

## WBM-V2 Technical Specifications

Item	Parameter
Power Supply	AC 220V, 50Hz
Power Consumption	≤1200W
Air Source	0.6MPa Dry and Clean Air
Overall Dimensions	335mm x 800mm x 1650mm
Weight	Approx. 100kg
Maximum Feed Length	220mm
Feed Speed	120mm/s
Feed Accuracy	±0.05mm
Bending Speed	≤200°/s
Bending Repeatability	±0.5°
Compatible Wire Diameter	0.5–1.2mm



**RxDent-D130**  
**Resin 3D Printer**  
Intelligent Denture Base Printing for Digital Orthodontics.

RITON ADDITIVE TECHNOLOGY CO., LTD.

☎ +86-20-81509265

☎ +86-20-81509362

✉ marketing@riton3d.com

🌐 www.riton3d.com

📍 Building B, Hainan Industrial Zone, Huadi Avenue South,  
Liwan District, Guangzhou



**riton** Digital Dental  
Confident Smile

# Precision Bending Advanced Intelligence

Automatic Orthodontic Steel Wire Bending Machine · **WBM-V2**



Digital Orthodontic Solutions

## Core Highlights

### High Precision

Feeding accuracy  $\pm 0.05\text{mm}$ , Bending Repeatability  $\pm 0.5^\circ$ , ensuring every archwire is formed accurately.



### High Efficiency

Fully automated operation reduces bending time by 70%, enabling faster batch production.



### Intelligent

AI path optimization + 3D simulation preview + automatic error correction for one-click complex designs.



### Digitalized

Full-process data tracking and cloud storage support multi-platform collaboration between doctors and technicians.



### Compatibility

Built-in activator template library for quick and easy access.



### User-Friendly

Graphical interface with smart guidance enables beginners to master operation within 3 days.



## Newly Upgraded



More flexible bending movements with enhanced arrowhead clasp precision.



More compact structure and an enhanced fit of the appliance.



Improved patient comfort for easier wear.



About 30% reduction in deformation for less fatigue and enhanced durability.



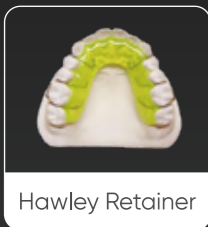
Over 30% shorter clinical adjustment time.



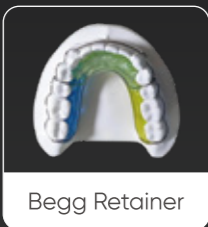
Broader clinical applications.



## Samples Display



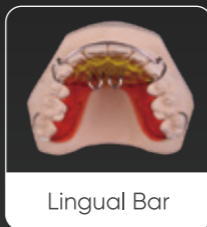
Hawley Retainer



Begg Retainer



Lingual Arch



Lingual Bar



Transpalatal Expander TPA



Inclined Plane Appliance

## Performance Comparison

Item	Riton Digital Solution	Manual Bending
Time Cost	<15 minutes per device, supports batch processing, efficiency increased by 50%+.	20-30 minutes per device, low efficiency.
Labor Cost	New operators can become proficient within 3 days, reduces labor input by 70%.	Heavily reliant on skilled technicians, long training cycle, high labor costs.
Product Consistency	Repetition error $\leq \pm 5\%$ , ensures highly consistent products.	Significant manual errors, inability to guarantee precision in repeated bending.
Design Method	Integrated CAD/CAM with AI optimization, 3D simulation, What-You-See-Is-What-You-Get (WYSIWYG).	Relies on experience, impossible to verify designs, high rework rate.
Doctor-Patient Communication	3D visual treatment plan, intuitive outcome presentation, enhances trust and communication efficiency.	Relies on verbal descriptions or 2D sketches, limited patient understanding.

## Workflow Riton Baseplate Design Module: From Design to Manufacturing. One Solution.

