



TANZO®

Premium Heat Activated Arch Wire

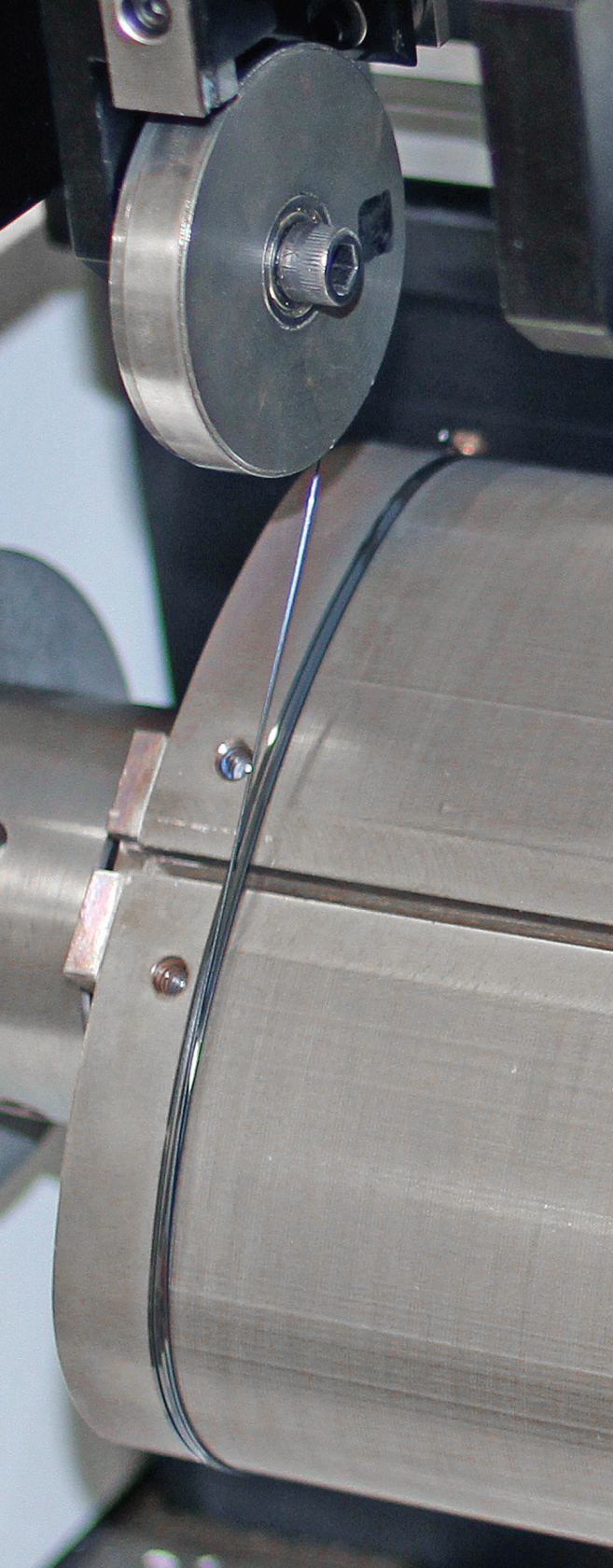
AO  
AMERICAN  
ORTHODONTICS



**TANZO**  
Premium Heat Activated Arch Wire

American Orthodontics is dedicated to continuous improvement, and delivers on this commitment by manufacturing our Tanzo® Premium Heat Activated Arch wire at our state-of-the-art facility in Sheboygan, Wisconsin USA.

- Made of Copper Nickel Titanium
- Highly automated process allows for maximum efficiency
- 100% inspection
- Only proprietary, premium Japanese raw material used
- Hundreds of configurations available to meet your arch form and treatment needs
- Thoroughly tested to ensure consistent forces between lots



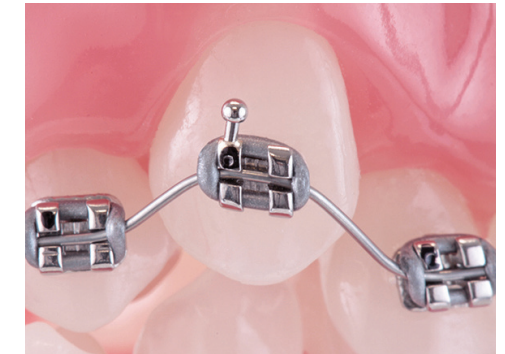
## Quality Manufacturing

Manufacturing Tanzo wire in our facility allows the process to be continually evaluated for quality, ensuring consistency of the finished product.

*AO's long-tenured manufacturing associates take great pride in crafting our world-class products, making sure only those of the highest quality end up in your hands.*

## Resists Permanent Deformation

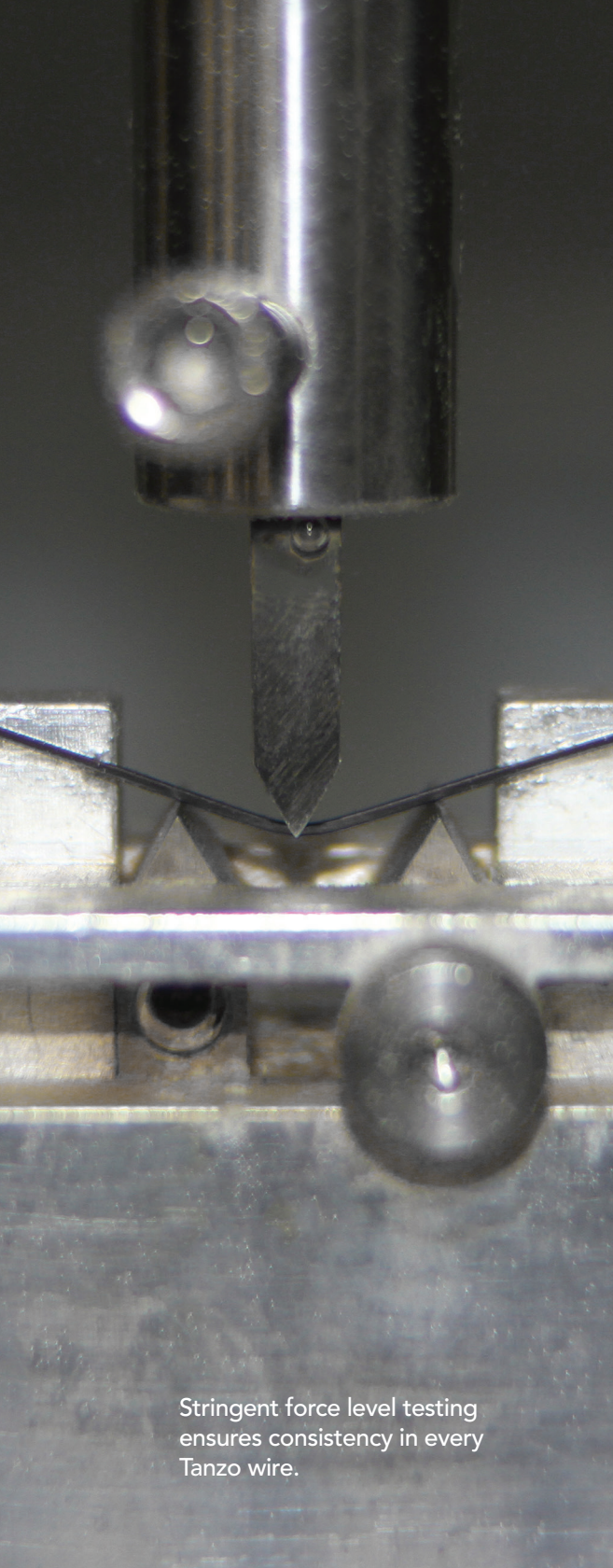
Tanzo's flexibility and resistance to permanent deformation allow the wires to work in the mouth for longer intervals, which may result in fewer wire changes and lower wire inventories.



## Effective Loading / Unloading Forces

Tanzo provides a moderate loading force with a responsiveness to chilling, easing engagement into brackets. Unloading forces have been engineered for predictable consistency and excellent patient comfort.

TARGET UNLOADING FORCE IN GRAMS AT 1.5 mm OF DEFLECTION		
	MID FORCE	LOW FORCE
.013	88	80
.014	95	83
.016	117	101
.018	164	142
.014 x .025	193	158
.016 x .016	158	136
.016 x .022	294	230
.016 x .025	295	250
.017 x .025	302	255
.018 x .018	181	158
.018 x .025	306	282
.019 x .025	377	328
.020 x .020	342	295
.021 x .025	416	369



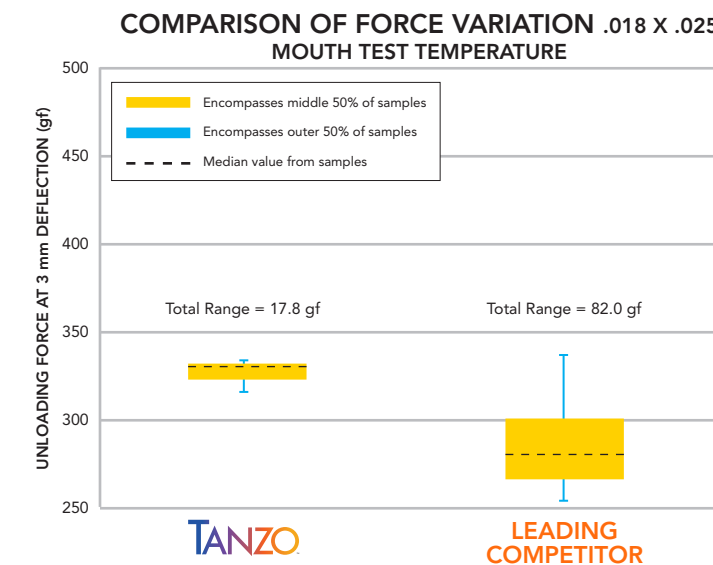
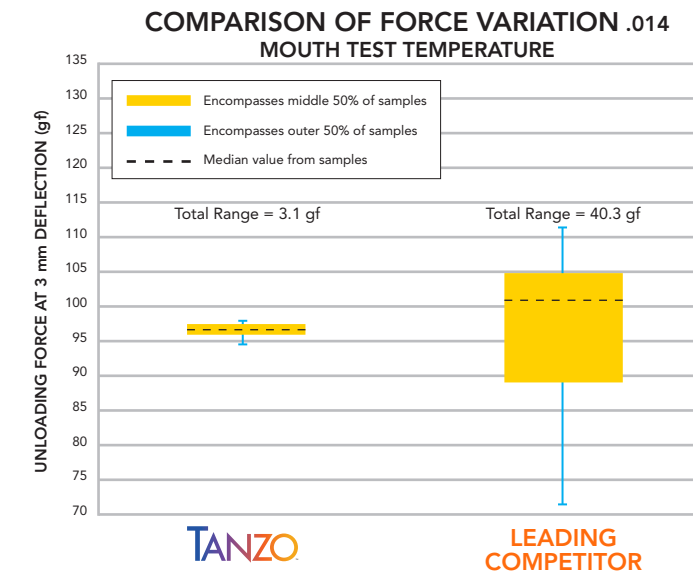
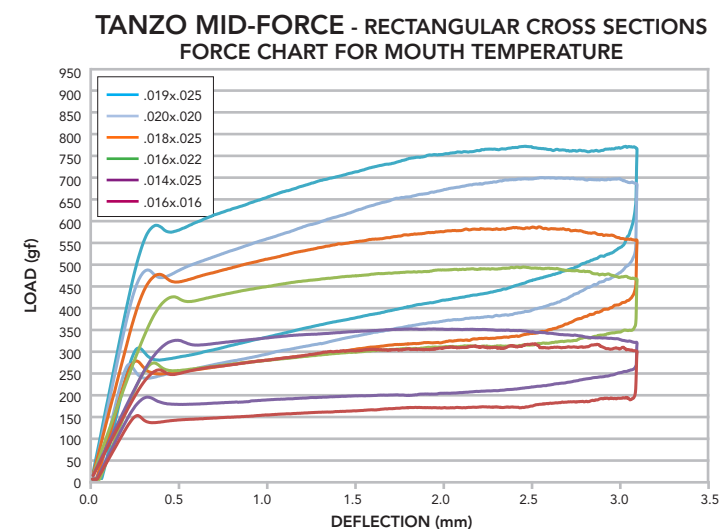
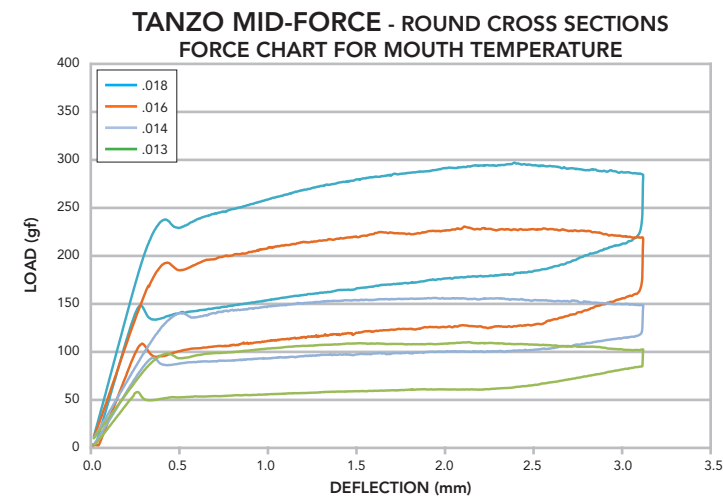
## Consistent Force Levels

American Orthodontics' manufacturing benchmark for Tanzo focuses on maintaining consistent loading and unloading forces so the wire delivers the same predictable performance every time. Strict time and temperature requirements are met, which results in consistent gram unloading forces, unlike competitors who focus on Temperature Transition Range, which results in less consistent force levels.<sup>1</sup>

### TANZO COMPETITOR CONVERSIONS

	MID FORCE	LOW FORCE
Ormco™	Damon® Copper Ni-Ti® Copper Ni-Ti® 27°	Copper Ni-Ti® 35° or 40°
DENTSPLY GAC™	240 to 300 g Neo Sentalloy® Square and Rectangular Sentalloy® Medium and Heavy Round	80 to 200 g Neo Sentalloy® Square and Rectangular Light and Medium Sentalloy® Round
G&H Orthodontics®	M5™ Copper Nickel Titanium Super Elastic Nickel Titanium	Thermal Activated Nickel Titanium
Highland Metals™	Super Elastic Nickel Titanium	Heat Activated Nickel Titanium
3M Unitek™	Nitinol Heat Activated	
RMO®	Fli® Copper Nickel Titanium 27°	Fli® Copper Nickel Titanium 35° or 40°

<sup>1</sup> Renee C. Pompei-Reynolds\* and Georgios Kanavakis<sup>b</sup>, "Interlot variations of transition temperature range and force delivery in copper nickel-titanium orthodontic wires", *American Journal of Orthodontics and Dentofacial Orthopedics* 146, Issue 2 (2014): 215-226



Stringent force level testing ensures consistency in every Tanzo wire.

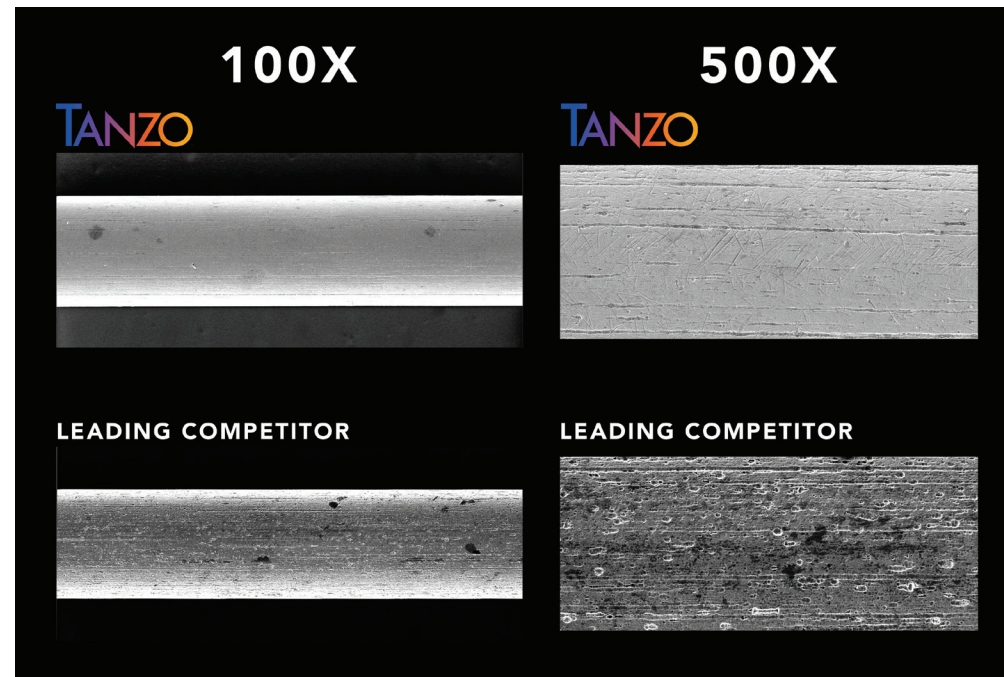


Each arch wire undergoes an extensive polishing process to deliver a consistently smooth, industry leading finish.



## Superior Surface Finish

Tanzo is manufactured using a final tumbling process for a smooth, polished surface. This reduces surface defects which helps deter bio-debris accumulation. It also adds to the aesthetics of the wire and reinforces Tanzo's quality standards.



## Pre-loaded Stops

Tanzo arch wires are available with pre-loaded stops which are especially popular in offices that use self ligating brackets. The stops help keep wire aligned with the centerline during treatment and because they are partially crimped, they can be easily repositioned without falling off.



## Sterilizable Packaging

Tanzo is available in individually wrapped sterilizable packaging which decreases the chances of cross contamination between patients and helps staff keep wire inventory organized. This extra care reflects a good impression on patients and parents.





## Multiple Arch Form Options

### NATURAL ARCH FORM I

Well suited for pre-adjusted appliances with programmed In/Out relationships, Form I can be used throughout treatment with little or no manipulation. Its moderately expanded anterior segment provides a slight over correction to allow for settling after removal.

### NATURAL ARCH FORM III - *European Arch Form*

Form III is slightly narrower than Form I in the anterior region, yet is well suited for preadjusted appliances. Due to the gentle curve of the arch form in the anterior segment, Form III is ideal for single-wing bracket systems as well as self ligating bracket systems where low friction is critical to appliance performance.

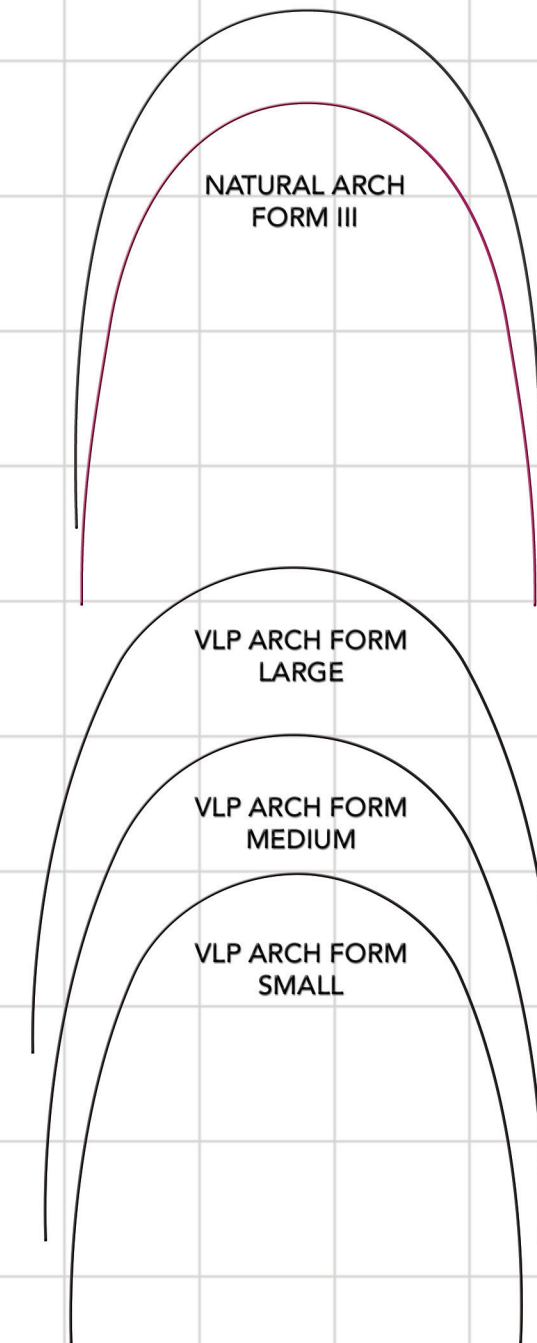
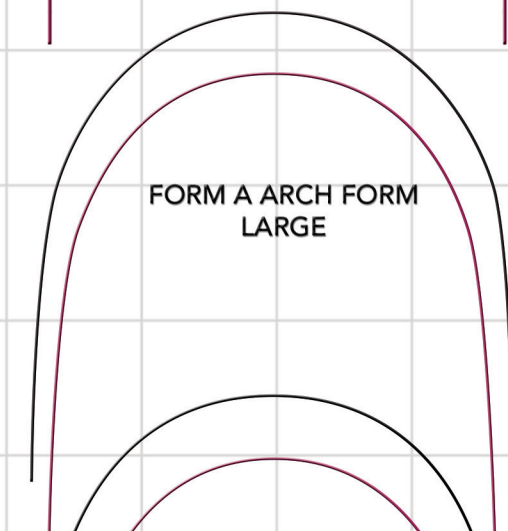
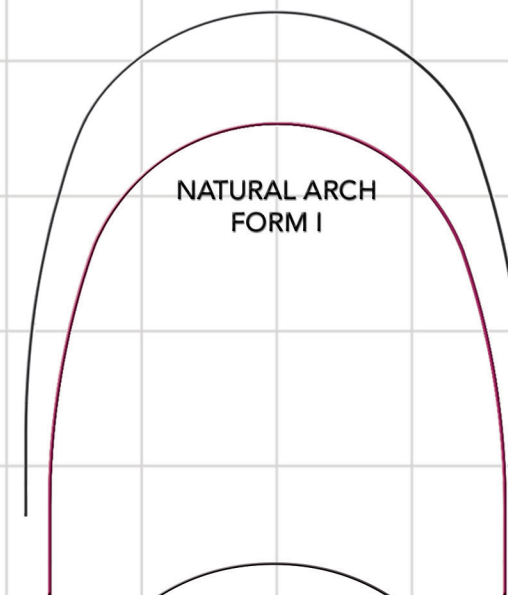
### FORM A\* ARCH FORM - *Large and Medium*

This form is practical for patients with a broad natural arch and provides a wider canine and first molar width for overcorrection and settling of teeth after treatment, similar to the "square" arch form options associated with Roth\* and McLaughlin, Bennett, and Trevisi\* techniques.

### VLP\* ARCH FORM - *Large, Medium, and Small*

The VLP arch form was designed to maximize the benefits of a passive self ligating bracket system. The wider arch width in the posterior allows for full expression of the expansion characteristics of low friction passive systems.

Tanzo wire is meticulously inspected to ensure consistency and quality.



Arch Forms shown not actual size

\*Compare Form A to the GAC Accu-Form®, a registered trademark of Dentsply GAC.

\*Compare VLP to the Damon® Arch Form, a registered trademark of Ormco.

\*Roth is a trademark of Ormco Corporation.

\*McLaughlin, Bennett, Trevisi is a trademark of 3M Unitek.



Scan for more information.



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