

# TRMWF WATER-COOLED FUME EXTRACTION WELDING TORCH

- Specialized Robotic Welding Torch with Fume Extraction.
- 100% Duty Cycle, 350A Pulse Welding.
- Built-in Fume Channel for High Accessibility.
- High-pressure Dust Extraction with Precision Filtration.

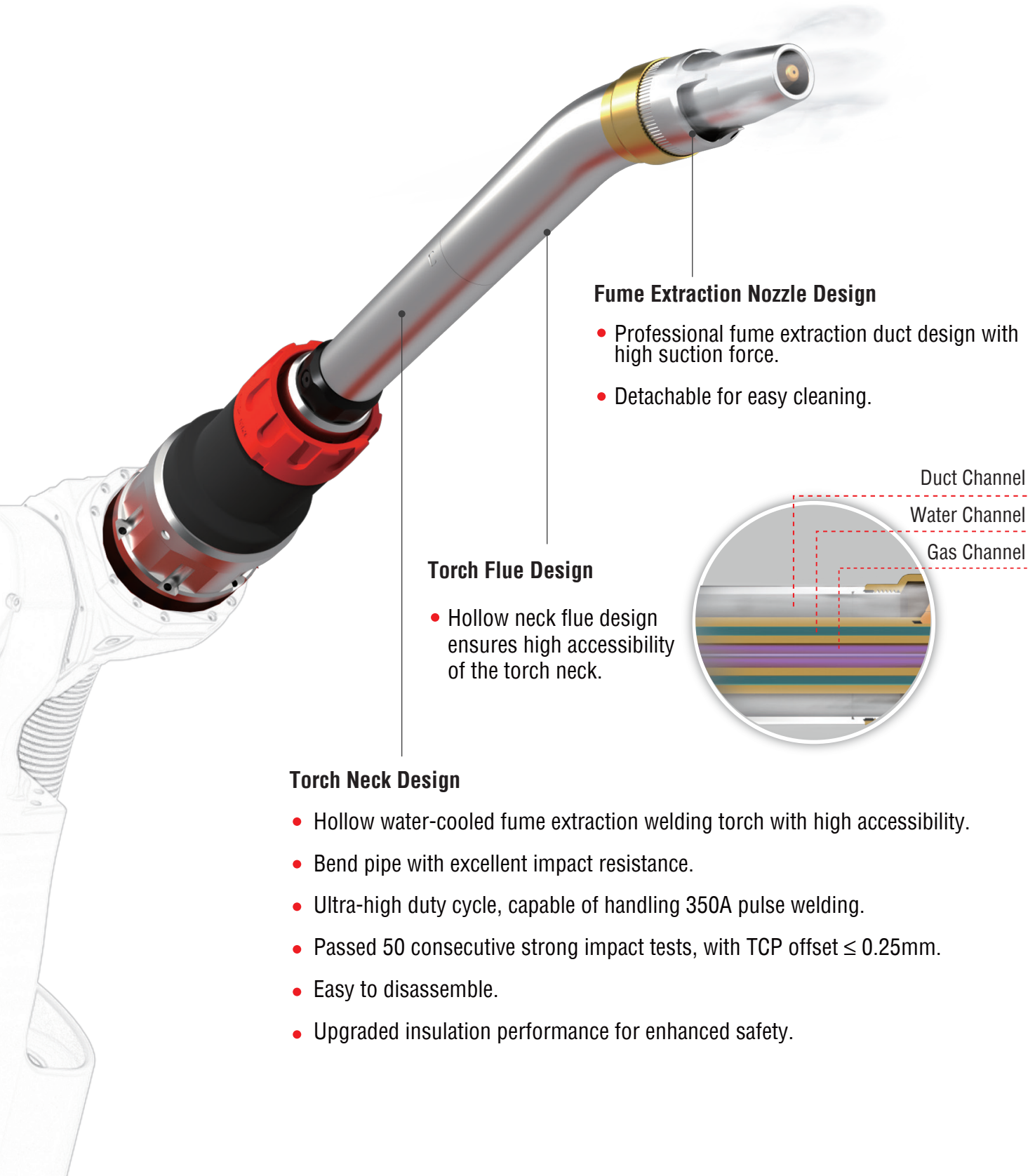


NEVER COMPROMISE ON QUALITY

**TRM**<sup>®</sup> 特尔玛

# Through-arm Water-Cooled Fume Extraction Welding Torch TRM602WFHD

Ratings 550A CO<sub>2</sub>  
500A Mixed Gas M21(ISO14175)  
Duty Cycle 100%



## Fume Extraction Nozzle Design

- Professional fume extraction duct design with high suction force.
- Detachable for easy cleaning.

## Torch Flue Design

- Hollow neck flue design ensures high accessibility of the torch neck.

## Torch Neck Design

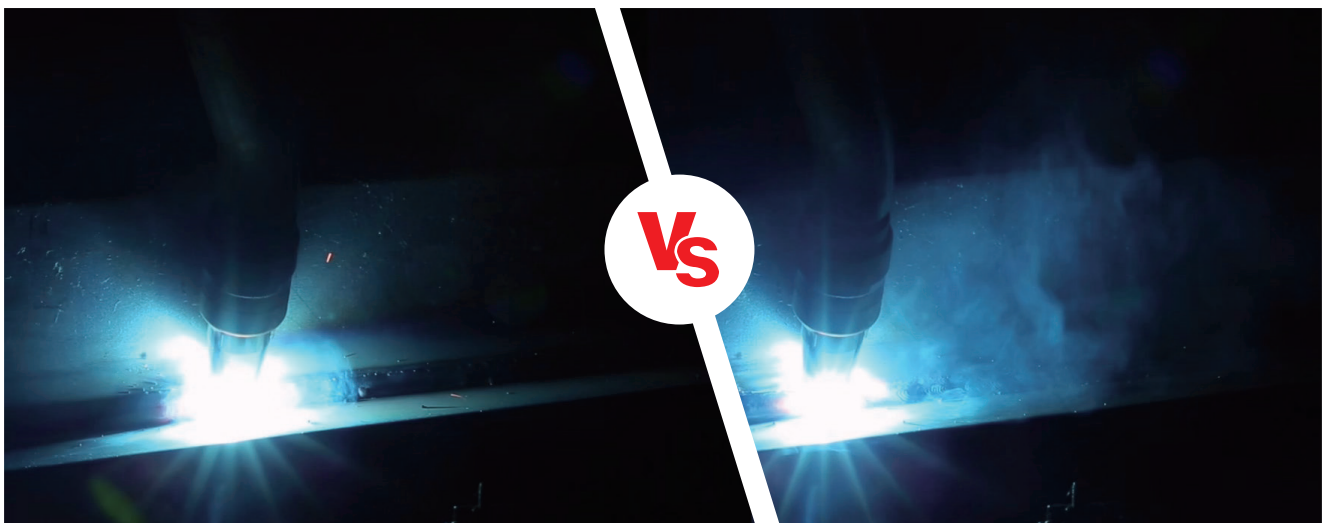
- Hollow water-cooled fume extraction welding torch with high accessibility.
- Bend pipe with excellent impact resistance.
- Ultra-high duty cycle, capable of handling 350A pulse welding.
- Passed 50 consecutive strong impact tests, with TCP offset  $\leq 0.25\text{mm}$ .
- Easy to disassemble.
- Upgraded insulation performance for enhanced safety.

- ↘ Suitable Industries:
- > Construction machinery industry
  - > Steel structure industry

### WFE30 Fume Extraction Device

- Compact and lightweight.
- Filtration precision: 0.3µm, filtration area: 5m<sup>2</sup>.
- Adjustable airflow via frequency conversion.
- Electromagnetic pulse reverse blow cleaning (timed or manual).
- Pressure monitoring and alarm system.  
(Ensures optimal fume extraction without affecting shielding gas for superior welding results.)

Noise	≤69dB(A)
Wiring	Three-phase five-wire; 380V/50Hz
Current	6.5A
Power	3KW
Compressed air	0.8MPa
Filtration precision	0.3µm
Filtration area	5m <sup>2</sup>
Maximum flow rate	318m <sup>3</sup> /h
Maximum negative pressure	260mbar



Fume Extraction Device ON  
Smoke Status

Fume Extraction Device OFF  
Smoke Status

# Over-arm Water-Cooled Fume Extraction Welding Torch TRM605WFHD

Ratings 550A CO<sub>2</sub>  
500A Mixed Gas M21(ISO14175)  
Duty Cycle 100%

- The external water-cooled fume extraction welding torch is compatible with various robots (including collaborative robots), offering a wider range of applications.



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