

JET AIR DRYER



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GRAFICA's JET AIR DRYERS designed with various belt widths, fully modular solid steel construction. Very useful for small print runs on hand tables to high speed production on semi automatic, fully automatic and cylinder presses. Accelerated drying through high velocity air, not only heat. Jet Air dryers use large volumes over 15000 cubic meters recirculated air in each module per hour, for special application on request. Reduces electrical consumption as drying can take place at lower temperatures giving economical operation this is also enhanced by double wall construction filled with fiber glass all around the hot air section. Our extensive research and testing has resulted in excellent substrate stability within the dryer. A separate duct is provided to remove solvent laden air. The opening of duct is easily adjustable depending upon the solvent content of the ink being dried. Inlet section of dryer can be extended on request. Air is forced at high pressure through heating elements into the drying hood and then through a grid of punched nozzles. Complete safety and protection system is provided for heaters by circuit breakers. The maximum temperature of a standard Jet Air Dryers is 80° C, higher temperature versions are available upon request. Hood is fitted with large handles with support rods on both ends. The 2.5 meters long high pressure hot air section for high production speed even the cold air section is similar construction to the hot air module to keep the substrate cool after drying. The cold air module is designed to take only fresh air for optimum drying efficiency.

STANDARD FEATURES:

- Modular construction, one 2.5 mtr hot air module & one 2.5 mtr cooling module (extra hot & cooling module on request)
- Compact design
- Heavy duty foundation bolts for leveling of all individual modules accurately
- Complete jet air module with solid steel and double wall construction filled with imported glass wool. Outer body always remains cool to touch
- Anti Static PTFE Teflon coated fiber glass conveyor belt with rubber rollers to avoid belt breakage, hence increases safety of belt
- Conveyor belt drives with imported AC geared motor pre lubricated coupled with imported AC frequency inverter (sensor less vector control inverter to maintain constant torque and constant speed)
- Digital belt speed indicator in M/Min
- Conveyor belt dust cleaning system to avoid dust particles to settle on wet inks
- Re circulating jet air module reduces electrical consumption also reaches the set temperature level faster
- Efficient exhaust system to remove solvent laden air, environment friendly design
- Adjustable duct to remove solvent laden air, depending upon the solvent content of the ink being dried
- Adjustable temperature controller with digital display
- Powerful jet air system with special design of nozzles which increases the drying efficiency of inks
- Maximum efficiency of air with minimum temperature is achieved by using high pressure blowers hence increases the production speeds and minimize stock variation
- Powerful air velocity of 45 M/Sec produces higher turbulence of air helps break apart solvent molecules which dries the inks faster
- All high pressure blowers are mounted with a unique vibration free pads to reduce machine vibrations
- All top hoods are liftable for easy maintenance and servicing
- Adjustable electronic temperature controller with digital display
- Cooling chamber design using 100% ambient temp fresh air
- Maximum energy and curing efficiency design reduces power consumption
- All blower motors are coupled with electronic phase failure and overload protection systems
- Heaters are coupled with miniature circuit breakers for load protection
- Complete control system is protected with earth circuit leakage breakers
- Accurate and durable controls
- Major electrical components are "CE" certified

OPTIONAL:

Extended Conveyor System

TECHNICAL DATA:

| | GF-30 JET AIR | GF-50 JET AIR |
|--|------------------------------------|------------------------------------|
| Curing Width | 30" | 50" |
| Conveyor Width | 32" | 52" |
| Conveyor Height | 35" ~ 36" | 35" ~ 36" |
| Conveyor Speed (Max.) | 50 M/Min | 50 M/Min |
| Temperature (Max.) | 80° C | 80° C |
| Jet Air Module Power | Heaters = 15.0 kW | Heaters = 24.0 kW |
| Consumption | Motor=7.5 kW | Motor=7.5 kW |
| Cool Air Module Power Consumption | Motor=7.5 kW | Motor=7.5 kW |
| Power Supply | 440 V AC / 100 Amps / 3 PH / 50 Hz | 440 V AC / 100 Amps / 3 PH / 50 Hz |
| Overall Dimension | 20.5' (L) x 4.7' (D) x 4.0' (H) | 25.4' (L) x 6.6' (D) x 4.0' (H) |

Technical Data for GF-40 Jet Air available on request

Technical data subject to change without notice

We accept any custom sized orders

GRAFICA FLEXTRONICA

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