

ORTHGUIDE | Crystal Ni-Ti™ Magic Wire

A Breakthrough Innovation in Orthodontic Archwires · Meeting Full-cycle Treatment Needs

01 Redefining Archwire Standards



Comfort Twist Wire
Redefines initial alignment archwires standards
7-strand NiTi fine-wire braiding technology
Enhances flexibility · Reduces initial alignment pain



Crystal NiTi Magic Wire
Redefines therapeutic archwires elasticity standards
Cold-pressed forming technology
Reduced force decay ·
Improves archwire rebound efficiency



Crystal Stainless Steel Wire
Redefines archwire surface finish standards
Upgraded polishing technology
Reduces friction between brackets and archwire

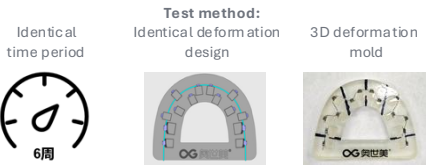
02 Product Specifications Clinical Application Benefits

Wire Specification	Applicable Stage	Core Properties	Clinical Value
0.016 Round wire	Initial alignment	Twist wire — Soft with super-elastic recoil	Gentle initial activation Reduces pain & discomfort Patient-friendly
0.014 Round wire	Refined alignment	Magic wire — Cold-rolling anti-elastic technology	Sustained elastic force High stability
0.016 × 0.022 Rectangular wire	Mid-stage treatment	Magic wire — Balance of resilience & elasticity	Reduces force decay issues
0.018 × 0.025 Rectangular wire	Deep refinement	Magic wire — High resilience	Sustained precise torque control Outstanding stability
0.019 × 0.025 Rectangular wire	Precision finishing	Magic wire + Stainless steel — Optimized surface finish	Rigidity with elasticity balance Assists in finalizing tooth position, alignment, and detailing

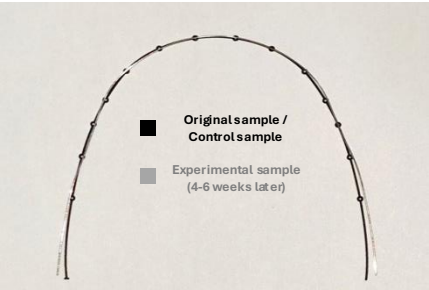
Item	Crystal NiTi Wire	Traditional Steel Wire	Optimization
Wire changes per case	2-3 times	4-5 times	1. Fewer wire changes 2. Reduces material cost

03 Archwire Performance: Aqueous Environment Comparative Test Results

Conclusion: Under identical deformation settings and environmental conditions, **ORTHGUIDE Crystal NiTi wire** shows minimal shape deformation, meeting the clinical requirement for high-elastic, anti-deformation performance.



Result: NiTi – Magic wire – Damon archwire shape deformation is extremely minimal



Control groups consist of mainstream commercial CuNiTi / NiTi archwires — all exhibited varying degrees of shape deformation



Specific treatment plans, follow-up intervals, and duration should be evaluated by a dentist based on individual patient conditions.