

2LC & 2CU Fusion Machine

Fusion Capability for ½" CTS – 2" IPS (16mm – 60mm)

Patent No. 4,352,708

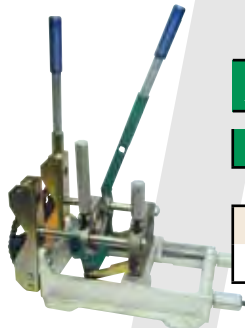
2LC

The **2LC** employs a semi-automatic locking cam (LC) system to maintain force during the cooling cycle. It will butt fuse ½" CTS to 2" IPS (16mm to 60mm) pipe. The 2LC incorporates McElroy's patented Centerline Guidance System, and is designed to butt fuse tees, ells and other fittings. The machine is made primarily of surface-hardened aluminum for light weight and durability. The jaws and inserts have multiple serrations for maximum grip on the pipe. Raise the machine to a comfortable level with the optional manual fusion machine stand.



2CU

The **2CU** Machine will butt fuse ½" CTS to 2" IPS (16mm to 60mm) pipe, tees, ells and other fittings. This combination unit (CU) incorporates McElroy's patented combination sidewall feature. Sidewall clamps with chain vise allow the unit to be attached on the centerline of a pipe main for sidewall fusion of ½" to 2" service saddles, round base branch saddles and small tapping tees. The 2CU is equipped with chain lengths that will clamp up to 8" IPS pipe. Additional chain lengths are available for larger main sizes. For additional sidewall fusion accessories, see page 118-119.



2LC

- Compact and durable
- Locking cam system to maintain force
- Butt fusion of pipe and fittings
- 5.8-to-1 mechanical advantage

2CU

- Operator maintains fusion force
- Sidewall capabilities for ½" to 2" fittings
- Butt fuses a variety of fittings and pipe

2LC

Machine Type	Model No.	Input Voltage Requirements	Plug Type *
Includes fusion machine, heater, facer, insulated heater/facer stand and screw/driver kit.			
Manual	A217201	100V-120V, 50/60Hz, 800 Watt, 1Ph	A
Manual	A217202	200V-240V, 50/60Hz, 800 Watt, 1Ph	C

2CU

Machine Type	Model No.	Input Voltage Requirements	Plug Type *
Includes fusion machine, heater, facer, insulated heater/facer stand and screw/driver kit.			
Combination Unit	A200101	100V-120V, 50/60Hz, 800 Watt, 1Ph	A
Combination Unit	A200102	200V-240V, 50/60Hz, 800 Watt, 1Ph	C

* Refer to the plug type reference chart on page 139 for your correct plug type.

MACHINE PLUG TYPE
To find the right electrical plug type see **Page 139**

GENERATOR
To size your generator see **Page 145**

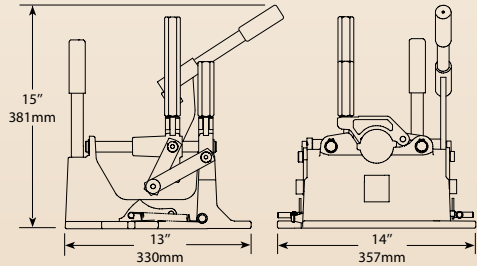
SIDEWALL ACCESSORIES
To find sidewall fusion accessories see **Pages 118-119**



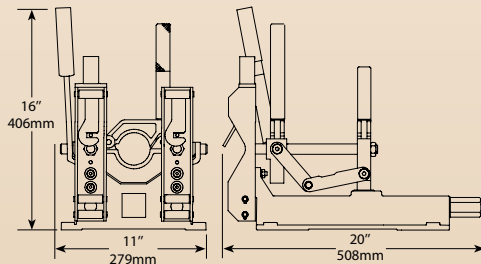
Visit the Fusion Experts at www.mcelroy.com

Specifications & Accessories 2LC & 2CU

2LC & 2CU



2LC



2CU

CAPACITY

Fuses Pipe Sizes: ½" CTS – 2" IPS (16mm – 60mm)

WEIGHT

2LC Machine: 23 lbs (10.4Kg)

2CU Machine: 28 lbs (12.7Kg)

Facer: 7.9 lbs (3.54Kg)

Heater: 7.24 lbs (3.28Kg)

POWER

Heater Power: 800 Watt

Facer Power: Hand-operated

WARRANTY

Term: 3 Years, see page 5 for details


Specifications subject to change without notice.
Additional dimensions available on page 143.

Part No.	Description
----------	-------------


Spare Facer Blades

	205702	Blade set includes 4 blades, attaching screws and wrench.
---	--------	---


Spare MultiMc™ Heater Kits

	Kit includes heater plates.	
	A215505	100V-120V, 50/60Hz, 1Ph
	A215506	200V-240V, 50/60Hz, 1Ph


Spare Facer

	216101	Spare facer used to face pipe ends to be fused.
---	--------	---


Spare Stand with Heater Bag

	218301	Holds facer and heater for easier carrying and protection. Heater bag helps the heater maintain a constant temperature.
---	--------	---


Spare Screw/Driver Kit

	A214201	Spare driver kit with insert screws and wire brush for cleaning serrated jaws and inserts.
---	---------	--

Pyrometer Kit


	A218804	Accurately checks surface temperatures of heater.
---	---------	---

Heat Shield


	203004	For fusing two materials with different melt rates. Shields the faster melt rate materials from over melting.
---	--------	---

Part No.	Description
----------	-------------

Storage Box


	MJQ00193	Storage box for 2LC fusion machine, inserts and adapters.
	MJQ00194	Storage box for 2CU fusion machine, inserts and adapters.

Insert & Adapter Box


	ASW15902	Storage box for organizing your inserts and adapters for safe keeping.
---	----------	--

NEW!


2LC Manual Fusion Machine Stand - See page 22

	439001	Expands to a comfortable operator height equal to our other pipe supports. Folds for easy storage and has wheels for easy transporting.
---	--------	---

Butt Fusion Insert Set - Set = 4 inserts, screws and wrench

	All inserts are surface hardened for longer life and are serrated for maximum grip on the pipe. Inserts are made for one size pipe only and are required for pipe sizes less than 2" IPS. Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs. For JIS insert sizes, see page 126.	
	207515	1½" IPS 1.90" OD
	207533	1½" CTS 1.63" OD
	207514	1¼" IPS 1.66" OD
	207519	1¼" CTS 1.38" OD
	207513	1" IPS 1.32" OD
	207518	1" CTS 1.13" OD
	207512	¾" IPS 1.05" OD
	207517	¾" CTS 0.88" OD
	207521	½" IPS 0.84" OD
	207516	½" CTS 0.63" OD
	207531	50mm 1.97" OD
	207529	40mm 1.57" OD
	207527	32mm 1.26" OD
	207525	25mm 0.98" OD
	207523	20mm 0.79" OD

Spare Heater Plate Kit

	A215701	Plates have an anti-stick coating and are required for butt fusion. The kit includes 2 plates, attaching screws and wrench.
--	---------	---