

# Heavy Equipment for Construction Operations

Ground work in construction projects requires a slew of different machines, depending on the job. Below are a few different types of heavy equipment machinery commonly used in construction and mining.

## BULLDOZER

### FEATURES:

Tracks that allow for traction on any terrain, blade on the front of the tractor, sometimes have an attachment on the back known as a ripper



\$64K TO \$1.3 MILLION NEW



POWER: 80 TO 1150 HP

### PRIMARY FUNCTIONS

Pushing large quantities of dirt, rocks, sand and other debris



### WEIGHT:

17,500 to 230,000 pounds, depending on size and attachments

## HYDRAULIC EXCAVATOR

### FEATURES:

- Bucket for loading and excavating
- Crawler tracks that grip terrain
- Cab that rotates 360 degrees



\$100K TO \$500K NEW



POWER: 95 TO 530 HP

### PRIMARY FUNCTIONS

Moving earth and other debris from one place to another; digging, excavation; moving pipes and digging trenches.



### WEIGHT:

Varies depending on the model, up to 190,000 pounds

## MOBILE CRANE

### FEATURES:

Features vary depending on type of mobile crane



Varies from a few thousand to upwards of \$1,000,000 depending on model and condition



POWER: LIFT POWER VARIES BY SIZE AND MODEL

### PRIMARY FUNCTIONS

Moving, raising and lowering heavy materials



### WEIGHT:

10 to 300 tons, depending on the model

## WHEEL LOADER

### FEATURES:

Wheels instead of tracks, sharp edge on front for cutting, articulated steering for better maneuverability. Large bucket for transporting and loading material



\$64K TO \$1.3 MILLION NEW



POWER: UPWARD OF 200 HORSEPOWER

### PRIMARY FUNCTIONS

Loading material such as dirt and rocks for transporting.



### WEIGHT:

45,000 to 230,000 pounds, depending on size and attachments

## LATTICE BOOM CRANE

### FEATURES:

Arm/boom raised and lowered by series of guy wires,, tracks that tread terrain



Anywhere from \$5,000 to upwards of \$1,000,000 depending on condition and model.



POWER: Lattice boom cranes have varying lifting power up to around 3,500 tons

### PRIMARY FUNCTIONS

Lifting, moving and lowering extremely heavy objects



### WEIGHT:

Up to 1,760 tons

Interested in a career in heavy equipment?



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