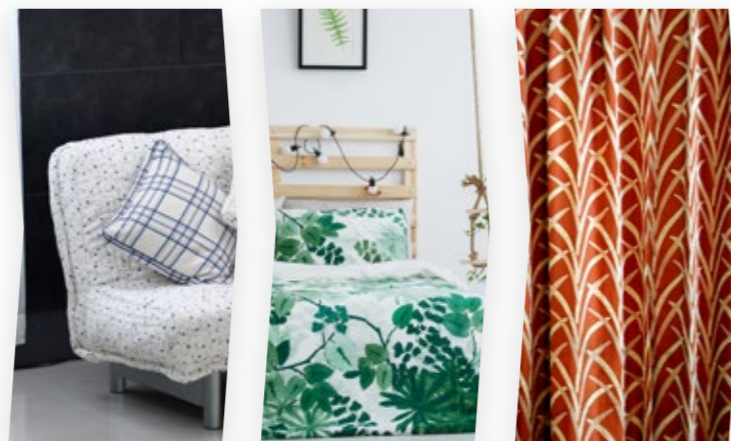
High Efficiency Particulate Air (HEPA) ensuring a clean working environment due to the filtration of dust particles.

Process for MTEX Pigment Series



Applications - Speed & Quality mode

FABRIC	RESOLUTION	SPEED/H	MODE
PES	720*720	46 ^{lm}	HIGH-QUALITY
COTTON	360*720	46 ^{lm}	QUALITY
POLLYCOTTON	360*720	46 ^{lm}	QUALITY



Manufacturing Intelligence for the Next Industrial Revolution

Better business decisions start with the best customers' intelligence.

MACAW is a unique intellectual property software designed to bring you a complete, end-to-end solution that addresses the specific needs of your business. This predictive software enables through a single unified interface to manage real time your stock, consumables and media over your production. It's an intuitive and powerful solution capable of giving precise ink consumption, energy saving, preventive maintenance, integrated database, robust reporting, and navigation capabilities.



Speed Chart

16 HEADS **04 COLORS**

2 PASS

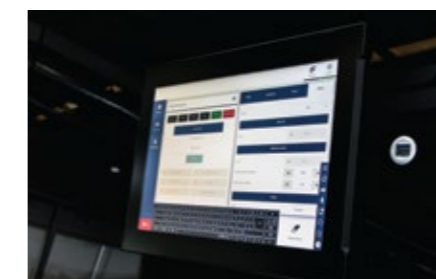
92 lm/h
360x720 dpi

4 PASS

46 lm/h
720x720 dpi

8 PASS

23 lm/h
720x720 dpi



Intuitive User Interface

- Live monitoring of production and machine parameters at a glance.
- Preview, Hotfolder, Queuing, print history, ink consumption per job, print speed, print temperatures.
- Operator warning with recommended procedures to follow in real time.