



WALLCOLMONOY

“Fast and Easy Detailed Hardsurfacing Build-Up”

Fusewelder™ Torch

WALL COLMONOY'S HARD-SURFACING EQUIPMENT

The Fusewelder™ Torch is a special oxy-acetylene torch which preheats the base metal, sprays powdered alloy and fuses deposits to the workpiece – all with one integrated unit.

Benefits & Usage:

- Protects critical parts against wear
- Repairs cast iron and most ferrous metals
- Restores undersized parts

Superior Results with Easy, Trouble-Free Operation:

Precision control – plunger-type valve assembly provides instant powder flow shut-off.

Durability – sturdy metal hoppers and heavy-duty copper tips with wear-resistant inserts.

Versatility – spraying small, narrow areas and even overhead work is possible.

Powders – Wall Colmonoy's Fusewelder™ Powders are designed for use in the Fusewelder™ Torch. It may also be used to apply Wall Colmonoy's Spraywelder™ powders and Microbraz® high-temperature brazing filler metal powders.

Easy Maintenance – entire torch is easily disassembled for quick clean-up and maintenance.

Safety – supplied with built-in flash-back arrestors and reverse flow check valves.

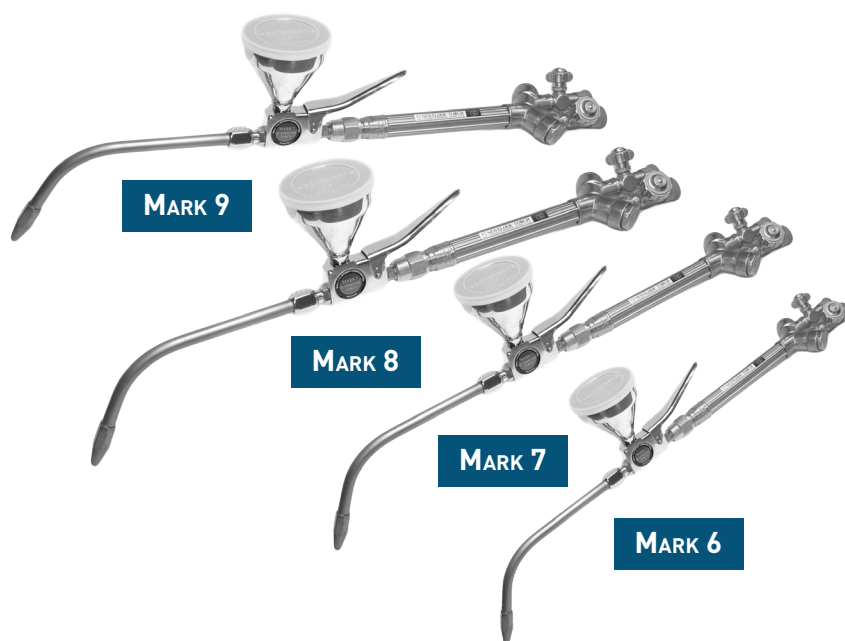
Flexibility – Four models are available with different powder spray capacities for fine detail work or larger components.

EQUIPMENT

Four Fusewelder™ models are available with different powder spray capacities for fine detail work or larger components

Four models are available to accommodate work on very small / thin or fine edged parts (Mark 6) to large, heavy parts (Mark 9) and anything in between (Mark 7 & Mark 8). The fused deposit creates a dense, low-porosity coating to protect parts subject to heavy wear, erosion, corrosion, galling, or impact.

Compatible with specially designed Colmonoy® powders, the Fusewelder™ Torch System adapts to diverse applications in nearly any industry including glass container, mining, agriculture, oil & gas, and power generation.



Model	Tip	Powder Spray No. Capacity kg/hr (lbs/hr)	Features
Mark 9	84	4.5 (9.9)	Designed for work on larger parts up to 62,500 BTUs
	80 MF*	4.5 (9.9)	
	94	6.4 (14.2)	
Mark 8	64	3.2 (7.0)	Larger powder hopper up to 33,500 BTUs
	74	4.1 (9.0)	
Mark 7	44	1.7 (3.7)	Widest spray capacity range and characteristics up to 22,000 BTUs
	54	2.8 (6.2)	
	40MF*	1.7 (3.7)	
	50MF*	2.8 (6.2)	
Mark 6	24		For fine detail work (edges and corners) up to 14,000 BTUs
	34	0.59 (1.3)	

*Multi-flame tips provide wider spray patterns

ACCESSORIES

Detached Production Hopper

The production hopper holds more than 9 kg (20 lbs.) of powder, permitting continuous spraying. Hopper includes cover and hose. Powder is gravity-fed to the torch. May be used with all Fusewelder™ models.

Water/Air-Cooled Nozzle

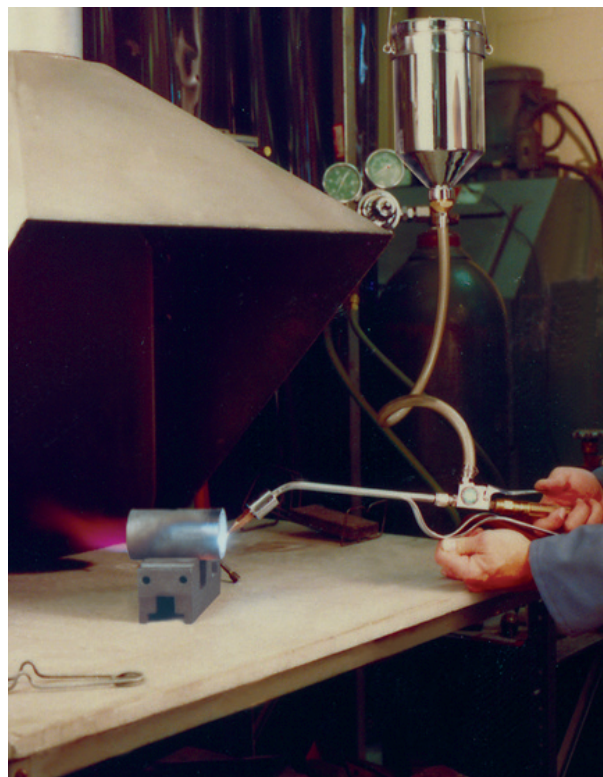
This special nozzle is surrounded with tubing for circulating water or air to cool the nozzle and tip. This is useful where a cavity entraps heat around the tip end, or to prevent undue wear when the torch is used in high production work. May be used with all models.

Nozzle Extensions

Extensions are made to order and available in three lengths (7, 10 and 18 inches) to spray difficult-to-reach areas. They may be joined to achieve longer lengths.

Gas Regulators

Oxygen and acetylene regulators provide reliable, precise gas control. Each consists of a two-stage design, displaying both supply and regulated pressure.



Detached production hopper permits continuous spraying



Water-cooled nozzle prevents undue wear when the torch is used in high production work



Fusewelder™ Torch spraying Colmonoy® 227 on glass container moulds

fusewelder.com

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WALLCOLMONOY

Wall Colmonoy. Making Metals Work Harder Since 1938.

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The information provided herein is given as a guideline to follow. It is the responsibility of the end user to establish the process information most suitable for their specific application(s). Wall Colmonoy assumes no responsibility for failure due to misuse or improper application of this product, or for any incidental damages arising out of the use of this material.