

FP64 Plasma System

March
A NORDSON COMPANY

Effective plasma treatment in a cost and space efficient system.

March Plasma Systems' FP64 systems are specifically configured to meet flex panel production requirements. Daily operating expenses, such as the process gases and power consumption, are minimized through unique design concepts. The FP64 system is a cost and space efficient plasma system for innerlayer processes and flexible panel formats.

The FP64 platform is completely self-contained, requiring minimal floor space. The pump, chamber, control electronics, and 13.56 MHz power supply are housed in a single enclosure. Full front access allows for convenient access to all interior components. The pump is positioned on rollers for easy removal.

- Small Footprint
- Horizontal Loading of Flex panels
- Simple, One-Button Operation
- Easy Programming
- Proven, Robust Technology

Cleaning and Surface preparation

The FP64 system is specifically designed to deliver superior performance for flex panel cleaning and surface preparation applications. The efficient use of space saving horizontal electrodes allows for batch loads of 16 panels per cycle. March systems are designed to maximize plasma efficiency through the use of proprietary power matching and control system algorithms.

The FP64 system's fast cycle rates are achieved through an efficient vacuum pumping system and cool running electrodes. The use of Oxygen and/or Argon process gases makes the systems easy to install in virtually any production location.

The intuitive touch screen control panel gives continuous updates on process status. The control system can be password protected at multiple levels to prevent unauthorized recipe modification. This ensures the consistent performance of the FP64 system.

The horizontal electrode shelf configuration makes loading and unloading the FP64 system very easy.

A very significant feature of the FP64 system is the very



March FP64 Plasma System

compact and service friendly design. The system features a very small footprint and is designed for complete service access from the front and rear of the machine only. Multiple systems can be placed side-by-side without any floor space penalty.

Features and Benefits

- Simple operation
- Specific design for cleaning and surface preparation for Flex
- Proprietary electrode design provides maximum treatment performance
- Easy loading and unloading
- Compact system enclosure minimizes footprint
- Lower operational costs with no hazardous waste disposal

Packaging - Processing
Bid on Equipment
1-847-683-7720
www.bid-on-equipment.com

System Specifications	
Enclosure	Powder-coated aluminum Completely houses the process chamber, electronics, pump and generator
Footprint	1118 W x 1956 H x 1194 D (mm) 44 W x 77 H x 47 D (in.)
Chamber	Construction: Aluminum Internal chamber dimensions: 762 W x 762 H x 762 D (mm) 30 W x 30 H x 30 D (in.) Max. working area (per shelf) 22 W x 24 D (in.) Number of available shelves: 16
RF Power	1000 W, solid state 13.56MHz Variable automatic tuning
Gas Control	Up to 2 mass flow controllers
Controller	PLC with touch-screen interface
Pump System	53 CFM with oil mist eliminator Prepared, charged and tested with fluid for oxygen use
Facility Requirements	Power: 200-230 VAC, 3 phase, 30A Purge Gas: 0.25 in. Swagelok compression fitting for 50-80 psig Nitrogen or Clean Dry Air (CDA) Process Gas: 0.25 in. Swagelok compression fitting for 10-15 psig
Options	Two additional mass flow controllers Dry pump system (59 CFM) and dry pump chiller Oil filtration system PlasmaLink software for remote data capture & control N2 Generator (85 PSIG, 5.3 SCFM CDA Req.) 25"W x 29"D x 51"H, 175 lb, 1/4" fittings (female) I/O



- Easy load / unload
- Compact design
- Fully self-contained
- High performance plasma treatment
- Low cost of ownership

Backed by the Experts

March Plasma Systems has a global team of scientists and engineers experienced in the applications of plasma science. We will work closely with you to determine the right system and plasma processes that best fit your specific application requirements. Our applications and customer service departments bring to you 20 years of experience in RF plasmas technology.

March Plasma Systems reserves the right to make design changes to products and components to improve their function. These changes may occur between printings.



Leading Plasma Innovations

March Plasma Systems, Inc. 2470-A Bates Avenue Concord, California 94520 Telephone: 800-326-1151 Facsimile: 925-827-1189