

FIBER LASER TUBE CUTTING MACHINE

Industry Applications



Automotive Manufacturing



Display Shelf



Engineering Machinery



Fire Pipeline



Fitness Equipment



Lighting Lamps



Medical Bed



Metal Furniture



Metal Kitchen Cabinets



Pipe & Tube Products



Steel Structure



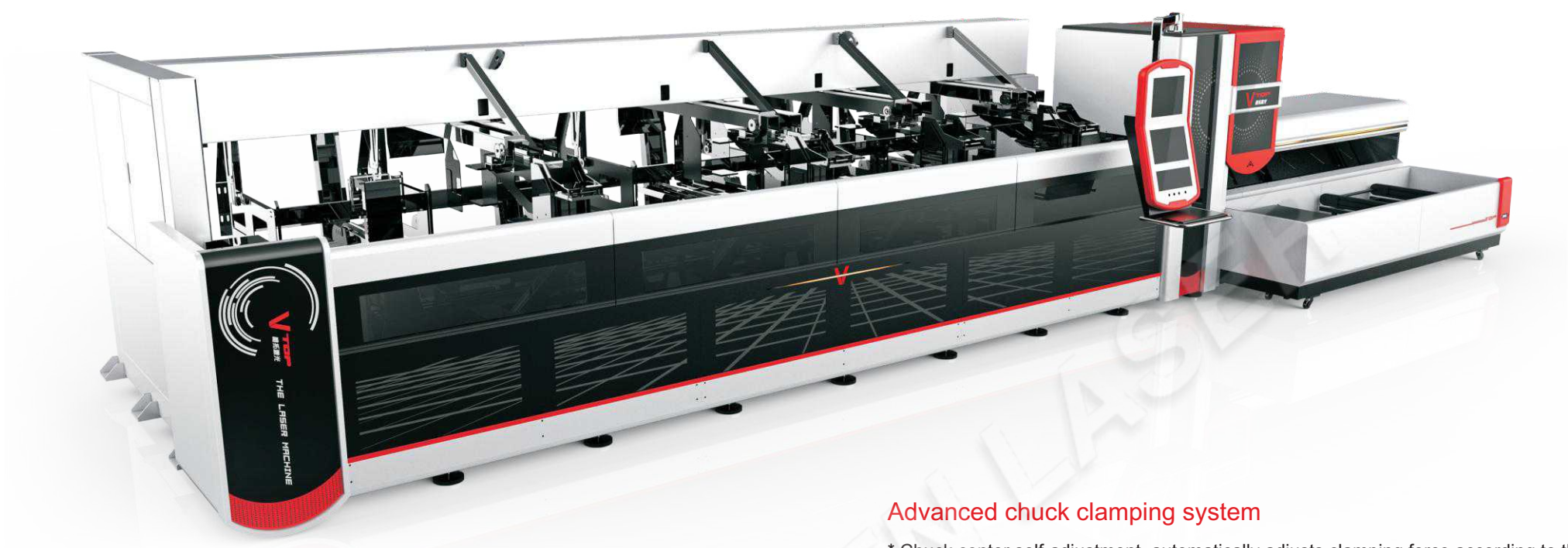
Lift Tables and Chairs



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FIBER LASER TUBE CUTTING MACHINE



TECHNICAL SPEC

Model		P2060/P3080/P2060A/P3080A
Fiber laser source		1000W-6000W
Tube length		6m/8m
Tube size		20-200mm/20-300mm
Bundle size		800*800*6000mm/800*800*8000mm
Rotating speed		120rpm
Position accuracy		±0.05mm
Repeat position accuracy		±0.03mm
Position speed		90m/min
Acceleration		1.2g
Graphic format		SAT/STEP/IGES
Electric power supply		AC380V 3P 50/60Hz

Advanced chuck clamping system

- * Chuck center self-adjustment, automatically adjusts clamping force according to the profile specifications and ensures no damage to thin pipe
- * Dual motive chucks are compatible with a variety of pipe without adjusting jaws
- * Long stroke clamp, if the pipe diameter is ranging within 100mm, there is no need to adjust the clamp

Corner fast cutting system

- * Corner fast response, improves cutting efficiency greatly

Multi-axis linkage

- * Multi-axis (feeding axis, chuck rotation axis and the laser cutting head) linkage when the laser cutting head is moving

Automatic collecting device

- * The floating support device collects the finished pipes automatically
- * The floating support is controlled by the servo motor and it can adjust the support point according to the pipe diameter quickly
- * The floating panel support will hold the large diameter pipe tightly

AUTOMATIC BUNDLE LOADER

Bundle loading	Automatic material separating	Automatic material separating	Robot material loading	Automatic cutting
* Round pipe, rectangular pipe and other pipes can be fully automated loading, without human intervention. Other shapes pipe can be semi-automatic feeding artificially.				
* Max Loading Bundle 800*800mm				
* Max Loading Bundle Weight 2500kg				
* The loading belt and the supporter are easy for dismantle				
* The integrated design of the feeding finger main body and the chain transport link is easy for debugging and transporting.				
* The pneumatic components used in the laser cutting system must be AirTAC or other high-end brands; the PLC control, sensors and others must be Omron, Schneider and other well-known brands; all these high end components ensure the system stability and meet the export standards.				