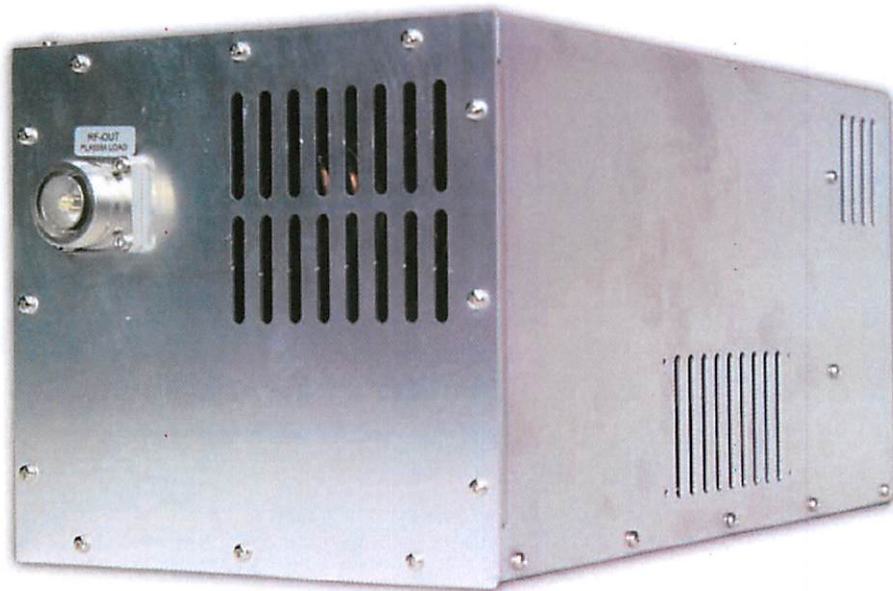


Bdiscom Srl Milan (I)

Your experienced partner
for Plasma power supplies

BDS AMN 750



BDS AMN 750 Auto Matching Unit

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BDISCOM is introducing a new generation of automatic matching network units operating at the standard ISM frequency of 13.56MHz intended for industrial and laboratory use.

Typical application include Sputtering process, PECVD deposition, plasma activation, dielectric heating, laser excitation and more.

- Model **BDS-AMN 750**: Auto Matching based on variable air caps rated for 3000 V | up to 20 A.
Analog user port pin compatible with BDS.HF 200, 300 and 750 W generators.

The **BDS-AMN 750** is a auto matching unit to be used in HF (13.56 MHz) plasma application, transform the complex impedance of the load in a 50 Ohm resistive.

The tuning circuit is L type using high quality variable caps and precision positioning motors. Typical tuning type is less than 2 seconds. Also a TEE configuration for medium impedance load is available.

A wide range of full preset or one channel only preset is possible. It's also possible a full independent operation with only one external switch to recall ignition position is required.

A DC BIAS measurement circuit permits to monitor DC BIAS, scaled of a factor of 100.

Direct interfacing with all Bdiscom RF generators.

3 Channel RF output on one single matching available (vacuum relays) as option.

BDS-AMN 750 auto matching specifications:

Tuning Elements:	high grade air variable capacitors with high current sliding contacts. Option one vacuum capacitor in order to achieve Higher cathode Voltage and current
Power supply:	24 Vdc 800 mA max. (from the BDS HF generators or via an external P.S.)
Analog I/O:	10 V full scale.
Digital I/O:	24 Vdc isolated.
Input RF:	N type female.
Output RF:	7/16 female to be used with RG393 Teflon cable.
Max cathode voltage:	3000 Vac +dc.
Max cathode current:	16 A RF.
User connector:	D15 pin female
Operating modes:	Auto / Preset / Hold
Detector Type:	Passive phase magnitude detector, signal reversing possible.
Dimensions:	190 x 340 x 175 mm

CE MARK - MADE IN ITALY

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