

**Automation Peripherals** *Welding Accessories*



**Quality Robotic Welding Accessories**  
*Since 1985*



## Torches

### TBi RM2 Product line

- Collision resistant torch design
- Thermally stable torch design for a highly precise TC
- Eliminates readjustment of the torch neck
- 8 Different torch neck models
- 3 Different cable assemblies
- Compatible with standard and through arm robots



### 62G/72G

- 45 or 22 Degree neck
- Two standard lengths - regular or long
- Gas cooled
- 62G Duty cycle rating
  - CO<sub>2</sub> - 500A / 60%, 340A / 100%
  - Mixed Gas - 420A / 60%, 290A / 100%
- 72G Duty cycle rating
  - CO<sub>2</sub> - 480A / 60%, 320A / 100%
  - Mixed Gas - 400A / 60%, 270A / 100%



### 82W

- 45 or 22 Degree neck
- Two standard lengths - regular or long
- Water cooled
- Duty cycle rating
  - CO<sub>2</sub> - 600A / 100%
  - Mixed Gas - 550A / 100%



### 82WNG

- Provides access to hard to reach weld joints
- Water cooled (gas available)
- Duty cycle rating
  - CO<sub>2</sub> - 380A / 100%
  - Mixed Gas - 350A / 100%



## Torch Cleaning Stations



### BRG2

- Rotating reamer
- Enclosed anti-spatter unit
- Eliminates robot workcell contamination
- Evenly coats torch consumables
- Reduces anti-spatter usage
- Wire cutter



### JetStream

- Thorough cleaning using blast particle
- Increased productivity
- Extends consumable life
- Enclosed anti-spatter unit

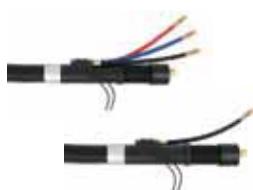
## TBI Torch Cable Assemblies

### Through Arm



#### Helix (for hollow wrist robots)

- Long life cable assembly
- +/- 270° in both directions
- Gas and water cooled models



#### Infiniturn (for hollow wrist robots)

- Long life cable assembly
- Endless rotation
- Water cooled



### Standard Over The Arm

#### Robo MIG

- Long life cable assembly
- Robust connection points
- Gas and water cooled models

## Laser Touch Sensing

- Faster touch points
- Eliminates wire cast
- Integrated to robot
- Automated door design
- Shortens cycle times
- Repeatable touch



## Robot and Torch Alignment

- Identify misalignment
- Pointer connects to robot and torch



## Camera Box

- Automatic door to protect lens
- Positive air flow used to keep camera clean

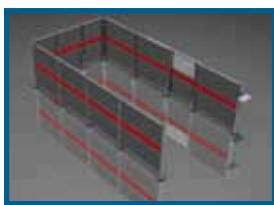
## Double Check

- Improves weld quality
- Verifies position of the robot weld wire
- Suspends automatic operation or notifies operator when misalignment is detected



## System Guarding

- Customizable configurations
- Easy peripheral attachment points
- Sliding and swing doors available
- Maintenance windows



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## Consumables

- Threaded nozzles with multiple configurations
- Long life CuCrZr contact tips and tip holders
- Ceramic and duroplast gas diffusers / spatter protection
- Neck and cable liners for simplified maintenance



## Torches

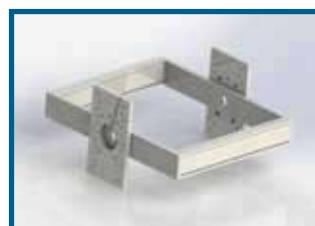
### Push Pull Torch

- \* Smooth feeding for soft wires (aluminum)
- \* Simple connection to wire feeder
- \* Standard and through arm models



### Tandem Torch

- \* 2 x 550A at 100% duty cycle
- \* Long life nozzle and consumable parts
- \* Compatible with all power supplies
- \* Highest TCP reliability



## Picture Frames

- Custom sizes available
- Designed for plate style fixtures

## Quick Change Tooling

- Rapid tool changeover
- Simple one step process
- Reduces robot downtime during tool changeover
- Self-alignment system
- Self-engaging safety latch



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