



# AUTOTIP®

## AUTOMATIC TIP CHANGER

Experience an innovation in robotic MIG welding. The AUTOTIP® from Nasarc automates the routine task of manually changing a MIG welding contact tip.

The AUTOTIP® removes and replaces a spent tip with a new tip, reducing tip changing time to as low as thirty seconds. An onboard tip cartridge allows for 175 tip changes without operator intervention.

## FEATURES

### Automated Tip Removal and Disposal:

- Reduced cycle time results in increased productivity. Tip change cycle time is reduced to as low as 30 seconds when used with the AUTOCLEAN®. Used contact tips are automatically disposed of into a dedicated tray for easy cleanup.

### Easy Tip Cartridge Reloading:

- Pre-loaded cartridge allows for easy and rapid change-out.

### Industrial Network Capable:

- Equipped with Ethernet/IP network capability.

### Automated Contact Tip Replacement:

- Onboard contact tip cartridge allows for fully automated tip replacement for 175 tip changes with minimal downtime.

### Intuitive User Interface:

- Designed to allow for easy setup, diagnostics and reporting at point of use.

## TECHNICAL DATA

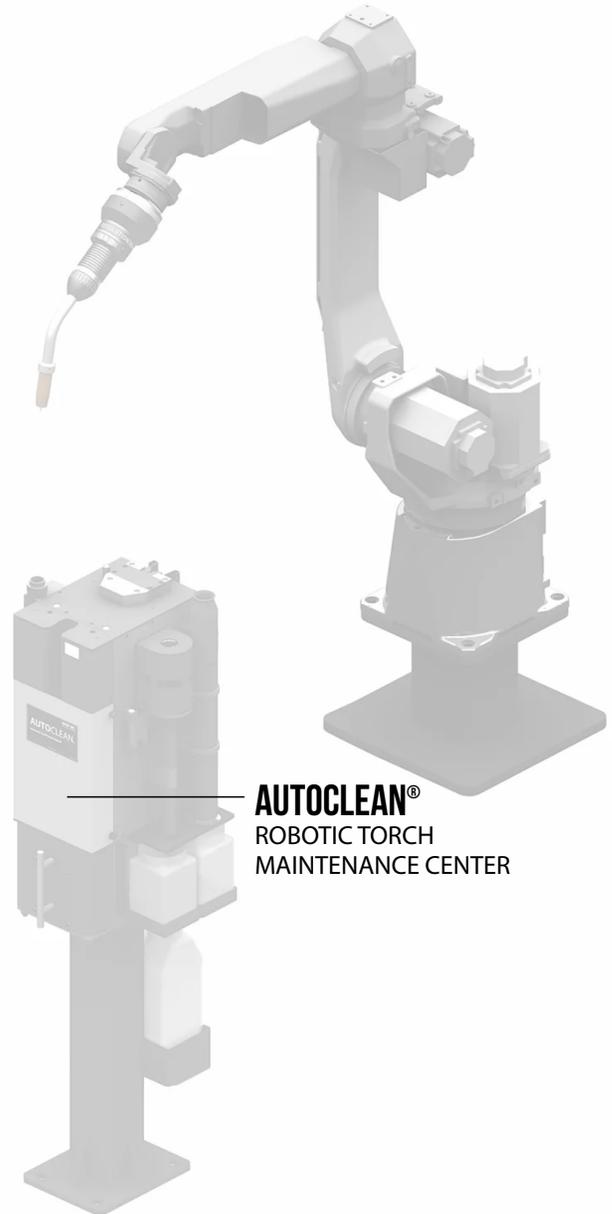
Footprint Size:	23.1" H x 15.5" L x 10" W
Air Supply:	85 PSI, 13 CFM
Power Supply:	24 VDC, 5.0 A

# THREE PROCESSES

- 01** Pre-loaded **tip cartridge** holds 175 tips for fully automated tip replacement with minimal downtime.
- 02** **Tip removal and replacement**; power and precision ensure a full removal and consistent tightening torque.
- 03** Convenient in-stand **tip disposal tray** for quick and easy removal of spent tips, resulting in a cleaner welding environment.

## REVOLUTION360® INFINITE ROTATION ROBOTIC MIG TORCH

### AUTOTIP® ROBOTIC TORCH MAINTENANCE CENTER



### AUTOCLEAN® ROBOTIC TORCH MAINTENANCE CENTER

## BENEFITS

- **Cycle Time:** Reduced downtime resulting in increased productivity. Tip change cycle time can be as low as 30 seconds when used with the AUTOCLEAN®.
- **Quality:** Improved weld quality through consistent tip fastening torque.
- **Flexibility:** Tip change schedule can be programmed for optimum tip performance.
- **Safety:** Operator entry into robot weld cell is reduced.
- **Powerful:** Capable of removing and replacing a tip with a burnback condition.

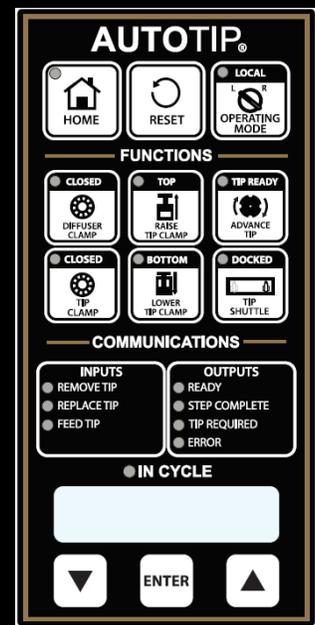
# USER INTERFACE

## EASY ACCESS TO INFORMATION AT POINT OF USE.

- Intuitive user interface available for setup and robot programming.
- Onboard controls are used to measure and manage internal functions and communications with the robot.
- LCD readout allows for complete setup and diagnostics.

## WEB SERVER- EXTENDED USER INTERFACE

- Built-in web server user interface offers enhanced diagnostics, configuration, remote monitoring and analytics.



# ROBOT INTEGRATION

## ROBOT INTEGRATION IMPLEMENTED THROUGH ETHERNET/IP OR DISCRETE I/O.

### ETHERNET/IP:

Intuitive user interface available for setup and robot programming.

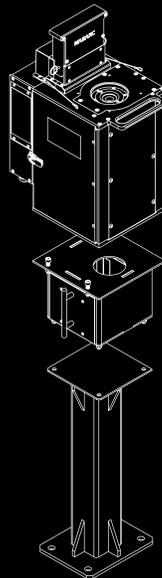
- Expanded I/O for enhanced control
- Cycle counters on each process
- Consumable management
- Error codes
- Process diagnostics
- RS-logix AOI is available for easy integration

### DISCRETE I/O:

- Automatic configuration of sinking/sourcing input and outputs

# FLEXIBLE MOUNTING OPTIONS

The mounting box may be installed on the recommended stand (sold separately) with various heights available on a custom stand or fixture.



# ORDERING INFORMATION

## 1. AUTOTIP®

Ethernet/IP	NAT1E
Discrete I/O	NAT1D
Discrete I/O with Ethernet/IP	NAT1DE

## 2. CONTACT TIPS (REQUIRED):

Tip Cartridge NTTX-YY-CG175

X: MATERIAL. B=COPPER DHP, C=CuCrZr

YY: TIP ID. 35=.035", 40=.040", 45=.045"

## 3. CABLE (RECOMMENDED):

Ethernet/IP 4 pin power cable	NCCA-F-XX
Ethernet/IP M12/RJ45 cable	NCCD-R-XX
Discrete I/O 10 pin cable	NCCB-F-XX

XX: LENGTH (FEET) = 20, 30, 50

## 4. MOUNTING (RECOMMENDED):

Mounting Box & Tray Assembly (NAT)	NSMT1-07
Stand Post Assembly 23"	NSST1-23