

Duplex Specifications

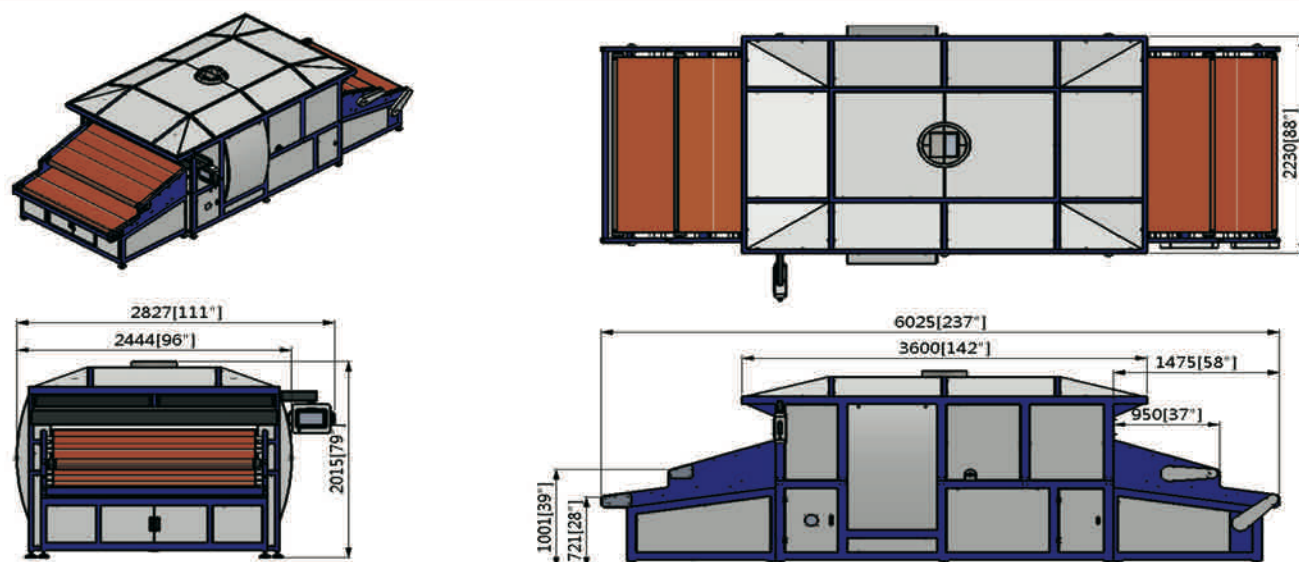
Description	DP-180-3
BTU Required	450,000
Gas Pressure Input Natural	10" W. G / 25mbar
Gas Pressure Input Propane	Line Pressure (reduced to 37mbar)
Gas Connection Natural	3/4" BSP
Gas Connection Propane	1/4" BSP
Recommended Gas Supply Pipe Size	1" BSP Steel Pipe
Electrical Supply	3 Phase 220V / 380V / 415V
Maximum Electrical Consumption	7Kw
Time from ambient temp to 160°C (320°F)	Approximately 15 minutes
Exhaust diameter	(12" BSP) 300mm

Duplex Production

Time	Kornit Digital Print (Black Shirts)	Screen Print
1 minutes	/	2160 per hour
2 minutes	/	1080 per hour
5 minutes	430 per hour	/
6 minutes	360 per hour	/
8 minutes	270 per hour	/
10 minutes	216 per hour	/

Based on three lines of adult size garments across each belt width. Allowing for one product being placed every 50cm. Production rates will alter depending on product placement and time/temperature settings chosen for individual curing requirements.

Duplex Layout, Dimensions, Supply Positions and Crate Size



Details and specifications are for guide purpose only and the Adelco reserves the right to alter or change specifications as required.

Local distribution:



DUPLEX

ADELCO SCREEN PROCESS LTD.,

HIGHVIEW, HIGH STREET, BORDON, HANTS. GU350AX, ENGLAND.

TEL. +44(0) 1420 488388 FAX. +44(0) 1420 476445 E-mail: sales@adelco.co.uk.

website : www.adelco.co.uk

* All specification correct at time of going to press, Adelco reserve the right to change or amend any detail or specification without notice

DUPLEX



Proud to offer the most Advanced Curing Systems since 1972

DUPLEX

Advanced Curing Systems

The Worlds Highest Production Dryer for Screen & Digital Printing



- The most efficient and consistent dryers in the world
- Double the production in half the footprint
- New Duplex technology enables faster curing times & better feel
- Integrated with proven Eco-Tex technology



WWW.ADELCO.CO.UK

A NEW REVOLUTION IN CURING EFFICIENCY

- Two dryers in one footprint for 20ft of curing in a 10ft oven.
- Over 10,000 CFM of airflow.
- Low electrical consumption - only 7Kw of maximum electric power consumption.
- Cure 6 lines of XL T-Shirts
- Place garment in any position on the belt
- Features tried and tested Eco-Text curing technology
- Integrated waste air hood extraction for clean smoke free working environment
- Precise independent belt speeds automatically set in minutes and seconds on top and bottom belts
- Dual control airflow technology for even heat distribution
- Cure production from three Kornit Avalanche 1000 machines or three automatic screen print machines even with water based ink

Two Independent conveyor Belts

Integral feed and outfeed exhausts remove chemicals and contaminated air from the workplace

Air curtain cooling maintains a cool outer skin

Recycles clean filtered air and Extracts contaminated air

Hi Velocity Jet air on both levels

- Triple insulation with air curtain for the coolest exterior skin
- Reduced energy consumption = lowest running costs
- Duplex dual level curing technology for faster curing and improved print feel with less tackiness
- Adjustable exhaust outlet valve
- Lint filter removable from either side of dryer for clean recycled airflow (No replacement filters required)

- Designed for easy maintenance access
- Siemens touchscreen and PLC controlled
- Run conveyor belts in opposite directions

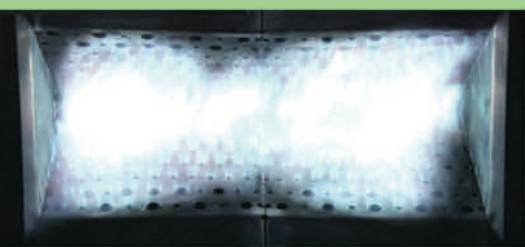
Easy to clean air filters – no replacement filters required

Continuous development of digital printers means higher print speeds than ever before requiring longer dryer ovens or investment in multiple dryers to keep up with higher production throughput. The Duplex is the solution to this issue.

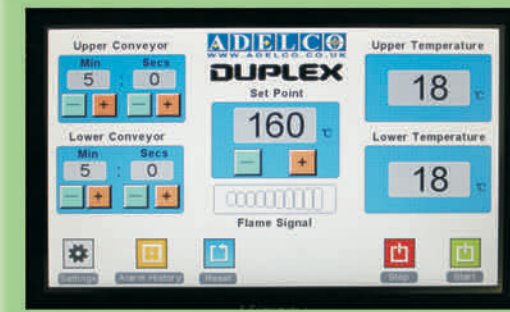
DUPLEX
Technology

Adelco are continually researching and developing the latest methods of curing to improve production speeds, garment feel and reduce running costs. Our philosophy is to exceed our customers' expectations and our new Duplex Technology does just that.

Duplex Technology uses a series of complex airflow convection, extraction and air pressure linked with software systems which causes digital wet on wet prints to vaporize quicker enabling faster curing whilst giving a better finished garment feel and reduced tackiness.



Highly Efficient, Direct Ultra Violet Controlled Burner System.



The Duplex dryer tackles the Industries biggest issues:

CURING SPEED:

It is our concept to minimize dryer length and maximize curing throughput. The Duplex dryer features. TWO independent conveyor belts enabling up to SIX lines of adult size garments and giving you 20ft of curing in a 10ft oven.

PRINT FINISH:

Maximizing throughput on a conventional dryer often means a compromise in the finished print handle on the

garment. The Duplex dryer will give you the best garment feel at the highest production rates in the world due to a new groundbreaking technology that we call "DUPLEX TECHNOLOGY"

OPERATING COST:

Adelco prides it's self on being ECOLOGICALLY FRIENDLY and having the lowest carbon footprint in the WORLD. The Duplex dryer uses a maximum of ONLY 7Kw of electrical consumption coupled with a small gas supply which dramatically reduces the running costs, saving you money.

A NEW REVOLUTION IN CURING EFFICIENCY

- Two dryers in one footprint for 20ft of curing in a 10ft oven.
- Over 10,000 CFM of airflow
- Low electrical consumption - only 7Kw of maximum electric power consumption.
- Cure 6 lines of XL T-Shirts
- Place garment in any position on the belt
- Features tried and tested Eco-Tex curing technology
- Integrated waste air hood extraction for clean smoke free working environment
- Precise independent belt speeds automatically set in minutes and seconds on top and bottom belts
- Dual control airflow technology for even heat distribution
- Cure production from three Kornit Avalanche 1000 machines or three automatic screen print machines even with water based ink

Two Independent conveyor Belts

Integral feed and outfeed exhausts remove chemicals and contaminated air from the workplace

Air curtain cooling maintains a cool outer skin

Recycles clean filtered air and Extracts contaminated air

Hi Velocity Jet air on both levels

- Triple insulation with air curtain for the coolest exterior skin
- Reduced energy consumption = lowest running costs
- Duplex dual level curing technology for faster curing and improved print feel with less tackiness
- Adjustable exhaust outlet valve
- Lint filter removable from either side of dryer for clean recycled airflow (No replacement filters required)

- Designed for easy maintenance access
- Siemens touchscreen and PLC controlled
- Run conveyor belts in opposite directions

Easy to clean air filters — no replacement filters required

Continuous development of digital printers means higher print speeds than ever before requiring longer dryer ovens or investment in multiple dryers to keep up with higher production throughput. The Duplex is the solution to this issue.

DUPLEX
Technology

Adelco are continually researching and developing the latest methods of curing to improve production speeds, garment feel and reduce running costs. Our philosophy is to exceed our customers' expectations and our new Duplex Technology does just that.

Duplex Technology uses a series of complex airflow convection, extraction and air pressure linked with software systems which causes digital wet on wet prints to vaporize quicker enabling faster curing whilst giving a better finished garment feel and reduced tackiness.



Highly Efficient, Direct Ultra Violet Controlled Burner System.



The Duplex dryer tackles the Industries biggest issues:

CURING SPEED:

It is our concept to minimize dryer length and maximize curing throughput. The Duplex dryer features. TWO independent conveyor belts enabling up to SIX lines of adult size garments and giving you 20ft of curing in a 10ft oven.

PRINT FINISH:

Maximizing throughput on a conventional dryer often means a compromise in the finished print handle on the

garment. The Duplex dryer will give you the best garment feel at the highest production rates in the world due to a new groundbreaking technology that we call "DUPLEX TECHNOLOGY"

OPERATING COST:

Adelco prides it's self on being ECOLOGICALLY FRIENDLY and having the lowest carbon footprint in the WORLD. The Duplex dryer uses a maximum of ONLY 7Kw of electrical consumption coupled with a small gas supply which dramatically reduces the running costs, saving you money.