

MEGAMC® 1600

20" OD - 65" OD (500MM - 1600MM)



MADE FOR

UNDERGROUND
CONSTRUCTION



ABOUT MEGAMC

The McElroy MegaMc® fusion machines are a revolutionary mix of muscle and versatility. They were the first large-diameter machines that brought the flexibility of the small-diameter machines to large-diameter fusion. Rugged and tough, they are designed to meet the demands of jobsites worldwide and are equally capable of performing quality fusions in the ditch and in close quarters.

The MegaMc carriages are mounted on a wheeled chassis for portability and convenience on large-diameter pipeline jobsites. Easily towable to the fusion area, they remain stationary as sticks of pipe are fused and pulled through.

All of the fusion functions on the MegaMcs are powered smoothly by hydraulics including the clamping and unclamping of the jaws and the fast and efficient facing of the pipe ends. Hydraulic pipe lifts aid in loading and unloading pipe from the machine.

The MegaMcs are compatible with the McElroy DataLogger®, which records and documents the entire fusion process. Joint records are used to verify that proper fusion procedures have been followed prior to installation and can be stored and analyzed in the Vault™, a secure server on the internet.

Pipe type, job requirements and fusion standards are all important aspects of planning a fusion job. The MegaMcs are available in a variety of cylinder forces to meet your jobsite needs.

MEGAMC 1600 SERIES 2

The MegaMc 1600 tackles the largest pipe jobs with ease, butt fusing pipe from 20" OD to 65" OD (500mm to 1600mm). Each of its four jaws come with 30,000 lbs. of clamping force for improved gripping and re-rounding of pipe. With 88,000 lbs. of fusion force, operators have extra force in reserve to overcome drag. The machine allows for butt fusion of most fittings without special holders or removal of the outer jaws. The 1600 also has a removable fourth jaw for enhanced convenience in fusing fittings onto pipe. Mitered inserts are also available for fabricating ells.

ADDITIONAL IMAGES



STANDARD FEATURES

- ✓ Patented Centerline Guidance System for equal distribution of force around the joint
- ✓ Industry standard semi-automatic hydraulic control system
- ✓ 30,000 lbs. of clamping force per jaw help round pipe ends and offer better gripping
- ✓ 88,000 lbs. of available fusion force allows you to fuse thicker wall pipes and overcome heavier drag forces
- ✓ A new facer with stronger internals is 40% faster, making it easier to face heavy-wall pipe
- ✓ Complete fourth jaw can be removed as a whole unit, for enhanced convenience in fusing prefabricated fittings onto the pipe
- ✓ Automatic hydraulic heater stripping improves open and close times
- ✓ 102" width suitable for most flatbed trailers and is road shippable without permit in most of the U.S.
- ✓ Simple-to-use independent jaw control puts more flexibility in the hands of the operator
- ✓ Removable 4th jaw for enhanced convenience in fusing prefabricated fittings onto the pipe
- ✓ Advanced digital heater control offers better temperature control
- ✓ Rugged outriggers for added stability
- ✓ Hydraulic pipe lifts
- ✓ Standard Hydraulic Clamping
- ✓ Serrated jaws and inserts keep pipe from slipping during fusion
- ✓ DataLogger® compatible
- ✓ Advanced blade design for smooth face and long life
- ✓ ISO-compliant industrial Teflon-coated heater plates



DataLogger
COMPATIBLE

MEGAMC® 1600

20" OD - 65" OD (500MM - 1600MM)

SPECIFICATIONS

MODELS		ENGINE		MACHINE DIMENSIONS	
A6500102	Medium Cylinder Force, 240V	Vehicle Engine	20 HP	Machine Length	204" (5,181.6mm)
A6500103	High Cylinder Force, 240V	Horse Power		Machine Width	102" (2,590.8mm)
A6500104	Medium Cylinder Force, 415V	Vehicle Engine	25 HP	Machine Height	116" (2,946.4mm)
A6500105	High Cylinder Force, 415V	Horse Power		Heater Extended Width	189" (4,800.6mm)
WEIGHTS		POWER		Heater Extended Height	152" (3,860.8mm)
Machine	21,000 lbs. (9,525.4 Kg)	Output Power	65 kVA	SHIPPING DIMENSIONS	
Spreader Bar	1,000 lbs. (453.6 Kg)	Plug type	125A, 4 Pole, 5 Wire	Length	211" (5,359.4 mm)
20" - 48" Heater Heater	600 lbs. (272.2 Kg)	Plug type	200A, 4 Pole, 4 Wire	Width	102" (2,590.8 mm)
48" - 65" Heater Heater	713.5 lbs. (323.6 Kg)	Facer	Hydraulic	Height	114" (2,895.6 mm)
Facer	1,200 lbs. (544.3 Kg)	CHASSIS		INCLUDES Fusion machine, 63.51" OD inserts, facer, 48" and 65" heaters, and lifting assembly.	
Shipping Weight	24,550 lbs. (11,135.7 Kg)	Frame	Welded steel construction		
HYDRAULICS		Brake	Mechanical		
System Pressure	3,000 PSI (206.8 BAR)	MOBILITY			
Fusion Pressure	3,000 PSI (206.8 BAR)	Mobility Type	Tires - 8.25 - 15LT High Load Rating		
Hydraulic Reservoir Capacity	35 Gallons (132.5 Liters)	Transportation	Pulled via towing ring		
		Lifting	Lift points and lifting assembly		