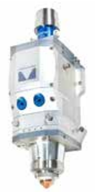
HAN'S LASER CUTTING HEADS

Smart Cutting Heads for 2D Laser Cutting





PRODUCTS / MODELS	FCH20	AFCH20	AFCH24	HAFCH40/60	HAFCH80	PROCUTTER 2.0
Main features	Mannual focus adjustment	Auto focus adjustment	Auto focus adjustment + Economical	Auto focus adjustment + Intelligent Monitoring	Auto focus adjustment + Intelligent Monitoring + Cavity Cooling Design	Integrated sensor, full automatic real-time control of laser power
Max. laser power	≤2.5kw	≤3kw	≤3kw	≤4kw / ≤6kw	≤8kw	12KW - 20KW
Focal length	150mm	125mm	125mm	150mm / 200mm	200mm	100mm – 200mm
Gross weight	3.7kg	4.1kg	4.1 kg	7.4 kg	7.4 kg	4.9 kg

Warnings: 1. The focal length of the collimation lens is 100 mm. The cutting gas pressure is 25 bar, for all of the above products
2. Provided data are for reference only, innovation and continuous development can lead to change them.

Smart Cutting Heads for 2D Laser Cutting

The head is a functional key component in the laser cutting machine, since it is the last connection to the power fiber, which is extremely sensitive to the processing environment.

Since 2009, the Functional Components Center of Han's Laser Smart Equipment Group has pursued its innovation process and developed a complete range of processing heads for 2D laser cutting. To date, Han's Laser is able to provide the best solution compared to other competitors on the market, thanks to the following characteristics of its products:

Double Protection

To ensure that the fiber is 100% safe during the cutting phase, the mechanical structure of all cutting heads is optimized by adding an extra upper protective lens. With this new design, the collimation lens is also under double protection when connecting and disconnecting the QBH connector, thus ensuring lower maintenance costs and longer life of the cutting heads.

Optimized structure of the air flow

In order to improve the cutting quality by leading it to a higher and more reliable level, an optimized airflow structure is also used in our cutting heads to ensure a constant cutting surface and a stable cutting process.

Smart Monitoring Function

No idea what is happening inside the cutting head? With the intelligent monitoring function, temperature, humidity and contamination are all under control.

This feature is extremely important when we talk about an automated processing that should work 24 hours a day safely. The intelligent monitoring function also gives the piercing process a huge time

advantage, changing Rapid Piercing into reality.

New Cavity Cooling Design

When we talk about high powers such as 8 Kw, 12 Kw, 15 Kw or even 20 Kw without an advanced cooling system inside the structure, the cutting head would risk burning. Thanks to the new cavity cooling design Han's Laser, already at the beginning of 2019, produces and places on the market a 20Kw fiber laser cutting machine. A "world première".