

CASE STUDY:

WATER-COOLED POWER SOLUTION FOR PLASMA GENERATION

AT A GLANCE

Requirements

- ✓ Compact design
- ✓ Water cooled power solution
- ✓ Scalable fixed output
- ✓ Power control and adaptability

Benefits

- ✓ Compact high energy solution
- ✓ Programmable design
- ✓ RS485 for output control and monitoring



Upgrade your plasma generation capabilities with Kodiak and experience the power of the future today!



OVERVIEW

Power plasma generators are essential in producing high-intensity plasma, making them the backbone of various industries, including semiconductor manufacturing, photovoltaic production, and flat-screen coating. These cutting-edge power plasma generator solutions are truly groundbreaking, offering unparalleled power scaling capabilities and lightning-fast pulse shaping. But what truly sets them apart is their resilient design that is highly efficient and nearly half the size of their predecessors.

POWER CHALLENGES

In our quest to achieve the necessary power levels and pulsing requirements for the power plasma generator, we knew we needed a solution that was both scalable and adaptable. This meant finding a power supply that seamlessly integrated into the system, making installation effortless. Reliability was paramount, so we utilized stainless steel cooling tubes, scalable fixed outputs, and output control. This combination ensured precise and lightning-fast pulse shaping and top-notch reliability that our customers can trust.

ASTRODYNE TDI'S SOLUTION

Astrodyne TDI's groundbreaking liquid-cooled power supply, is revolutionizing the world of power plasma generation. This compact yet powerful solution delivers an impressive 6kW of power, making it the ideal choice for high-intensity plasma production across various industries. These liquid-cooled power supplies are fully programmable with a wide range of configurable DC outputs and RS485 for seamless output control and monitoring, boasting exceptional operating efficiency, unrivaled reliability, and lightning-fast pulse-shaping capabilities. With the added advantage of stainless-steel coolant tubes, this innovative design ensures flawless integration and enhanced dependability, providing you with the peace of mind to handle even the most demanding power requirements.