



Intelligent matching through real-time measurement

Features

- Intelligent matching algorithm
- Precise calibration
- Real-time measurement of RF power
- User-friendly process monitoring
- Optimal interaction of the entire system

Benefits

- Perfect process control at all times
- Precise matching to 0 W reflected power
- All parameters at a glance
- Closed loop control
- Single point of control



RF Output	1/3/6 kW	12 kW	24 kW	45 kW	60 kW	90 kW
RF output power CW operation	1, 3, 6 kW	12 kW	24 kW	45 kW	60 kW	90 kW
RF voltage	2 400 V RMS	3 500 V RMS	5 500 V RMS	7 000 VRMS	10 KV RMS	14 000 V RMS
RF current	Up to 90 A RMS	Up to 170 A RMS	170 – 400 A RMS	400 ARMS	300 - 400 A RMS	400 A RMS
RF frequency	0.4 to 60 MHz	0.4 to 60 MHz	0.4 to 13.56	13.56 MHz	4 - 13.56 MHz	4 – 13.56MHz
Sensors	Magnitude / phase detector RF output voltage RF output current DC bias voltage					
	Plasma arc detection Plasma harmonics detection Input detection of other frequencies Phases comparison between multiple matchboxes					
RF input	7/16" or customer specific	1 5/8" EIA, 7/8" EIA 3 1/8"				
RF output	Multi-contact/ customer-specific, at side / bottom	Customer-specific, at side / bottom				

Interfaces	
Digital	SystemPort (TRUMPF generator control), USB-Service, EtherNet, RS232/485
Option	Analog / digital (optional) Profibus (optional) ECAT (optional)

Mains	
Mains voltage	24V DC, 48V DC, 87±264V single phase
Mains frequency	47 Hz / 63 Hz

Operating Conditions		
Cooling medium	Air	Water
Water pressure	--	max. 6 bar
Throughput	--	3.5 – 8.0 l/min Water flow and temperature sensor

Protection class	
	IP 20