

## New Product Announcement!!

### CPMX6000 Match Pro Automatic Tuning Network

Comdel's CPMX6000 system is engineered with Comdel's unique PROTRAK, a high-speed tuning algorithm that gradually slows the system as it approaches the tuning point, allowing a precise match even in high "Q" loads. This proportional control circuitry illustrates the critical difference between Comdel's Match Pro and other matching networks. The Match Pro adjusts input impedance to 50 Ohms quickly, accurately and dependably—in response to the changes in load characteristics during your process. The CPMX6000 delivers a 75A load current and features automatic and manual modes with local and remote manual control of tuning capacitors, and the ability to preposition capacitors to the optimal plasma ignition point prior to turn on, resulting in quick and reliable tuning.



#### Specifications:

|                           |  |
|---------------------------|--|
| Frequency range:          | Configured to operate at fixed frequencies from 2 to 60MHz   |
| RF Power Range:           | 300W- 6000W  |
| Line input voltage/power: | 100-240VAC; single phase; 50/60 Hz; 24 VDC<br>(other input voltages may be special ordered)<br>100 Watts minimum power required while tuning       |
| VSWR:                     | Typically less than 1.5 to 1 in a 50-Ohm system  |
| Cooling:                  | Forced air or water cooling is employed as dictated by network operating "Q" and power level. Operating ambient temperature range is -10 to +35° C |
| Mounting:                 | The Match Pro unit must be mounted close to the chamber for optimum performance. Custom mounting configurations are accommodated.                  |
| Size:                     | 7"H x 12.75"W x 16"D (198mm x 297mm x 378mm)   |
| Weight:                   | 24 lbs (10.9 kgs)  |