

## GANTRY Crane Versatility for Tight Spaces!

Wellington, Ontario

To highlight the light weight of the eme GANTRY Cranes, the 4400M Model has an adjustable-height range of 66"- 90", 8' Beam, standard swivel-lock Casters, Locking Surround-Beam Trolley and padded Lifting Handles. This unit, completely assembled, weighs a mere 165 lbs and can be assembled in under five minutes.

### Problem:

Removal of a blower motor. Staff of the Wellington, Ontario WPCP needed to remove and replace a 900 lb blower motor that had failed. The room had piping in front of the area where the motor was located and had no equipment in the entire region that could access the location. Staff contacted eme to propose a solution that would allow maintenance, not just of this particular area, but of the entire Plant since the basement level and the outside tanks had motors and valves which also needed to be repaired.

### Solution:

eme staff determined that the eme Model 4400M aluminum GANTRY Crane with an 8-foot Beam would be ideal to allow both the removal and replacement of the blower motor, as well as access the sub- basement motor gallery. An additional 12-foot Beam was recommended to allow the removal of outside valves, as well as for loading and unloading service vehicles in the main Garage.

### Results:

2 maintenance mechanics removed the eme GANTRY Crane from the F-150 pickup truck in which it was delivered, rolled the GANTRY into the blower building in three pieces, and assembled the unit in five minutes. The unit was raised in two minutes to a height which allowed the top of the Beam proper clearance under the piping in the roof. The GANTRY was manoevered into position by lifting and lowering the blower motor several times and then lifting one Leg assembly of the GANTRY Crane over the entire blower assembly. The blower was then picked up from the floor and rolled along the Beam on the Beam Trolley into the desired position, lowered and bolted into place.

The entire process took 10 minutes once the GANTRY Crane was assembled. This GANTRY Crane will also be utilized in the new WPCP being designed for the Town of Picton.

