

CERAMICS LASER HEAD

厦门英诺华新材料有限公司

XIAMEN INNOVACERA ADVANCED MATERIALS CO.,LTD

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BERYLLIUM OXIDE CERAMIC

Introduction

The laser cutting nozzle can assist the gas to eject rapidly, which can effectively prevent the debris from falling upward and thus protect the focusing mirror. At the same time, it can control the diffusion area and size of the gas, thus affecting the quality of the laser cutting machine. At the same time the choice of the nozzle aperture size will vary according to the thickness of the cutting material. The single nozzle is used for melting cutting, that is, nitrogen is used as auxiliary gas to cut stainless steel and aluminum plate. Double nozzles are commonly used for cutting oxygen, which uses oxygen as an auxiliary gas for cutting carbon steel.

INNOVACERA CERAMIC LASER HEAD

Dimension Details

Big Model



Small Model



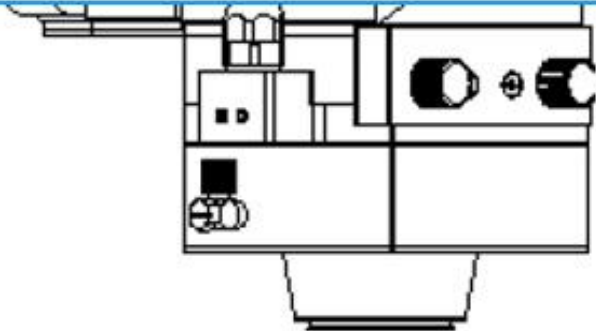
Applications

Precitec/WSX

Raytools



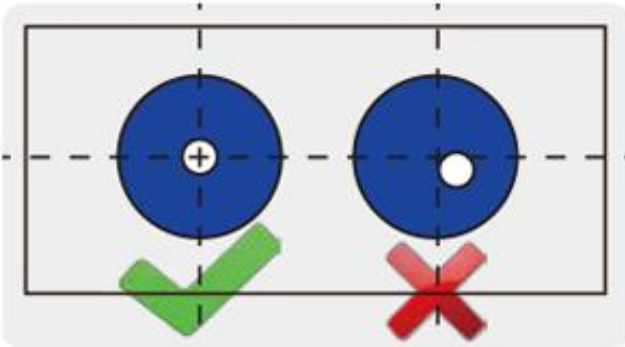
Replacement Instruction



The diagram shows a top-down view of a machine head with a nozzle assembly. The nozzle assembly is shown in a disassembled state, with the following components from top to bottom: a thin disc, a wider disc, a cylindrical nozzle, and a larger cylindrical base. To the left of the nozzle assembly, there is a stack of three circular pins, with the word "Pin" written below them. Below the pins is an icon of a hand with a green checkmark. To the right of the nozzle assembly is a yellow nozzle and a green circular arrow icon.

Pin

Power **Cooling Gas** **Cutting Gas** **Tools**



The diagram shows two nozzle configurations. The left configuration is a blue circle with a white crosshair and a white plus sign in the center, marked with a green checkmark. The right configuration is a blue circle with a white crosshair and a white circle in the center, marked with a red X.

Caution:
After maintenance of ceramics/nozzles,
must do the calibration again

Cutting Head Structure

Collimating/Focusing Lens



Protective Lens



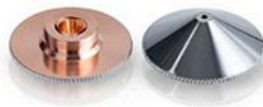
Lens Gasket



Ceramic Ring



Nozzle



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