

u-TAH Nano

The u-TAH Nano is a revolutionary packaging system for mixing and applying two-component “paste-paste” materials. This single-use system allows the healthcare professional to accurately and precisely dispense mixed material using industry standard “Centrix®” type dispensers that dentists already own. Historically, two-component chemistries have been associated with complex handling requirements, technique dependent results, and expensive dedicated dispensers.

The u-TAH Nano unit-dose system makes using materials as simple as single component chemistries.



Potential Application

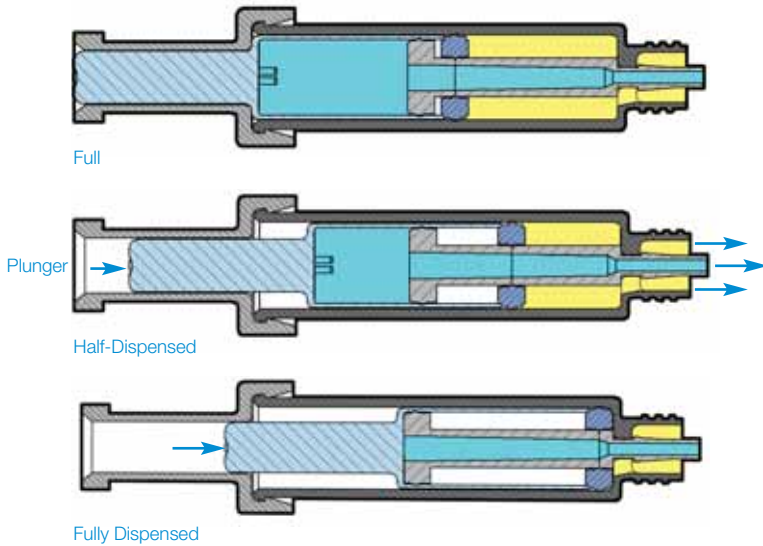
- Two-component dental materials
- Two-component surgical sealants and adhesives
- Audiology impression materials
- Orthopedic cements

Benefits

- Compatible with existing “Centrix” type dispensers
- Superior ergonomics and mechanical advantage as compared with conventional dual-barrel syringes
- Accurate and consistent 1:1 ratio dispensing and static mixing of two-component materials
- Single-use for added convenience and minimal risk of cross-contamination
- Low retained waste



How the u-TAH Nano Works



The unit holds the two mixable components, one behind the other, in a single cylinder. As the dispenser plunger advances into the back of the cartridge, materials are forced simultaneously through separate outlets into a disposable inline mixer. The ratio of the two components is precisely controlled by the cross-sectional area of the back and front chambers, and is varied by adjusting these diameters.

The cutaway drawings at left depict the 1:1 ratio Nano. The Nano's mixer is designed to combine the two components so that a completely and accurately blended material is dispensed from the nozzle. The amount of force required to dispense viscous materials using the u-TAH Nano system is substantially less than with traditional automix devices. The standard Centrix type dispensers provide a 4:1 mechanical advantage that gives the user more control with less strain.

The u-TAH Nano cartridges and mixers will be available in multiple sizes to support most single-use dental applications. For light sensitive materials, black cartridges are also available. In addition, Nordson EFD offers a Centrix type dispenser.


Performance Characteristic	u-TAH Nano	Multi-Use Automix Devices
Compatible With Standard Dispensers	Yes	No
Ergonomic For In The Mouth Use	Yes	No
Minimal Force To Dispense Viscous Materials	Yes	No
Nozzles With Integrated Tips	Yes	No
Single-Use To Minimize Contamination Risk	Yes	No

The u-TAH Nano Product Line

u-TAH Nano Cartridges

Part #	Capacity*	Ratio	Color
7703269 (NC-10-W)	1.0mL	1:1	White
7704120 (NC-10-B)	1.0mL	1:1	Black

* Net capacity



1:1 / 1.0mL

u-TAH Nano Mixers

Part #	Elements	Diameter	Color	Type
7703940 (NM-212-T)	12	3.2mm	White	Straight



2.3mm
8 element
Straight Tip

3.2mm
12 element
Straight Tip


Intra-
Canal Tip

Intra-Oral
Tip

Future offerings. Contact us for more information

The u-TAH Nano Product Line

u-TAH Nano Dispenser

	Part #	Material
	7704129 (ND-100)	Plastic

For Nordson EFD sales and service in over 30 countries, contact Nordson EFD or go to www.nordsonefd.com

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