

WIRE WIZARD
WELDING PRODUCTS

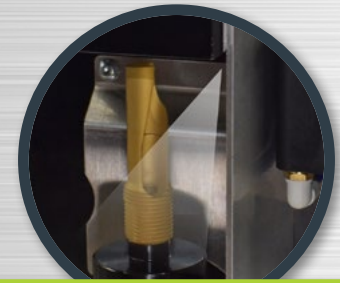
TORCH WIZARD®

HIGH PERFORMANCE NOZZLE CLEANING STATIONS



RELIABLE PERFORMANCE FOR MAXIMUM WELDING PRODUCTIVITY

Manufacturers around the globe trust **Torch Wizard® Nozzle Cleaning Stations** to maximize consumable life and weld cell uptime. Built tough for reliable performance in high volume production applications, they feature no belts that wear out and no complex circuit boards that burn out in industrial environments. Durable titanium nitride coated reamer blades provide extended blade life, reducing maintenance time to replace worn or broken blades. It's the Cleaning Station you need when you want to get the job done, no matter how heavy the workload!



AUTOMATED SELF-CLEANING FOR EASY MAINTENANCE

Integrated air blast for automated cleaning of spatter and debris

TOOL CENTER POINT (TCP) MOUNT

Optional TCP mounts available for Fanuc® tool center points.

OPTIONAL WIRE CUTTER

Available wire cutter cleanly cuts wire, removing weld bead for smoother arc starts.

BUILT FOR RELIABILITY

No complex circuit boards or belts for reliable, low maintenance operation.

TITANIUM NITRIDE COATED BLADES

Strong alloy tool steel blades are TiN coated to maintain sharpness and resist breakage.

HIGH TORQUE MOTOR

High torque pneumatic motor prevents stalls and cleans effortlessly!

BLUE MAGIC® ANTI-SPATTER

Extended two-year warranty with exclusive use of Blue Magic® or Blue Chill® Anti-spatter.

ETHERNET OPTION

Optional ethernet capability available for connectivity in modern weld cells.



EVACUATION CHUTE/ENCLOSURE

Enclosed operation keeps weld cell clean, optional chute reduces maintenance time.



TORCH WIZARD®

SELF-CLEANING ROBOTIC NOZZLE CLEANING STATION

THE SELF-CLEANING WORKHORSE

Torch Wizard® Automatic Robotic Nozzle Cleaning Stations assist in maintaining quality and productivity in MIG welding cells by quickly and efficiently removing spatter build-up in the gas nozzle. The SC models feature a **self-cleaning air blast to clean spatter and other debris** from the blade and air motor. Anti-spatter is applied evenly to the nozzle and tip through an isolated compartment, eliminating wet debris build-up on the reamer blade and motor. **Two year warranty with exclusive use of Blue Magic®/Blue Chill® anti-spatter.**

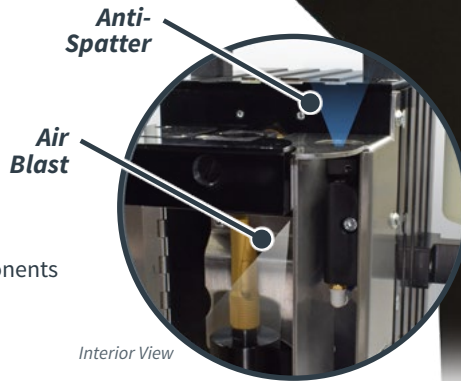
- ▶ Extends torch consumable life by removing spatter build-up
- ▶ Integrated air blast for automated cleaning of spatter and debris from the reamer motor, reducing downtime for maintenance (on SC models)
- ▶ Multi-station bulk anti-spatter dispensing ability standard on all models
- ▶ No circuit boards and fewer moving parts means **more reliable operation and lower maintenance costs**
- ▶ High torque motor prevents stalls, reducing downtime
- ▶ Adjustable v-block with four points of contact on the nozzle
- ▶ Enclosed operating environment keeps weld cell clean
- ▶ Easy-open covers provide quick access to internal components
- ▶ TiN coated reamer blades offer efficiency and longevity
- ▶ Ethernet capable (with option)
- ▶ Model for aluminum welding applications also available
- ▶ Pneumatic Wire Cutters and Tool Center Point Adapters available

Note: Each base unit requires a reamer blade (based on I.D. of gas nozzle being used) and power/control cable. Required FRL is available for purchase.



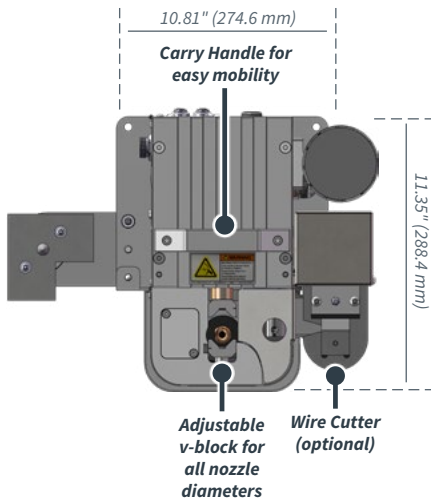
Torch Wizard® Robotic Nozzle Cleaning Station

EL-NCS-AC-20-SC
With optional evacuation chute and TCP mount

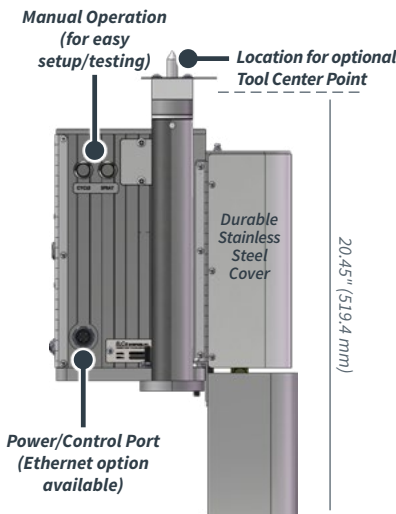


Integrated air blast for automated cleaning of spatter and debris!

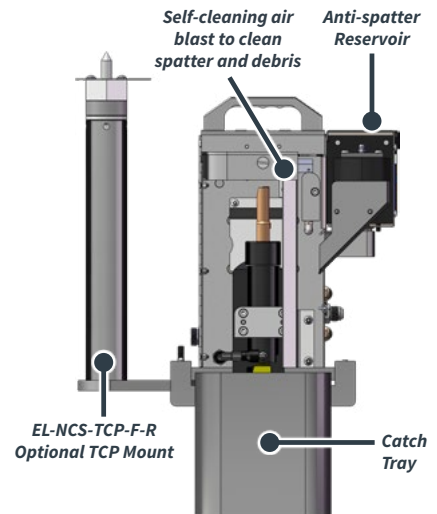
TOP VIEW



SIDE VIEW



FRONT VIEW without cover



TORCH WIZARD® TA

TANDEM ARC NOZZLE CLEANING STATION

Innovative design
cleans tandem
arc torches
with ease!



**Torch Wizard®
Tandem Arc
Nozzle Cleaning
Station**

EL-NCS-A-TA-16

DOUBLE-BARRELED CLEANING POWER

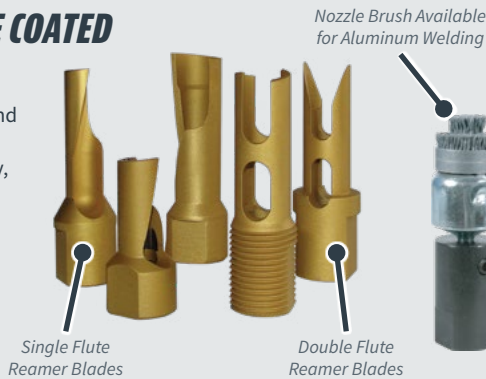
The Torch Wizard® TA Tandem Arc Nozzle Cleaning Station is specially designed for removing spatter build-up in tandem arc torches. Anti-Spatter (Blue Magic®) is applied via the cutter's center allowing reaming and spraying simultaneously for shorter cleaning cycles and higher part production. **Two year warranty with use of Blue Magic®/Blue Chill® anti-spatter.**

- ▶ Quickly and effectively cleans both tips on tandem arc torches, requiring only a simple rotation of the torch to ream each side
- ▶ Nozzle clamp designed specifically for securing tandem arc torches
- ▶ Includes all the same features and uses the same reamer blades as the single Torch Wizard® Nozzle Cleaning Station

CLEANING STATION OPTIONS & ACCESSORIES

TITANIUM NITRIDE COATED REAMER BLADES

Made from alloy tool steel and coated with titanium nitride (TiN) for enhanced durability, our reamer blades maintain their sharp cutting edge and resist breakage. Sizes for all standard nozzle IDs and lengths available.



Single Flute
Reamer Blades

Double Flute
Reamer Blades

Nozzle Brush Available
for Aluminum Welding

TESTING & DIAGNOSTIC BOX

The Torch Wizard® Reaming Station Test Box is a recommended maintenance peripheral for periodically testing and fine tuning your reaming station. Functions include: Sink/Source, Motor Slide Up/Down, Nozzle Clamp, Anti-spatter Spray and Wire Cutter (if applicable). Includes 110v AC unit and cable. Available for all cleaning station models.



TORCH WIZARD® WIRE CUTTER

Features reversible hardened steel blade for long cutting life. Included with AC and ACE models. Standalone model also available.



EVACUATION CHUTE

Replaces the standard catch pan for high volume welding applications. Designed to empty spatter and other waste into 5 gallon buckets, it reduces maintenance time for emptying catch pans.

STANDS & TCP ADAPTERS

29.5"
(749 mm)
Stand for
Torch Wizard®
EL-NCS-STAND

Order EL-NCS-**STAND**
for AP Model



Stand for Tool Center Point

EL-NCS-TCP-F-S

Excludes touch
plate and point



Tool Center Point Adapter Mount

EL-NCS-TCP-F-R

Excludes touch plate and point

BLUE MAGIC® INDUSTRIAL ANTI-SPATTER

BLUE MAGIC® & TORCH WIZARD® STATIONS — A WINNING COMBINATION!

A cost effective, environmentally safe product, this new generation of anti-spatter provides superb performance even in high temperature applications. Biodegradable formula contains no harmful chemicals and is noncombustible. And, because it contains one of the lowest water contents available, **you get protection, not water.**

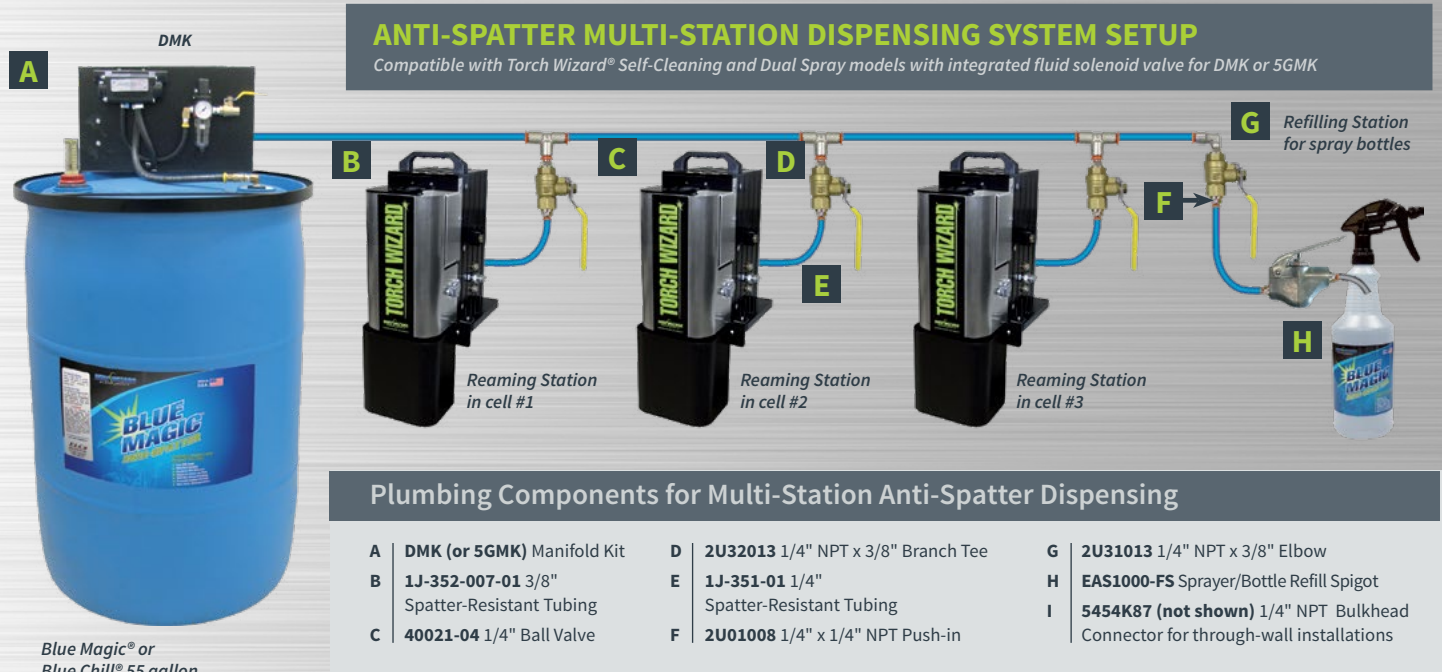
- ▶ Surfactants provide excellent wetting and lubricity in torches
- ▶ **Protects against spatter build-up and char residue**
- ▶ Keeps clean-ups to a minimum
- ▶ **Contains no silicone** — easily painted over
- ▶ Neutral pH level inhibits multi-metal corrosion
- ▶ Will not evaporate, keeping lines and nozzles clog-free
- ▶ Contains biocide, providing longer shelf life in warm climates
- ▶ **Available in concentrated form in 5 gallon buckets or 1 liter bottles**
 - ▷ One 5 gallon bucket makes 55 gallons of anti-spatter, ideal for overseas shipping

BLUE MAGIC® ANTI-SPATTER



ANTI-SPATTER MULTI-STATION SETUP

- ▶ Lowers operating costs by allowing the use of bulk anti-spatter, reduces downtime for refilling
- ▶ Supplies anti-spatter to multiple stations with pneumatic pump (pumps up to 1.92 gallons per minute at 75 psi)
- ▶ Less space required due to one feeding source



TORCH WIZARD® CLEANING STATIONS & ACCESSORIES

TORCH WIZARD® ROBOTIC NOZZLE CLEANING STATIONS

STANDARD MODELS

Part No.	Description
EL-NCS-A-20	Reaming Station with integrated anti-spatter spray
EL-NCS-AC-20	Reaming Station with integrated anti-spatter spray and wire cutter
EL-NCS-A-20-SC	Reaming Station with self-cleaning air blast and integrated anti-spatter spray
EL-NCS-AC-20-SC	Reaming Station with self-cleaning air blast, integrated anti-spatter spray and wire cutter
EL-NCS-A-TA-16	Reaming Station for tandem arc torches with integrated anti-spatter spray
EL-NCS-20	Reaming station without integrated anti-spatter spray (for aluminum applications)
EL-NCS-20-SC	Reaming station with self-cleaning air blast. Without integrated anti-spatter spray (for aluminum applications)







MODELS WITH INTEGRATED ETHERNET

Part No.	Description
EL-NCS-AE-20	Reaming Station with Ethernet and integrated anti-spatter spray
EL-NCS-ACE-20	Reaming Station with Ethernet, integrated anti-spatter spray and wire cutter
EL-NCS-AE-20-SC	Reaming Station with Ethernet, self-cleaning air blast, integrated anti-spatter spray
EL-NCS-ACE-20-SC	Reaming Station with Ethernet, self-cleaning air blast, integrated anti-spatter spray and wire cutter

TORCH WIZARD® OPTIONAL ACCESSORIES

Part No.	Description
EL-NCS-STAND	29.5" (749 mm) Stand (custom heights available) for EL-NCS models
EL-NCS-FRL-14	Filter/Regulator/Lubricator
EL-NCS-TB-ADR-16	Testing and Diagnostic Box for 20 and 20-SC models (9-pin)
EL-NCS-TCP-F-S	Stand for Tool Center Point — 44.9" H (1,141 mm) from base to point
EL-NCS-TCP-F-R	Tool Center Point Mount (attaches to reaming station stand)
EL-NCS-WCS-12	Integrated Wire Cutter (included on AC models)
EL-NCS-WCS-SA-12	Stand Alone Wire Cutter
EL-NCS-EC	Evacuation Chute for High Volume Applications
EL-NCS-CC9-20-3	9 Pin, 20 ft Power/Control Cable

TORCH WIZARD® REAMER BLADES

Part No.	Description	Diameter	Flutes	Thread	Height
EL-NCS-13MM	Reamer Blade	13 mm	2	Female	2.558"
EL-NCS-TL-13MMF	Reamer Blade	13 mm	1	Female	2.687"
EL-NCS-TS-13MMF	Reamer Blade	13 mm	1	Female	2.433"
EL-NCS-15MM	Reamer Blade	15 mm	2	Female	2.558"
EL-NCS-500	Reamer Blade 	1/2"	2	Female	2.558"
EL-NCS-TL-50F	Reamer Blade 	1/2"	1	Female	2.687"
EL-NCS-TS-50F	Reamer Blade 	1/2"	1	Female	2.433"
EL-NCS-625	Reamer Blade 	5/8"	2	Female	2.558"
EL-NCS-TL-62F	Reamer Blade 	5/8"	1	Female	2.687"
EL-NCS-TS-62F	Reamer Blade 	5/8"	1	Female	2.433"
EL-NCS-750	Reamer Blade 	3/4"	2	Female	2.558"
EL-NCS-BRUSH-M	Nozzle brush with mandrel for aluminum welding applications	5/8"	—	Female	—
EL-NCS-BRUSH	Replacement nozzle brush for aluminum welding applications	5/8"	—	Female	—

 Blades compatible with PowerBall® Torch Consumables

BLUE MAGIC® ANTI-SPATTER

Part No.	Description
EAS1000-C32	32 oz Spray Bottle
EAS1000-C1	1 gal Bottle
EAS1000-C5	5 gal Container
EAS1000-C	55 gal Drum
EAS1000-CT	275 gal Bulk Tote
EAS1000-C-CON-1L	1 l (33 oz) Concentrate
EAS1000-C-CON-5	5 gal Concentrate
EAS1000-C-CON	55 gal Concentrate
EAS1000-DP	Manual Drum Pump (55 gal)
EAS1000-DW	Drum Wrench (55 gal)

BLUE MAGIC® HD HIGH DUTY CYCLE ANTI-SPATTER

Specially formulated for extremely high temperature, long duty cycle applications

Part No.	Description
EAS1000-HDC32	32 oz Spray Bottle
EAS1000-HDC1	1 gal Bottle
EAS1000-HDC5	5 gal Container
EAS1000-HDC	55 gal Drum

