R2 PRO

All New High-speed Tube Cutting Machine

BUILT FOR SPEED UPGRADED TO PRO!

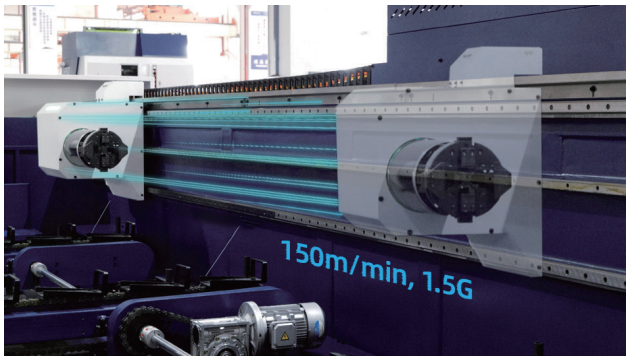


Note: Features shown (safety guarding, loader, unloader, full enclosure) are available as options.

High-speed Loading	Low-Pass Filter	Processing Accuracy	Max. Linkage Speed
10* Seconds	7 Hz	±0.1 mm	150 m/min
(Zero-tail Cutting Required)		(Extruded Tubes)	

PRODUCT OVERVIEW

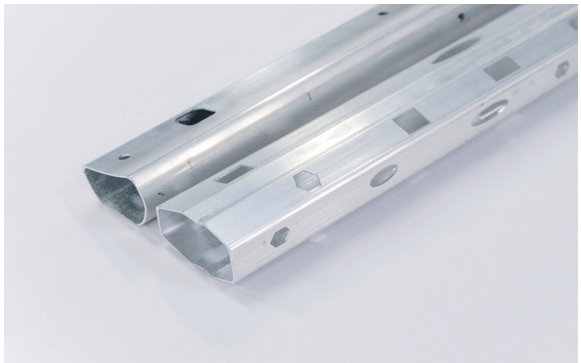
Shattering Efficiency Limits for Medium Tubes



Powered by a 140 r/min chuck speed, 150 m/min linkage speed, and 1.5G acceleration, this system offers exceptional motion performance to your production line. It delivers high-speed cutting capabilities comparable to specialized small-tube cutting machines, improving efficiency by 25% and eliminating production bottleneck.

TYPICAL PROCESSING

Ultimate Precision Control: Accuracy Even on Irregular Tubes

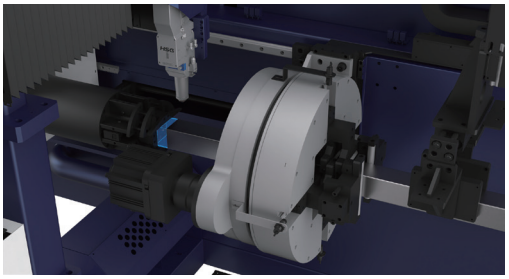


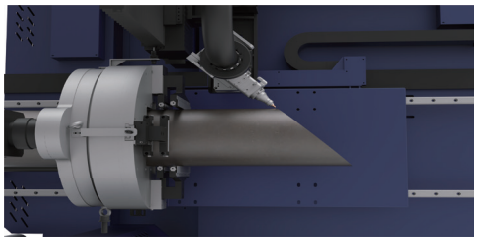
Equipped with Dual-Scan dynamic correction (optional), this system tracks tube contours in real-time and automatically adjusts the cutting path. This eliminates consistency issues with irregular and roll-formed tubes, increasing the qualification rate from 70% to over 99%. Whether cutting extruded tubes (±0.1mm) or irregular tubes (±0.2mm), it ensures consistent stability even during high-speed operations.

SAVE YOUR COST

±45° Bevel Cutting (Optional)

R2 PRO offers flexible cutting within a ±45° bevel range, enabling precise joint preparation. Minimizing extra processing and helping you save time and labor.





SAVE YOUR COST

Minimal Waste, Maximum Power: Short Tailings Cutting(Optional)

Optimized nesting algorithms maximize remnant utilization and minimize raw material waste. This directly reduces your cost-per-part, ensuring every inch of your tube inventory generates value.

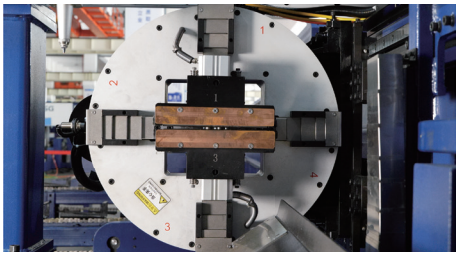


SAVE YOUR TIME

WindTech-Loading System (Optional)

Combined with the Zero-remnant Cutting Function, the multi-tube loading system works seamlessly with the WindTech-Loading System.
It significantly saves time and enhances overall efficiency.

- Processing Capacity:
ϕ20-220mm (Round tube) / Side length 20-220mm(Rectangular tube)
- Tube length range:
4000mm-6500mm(R2 PRO) / 6000mm-9000mm(R2-90 PRO)
- Maxi single tube weight : 300kg



SAVE YOUR COST

Dual Anti-burn Protection Structure

This system is equipped with a copper anti-burn structure and a stainless steel anti-burn dustproof cover, making it heat-resistant and extended the service life. Compared with standard chucks, it offers more stable performance and lower maintenance costs.

TECHNICAL PARAMETERS

Model	R2 Pro	R2-90 Pro
Power	3-6kW	3-6kW
Cutting Capacity of Round Tube / Square Tube	ϕ12mm-240mm / □12×12-□240×240mm	ϕ12mm-240mm / □12×12-□240×240mm
Low-pass Filter	7Hz	7Hz
Max. Acceleration	1.5G	1.5G
Max. Linkage Speed	150m/min	150m/min
Max. Rotation Speed	140r/min	140r/min
The Range of Tube Material	1000-6500mm	1000-9000mm
Remnant Length	Straight cut: ⩾90mm(Single-chuck clamping mode) / ⩾260mm(Dual-chuck clamping mode) Beveling: 45° near end: ⩾ 280mm; straight cut: ⩾ 460 mm; 45° far end: ⩾ 670 mm	
Remnant Length (Equipped with Dual-Scan dynamic correction)	Straight cut: ⩾130mm(Single-chuck clamping mode) ⩾300mm(Dual-chuck clamping mode)	

*Data is sourced from HSG laboratory tests. Actual parameters may vary based on processing conditions. Please refer to the actual usage.
Product images shown include all optional features. Please consult our sales team for specific configurations and pricing.