TL3 PRO

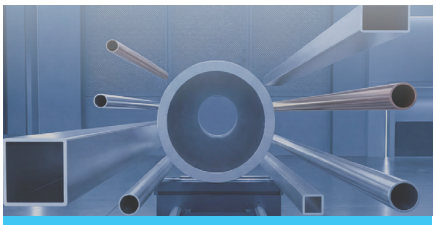
Full-Floating 4+1 High-Speed Heavy-Duty Laser Tube Cutting Machine

INDUSTRY FIRST: THE 4+1 HIGH-SPEED HEAVY-DUTY TUBE CUTTER KING

ONE TUBE CUTTER FOR ALL TUBE SIZES



Full-floating four chucks automatically adapt to various working conditions — heavy tubes, small tubes, zero-tail cutting and more.
Meets multi-spec, multi-batch orders. One team, one TL3 PRO — job done.



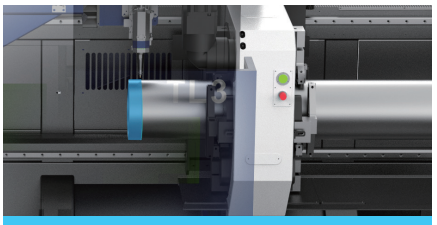
ϕ20-360mm

Tube Processing Range
Full-Size Tube Processing Solutions



1600kg

Max Loading Capacity
Meets various Processing Needs



4+1

Full-Floating Twin Chucks
Strong for Large Tubes, Stable for Small Tubes

Some features shown are optional.Please consult our sales team for specific configurations and pricing.

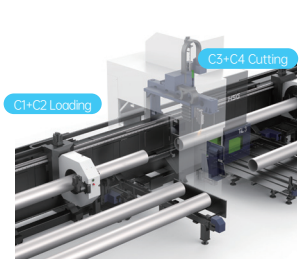
BUILDING ULTIMATE PRO PERFORMANCE

Smarter Cutting

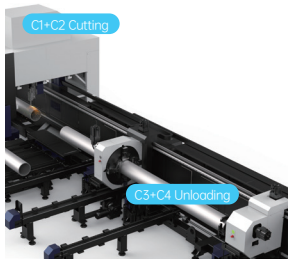
25.67%+ Loading Efficiency Boost

SmartFull-Floating Four-Chuck Coordination · Parallel Processing, Unmatched Efficiency.

Break the "Load-Cut-Unload" Serial Process: Simultaneous loading/ unloading during cutting — no machine idle time, always in production.



Simultaneous cutting and loading



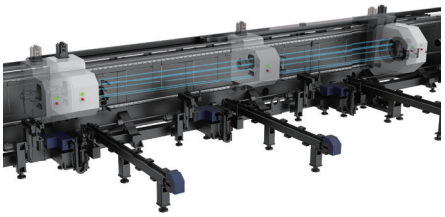
Simultaneous cutting and unloading

Speed Cutting

35.45%+ Cutting Efficiency Boost

Maximum Performance, Efficiency Leap

Faster linkage speed × Faster chuck rotation × BC New Algorithm = High-dynamic performance, drastically cutting processing time. 35.45% efficiency improvement over previous generation.



80 rpm
Max Chuck Speed

100 m/min
Max Chuck Speed

1.0 G
Max Acceleration

Stable Cutting

1600kg Max Loading Capacity

Rock-Solid from Hardware to Process

Heavy-duty dual-rail drive structure, high-rigidity stress-relief annealed bed, low center of gravity. Combined with heavy-duty linear guides and rack, forms a stable 3D dual-rail transmission. Safe and stable for heavy tube lifting and operation.

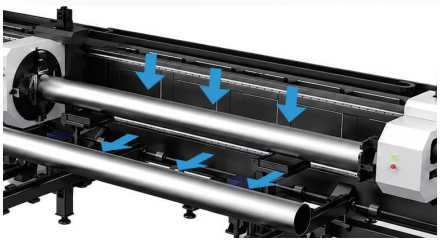


Safer Operation

4+5 Follow-up Loading & Unloading Support Device

Prioritize both safety and efficiency

4 loading + 5 unloading follow-up supports provide full-course stable support. Lower center of gravity and receiving-style unloading effectively prevent tube rolling. Safer, less labor-intensive, more cost-effective. Reduces human dependency, protects operator safety.



More Cost-Effective

-35% Total Cost Reduction

Save Time·Save Labor·Save Space·High ROI

Tube Spec: 200x200x5mm, 12m full-length (Yields 2 parts of 5950mm)
Daily Volume: 70 tubes
Annual Working Days: 300 days

	High-speed Heavy-duty Machine	Standard Machine	Cost Comparison
Processing Time	2471h	3825.5h	Save 1354.5 hrs/year
Labor Cost	12028 USD	18625 USD	Save about 11512 USD/Year
Eletricity Cost	20957 USD	32469 USD	Save about 11512 USD/Year
Gas Cost	6021 USD	9312 USD	Save about 3291 USD/Year
Total Cost	39006 USD	60406 USD	Save about 21400 USD/Year

PERFORMANCE PARAMETERS

Model	TL3 PRO
Power	6-20kW
Chuck Clamping Range	Round Tube:ϕ20mm-360mm/Square Tube:□20x20-□360x360mm
Max Loading Capacity (Single)	1600kg
Max Linkage Speed	100m/min
Max Acceleration	1G
Bevel Cutting	Optional

*Data is sourced from HSG laboratory tests and actual parameters may vary depending on processing conditions.
*Products shown may include optional accessories; please contact our sales team for detailed configurations and pricing.
*Information and images are for reference only. Final specifications and terms are subject to the contract, and we reserve the right to make changes without prior notice.