

Fiber optic welding head



Overview

A fiber welding head is an innovative device used in optics and telecommunication. Engineered for harsh production welding applications with a fiber-coupled laser, FiberWELD ® is a robust head with simplified plumbing of coolant and gases. Per the end user's processing requirements. Get consistently superior welds with this ultra-reliable and highly modular processing head, compatible with any high-power, fiber-coupled laser up to 20 kW. Basic industrial modular optics (BIMO) are a versatile processing head system which can be configured in numerous ways to reliably perform. Designed to complement the industry's broadest range of industrial fiber lasers, IPG laser welding heads offer optimal performance across a variety of welding applications. has dedicated a decade to in-depth research in four core technology ecosystems: laser head welding and cutting hardware, optical lenses, system software, and welding robots. Since 2006, Shenzhen Worthing Technology Co.

Article Content

SUP25A Fiber Optic Swing Laser Welding Head, China

Automatic laser welding head Home > Products > Laser welding components > Automatic laser welding head

High-Power Fiber Laser Heads & Optics Solutions

WSX offers cutting-edge fiber laser heads, optics lenses, and welding solutions. Explore our innovative laser technology for aerospace, automotive, and

SUP23T Fiber Laser Handheld Welding Head 4 in 1

The SUP23T Four-in-One Handheld Welding Head is designed for laser welding, non-contact cleaning, seam cleaning, and cutting. It features a handheld laser

FiberWELD®

FiberWELD ® Engineered for harsh production welding applications with a fiber-coupled laser, FiberWELD ® is a robust head with simplified plumbing of coolant

Double Wobble 2000W 4-In-1 Laser Welding Machine, Handheld Fiber

Double Wobble 2000W 4-In-1 Laser Welding Machine, Handheld Fiber Laser Welder Cutter Rust Removal Cleaner for Metal (0.2-6mm), Continuous Work & Easy to Operate, Auto Wire

Fiber Laser Welding: A Comprehensive Guide - OMTech

A fiber cable carries the laser beam to the laser head, which then focuses the beam onto the welding field. The resultant heat causes the metal to

Fiber Laser Welding: Advantages, Systems and

Fiber laser welding generates better welding results than resistance welding. As a non-contact process, it produces very small and precise welds

Laser Welding Heads

Designed to complement the industry's broadest range of industrial fiber lasers, IPG laser welding heads offer optimal performance across a variety of welding applications. A modular design enables

19% Discount 1000W Manual Optic Robotic Stainless Steel Channel

19% Discount 1000W Manual Optic Robotic Stainless Steel Channel Letter Fiber Handheld Portable Laser Welding Machine for Metal

3kW Fiber Laser Welding Head | Metal Welding Head | OSPRI

The fiber laser welding head with power ratings of up to 3kW is engineered with a compact, lightweight design at just 2.2 kg, making it ideal for precision welding applications in industries such as sheet

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Fiber Laser Welding: Advantages, Systems and

Our laser experts know how to address these challenges and can help you. Fiber Laser Welding Systems A fiber laser welding system with the

BIMO Laser Processing Heads | Coherent

Build the exact welding head you need from this modular system offering numerous options for collimating and focusing optics, vision, shield gas delivery, and more.

Fiber Laser Welding: A Comprehensive Guide - OMTech

Master fiber laser welding and OMTech fiber welder for welding excellence in this guide. Explore science, processes, and applications.

Chinese Factory 1500W 2000W Handheld 3-in-1 Iron Industrial Grade ...

Usage welding place of origin Shandong, China brand name UNITEK dimensions 710*380*640 (mm) pulse width 0.05-0.6 single pulse energy 0.3-150J Weight 180 Model Fiber laser welding machine

FiberWELD® HR

FiberWELD ® HR Engineered for high duty cycle production welding applications with medium to high-power, fiber-delivered lasers, FiberWELD ® HR is a robust

Processing Heads | Coherent

Coherent processing heads integrate precision focusing optics with a galvanometer scanning module to improve and extend welding and

Boost Manufacturing with Fiber Laser Welding System

A fibre laser welding system is a state-of-the-art industrial instrument that fuses metals with unparalleled speed and precision using a focused beam of fiber-optic laser light. It provides high

What is a Fiber Welding Head and How Does it Work

A Fiber Welding Head is a vital tool used in the realm of fiber optics, designed to join optical fibers efficiently. It operates on the principles of fiber welding technology, which utilizes

Fiber laser welding head

Find your fiber laser welding head easily amongst the 6 products from the leading brands (IPG Photonics, Laser Mechanisms, ...) on DirectIndustry, the industry

Contact Us

For more information, pricing, or custom solutions, please contact us:

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