WIRE WIZARD
WELDING PRODUCTS

A unique process joins the end wire from a used empty drum with the start wire of the next full drum. Both butt-welding* and flash removal operations take only seconds and the two wire ends may be joined during the welding cycle.

▶ **Eliminates downtime for wire changeover**

▶ No operator action needed – robots can continue to weld while the next full drum is being installed

▶ Designed for use with optional **Wire Pilot® Feed Assist and Wire Guide Modules**

▶ Works with one or two-station robotic cells (2 or 4 drums)

▶ Accepts any fiber drum or cardboard wire packaging design

▶ Easy-to-use resistance Butt Welder (welds up to 0.078"/ 2 mm wire)

▶ Mountable to floor or wall (mounting holes included)

▶ Appropriate drum-handling carts available

SPECIFICATIONS
Dimensions will vary based on drum size

▶ **2 Drum Unit:** 47" W x 29" D x 7' H (1.2 m W x 0.74 m D x 2.13 m H)

▶ **4 Drum Unit:** 47" W x 55" D x 7' H (1.2 m W x 1.4 m D x 2.13 m H)

* *Wire manufacturer must present wire end at top of dispensing drum to butt weld beginning and ending of wires. Call customer service for information.*

ACCESSORIES

Wire Gage Block
WGB
For 0.035", 0.045", 0.052", and 0.062" wire (included with docking station)

Wire Parters
BW-WP
Leaves flat wire ends for easy butt-welding ←

Portable Resistance Butt Welder
NSW-BW-R13 or NSW-BW-220-R13
Welds up to 0.078" (2 mm) ferrous wire

Wire Sizer
Order by wire size
Removes burr in wire joint for smooth feeding

Non-Stop® Wire Dispensing System with two stations
NSW-20.4F-18B-2 (shown)
Shown with optional Butt Welder Docking Station. Docking Station includes Butt Welder, Wire Parters and Wire Gage Block. Wire Sizer sold separately.

NON-STOP® WIRE DISPENSING SYSTEMS & ACCESSORIES

Part No.	Description
NSW-20.4F-18B-2	System with 2 stations for 20.4" (518 mm) Ø Drums (1-Torch)
NSW-20.4F-18B-4	System with 4 stations for 20.4" (518 mm) Ø Drums (2-Torch)
NSW-23.1F-18B-2	System with 4 stations for 23.4" (594 mm) Ø Drums (1-Torch)
NSW-23.1F-18B-4	System with 4 stations for 23.4" (594 mm) Ø Drums (2-Torch)
NSW-SC24-18B-2	System with 2 stations: 1,000 lb (453 kg) Accu-Pak Drums (1-Torch)
NSW-SC24-18B-4	System with 4 stations: 1,000 lb (453 kg) Accu-Pak Drums (2-Torch)
NSW-OC23.5-18B-2	System with 2 stations: 23.5" (597 mm) Octagon Drums (1-Torch)
NSW-OC23.5-18B-4	System with 4 stations: 23.5" (597 mm) Octagon Drums (2-Torch)
WGM-NSW-SW-14	Wire Guide Module Swivel Kit Adapter (allows 360° rotation)
NSW-BW-DS-R13	Butt Welder Docking Station (110 V)
NSW-BW-DS-220-R13	Butt Welder Docking Station (220 V US)
NSW-BW-DS-220EU-R13	Butt Welder Docking Station (220 V European)

Part No.	Description
NSW-BW-R13	Portable Resistance Butt Welder (110 V)
NSW-BW-220-R13	Portable Resistance Butt Welder (220 V US)
NSW-BW-220EU-R13	Portable Resistance Butt Welder (220 V European)
NSW-BW-WS-039	Wire Sizer for 0.035" (0.9 mm) wire*
NSW-BW-WS-049	Wire Sizer for 0.045" (1.2 mm) wire*
NSW-BW-WS-052	Wire Sizer for 0.052" (1.3 mm) wire*
NSW-BW-WS-063	Wire Sizer for 0.062" (1.6 mm) wire*
NSW-BW-WS-078	Wire Sizer for 0.078" (2 mm) wire*
NSW-BW-WS-1	Wire Sizer without dies* (must specify wire size when ordering)
BW-WP	Wire Parters (included on butt welder docking station)
WGB	Wire Gage Block (included on butt welder docking station)

* *Wire Sizer replacement dies available. Contact customer service for more information.*

NON STOP WIRE DISPENSING

ELIMINATES DOWNTIME FOR WIRE CHANGEOVER!

ADDITIONAL WIRE EXIT POINT OPTIONS

Wire Pilot® Feed Assist Mounting Adapter

NSW-PFA-AK-15 ▶
(includes liner)

Guide Module(s)

May be mounted in a fixed position or with the Guide Module Swivel Kit to allow 360° rotation

NSW Drum Hoods

Wire Transfer Arm

Wire Whip

Butt Welder Docking Station

DRUM SETUP

Single Torch Unit
(with round drums)

2-Torch Unit
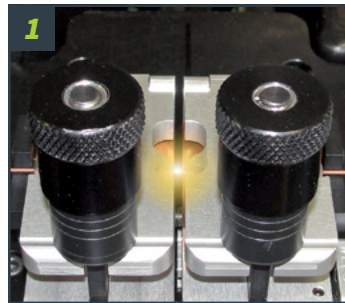(with round drums)

DRUM 1
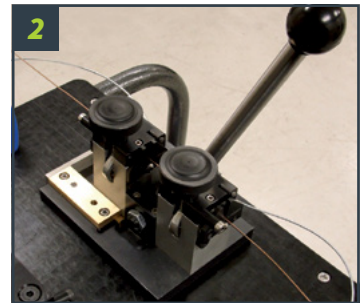
DRUM 2

Start Wire

Start Wire

End Wire

1

Join the end wire from drum 1 with the start wire from drum 2 using the Butt Welder.

2

Remove the flash in the wire joint using the Wire Sizer (sold separately) or rotary tool with stone bit.

3

Position the wire on the pathway between the two drums.

4

When wire from drum 1 runs out, the transfer arm will switch over to drum 2. Simply replace empty drum and repeat steps 1 – 3.