

LASER CUTTING HEAD MODEL : BLT642H



BLT 6 Series smart cutters are especially developed for ultra-high power laser equipment (max of 40kw). Brand new beam path design and optimized optical lens bring you great performance with stable cutting, simple installation and setup, and double dust prevention. The Smart Piercing and Auto Recut features, meeting the highly demanding standard of air as well as N2 high-power cutting, considerably improve efficiency and yield.

ADVANTAGES:

- Easy to Maintain, Low Cost to Repair



Ready-to-use optics drawer, lens changed in 5mins.



Protective screws keep cutting head from damage.

No time wasting on Depot Repair

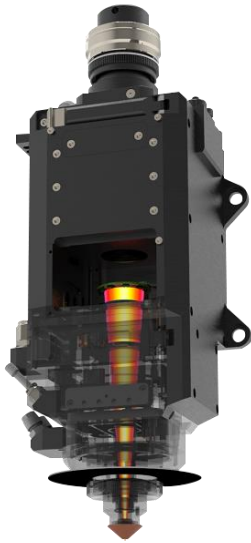
- Smart and Safe Processing



Spring Energized Seal Test

Monitor the gas pressure of the first and second lower protective lens to give early warning.

- **Protective Lens Monitor**



Upgraded algorithm integrated with sensor, effectively prevents protective lens from cracks caused by pollution.

- **Stable and Efficient Cutting**

- Auto Recut**

Real-time in-head sensor realizes stable cutting performance by detecting paths not cut through to give an automatic recut.

- **Smart Piercing**

Real-time monitoring of piercing process make it possible to start cutting right after piercing. No more waiting, efficiency significantly improved.

- **Slag-free Cutting**

Monitor the laser beam to timely turn it off to realize a slag-free cutting with no gap.

RELATED PARAMETERS :

Cutter Model	: BLT642H
Power Level	: ≤15 kW
Fiber Interface	: Q+, QD, QBH, ADD
Focal Distance	: 200
Size	: 428.3x181 mm
Weight	: 9.5 kg
Auto Focus Range	: ±50 mm
Laser Wavelength	: 1030-1090 nm
Max Gas Pressure	: 25 bar