

# 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



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## SPECIFICATIONS

| MODELS                       |                           | ENGINE  |                                     | MOBILITY   |                                      |
|------------------------------|---------------------------|---|-------------------------------------|--|--------------------------------------|
| <a href="#">A6500103</a>     | High Force, 240V          | Vehicle Engine Horse Power                    | 20 HP                               | Mobility Type  | Tires - 8.25 - 15LT High Load Rating |
| <a href="#">A6500105</a>     | High Force, 415V          |   |                                     |  |                                      |
| <a href="#">A6500102</a>     | Medium Force, 240V        | Vehicle Engine Horse Power                    | 25 HP                               | Transportation   | Pulled via towing ring               |
| <a href="#">A6500104</a>     | Medium Force, 415V        |   |                                     |  |                                      |
|                              |                           | Engine Fuel Type                              | Electric                            | Lifting  | Lift points and lifting assembly     |
| WEIGHTS                      |                           |   |                                     | MACHINE DIMENSIONS   |                                      |
| Machine                      | 21,000 lbs. (9,525.4 Kg)  | POWER   |                                     | Machine Length   | 204" (5,181.6mm)                     |
| Spreader Bar                 | 1,000 lbs. (453.6 Kg)     | Minimum Power Requirements                    | 65 kVA / 61 kW                      | Machine Width  | 102" (2,590.8mm)                     |
| 20" - 48" Heater Heater      | 600 lbs. (272.2 Kg)       | 48" - 65" Heater Heater                       | 220-240V, 38,437 Watts              | Machine Height   | 116" (2,946.4mm)                     |
| 48" - 65" Heater Heater      | 713.5 lbs. (323.6 Kg)     | 20" - 48" Heater Heater                       | 380-415V, 38,437 Watts              | Heater Extended Width  | 189" (4,800.6mm)                     |
| Facer                        | 1,200 lbs. (544.3 Kg)     | Facer   |                                     | Heater Extended Height   | 152" (3,860.8mm)                     |
| Shipping Weight              | 24,550 lbs. (11,135.7 Kg) |   |                                     | SHIPPING DIMENSIONS  |                                      |
| HYDRAULICS                   |                           | Medium Force, 240V Input Voltage Requirements | 220-240V, 60 Hz, 3 Ph               | Length   | 211" (5,359.4 mm)                    |
| System Pressure              | 3,000 PSI (206.8 BAR)     | High Force, 415V Input Voltage Requirements   | 380-415V, 50 Hz, 3 Ph               | Width  | 102" (2,590.8 mm)                    |
| Fusion Pressure              | 3,000 PSI (206.8 BAR)     |   |                                     | Height   | 114" (2,895.6 mm)                    |
| Hydraulic Reservoir Capacity | 35 Gallons (132.5 Liters) |   |                                     | INCLUDES   |                                      |
|                              |                           | Plug type                                     | 125A, 4 Pole, 5 Wire Pin and Sleeve | Fusion machine, 63.51" OD inserts, facer, 48" and 65" heaters, and lifting assembly. |                                      |
|                              |                           | Plug type                                     | 200A, 4 Pole, 4 Wire                |  |                                      |
|                              |                           | Facer   | Hydraulic                           |  |                                      |
|                              |                           | CHASSIS                                       |                                     |  |                                      |
|                              |                           | Frame   | Welded steel construction           |  |                                      |
|                              |                           | Brake   | Mechanical                          |  |                                      |