Mini Crusher

Highly mobile & highly functional

ENGINEERING THE FUTURE OF ROBOTICS

NATIONAL ROBOTICS ENGINEERING CENTER
A small, rugged & versatile robotic platform

Design Features

- 30 inches long x 20 inches wide x 12 inches high
- 125 lb weight
- 1,200 cubic inch, 100 lb payload capacity
- Convenient power port in payload bay
- Commercial, off-the-shelf lead-acid battery
- Sturdy, modular construction
- Designed for mass production and easy maintenance
- Can be scaled up to larger sizes

Capabilities

- 15 mph top speed
- Climbs slopes of 40° or more
- Excellent stability in rough terrain
- Wide variety of applications

- Extremely mobile in rough terrain
- Large payload capacity
- Very stable and controllable at high speeds
- Potential uses include mine mapping, research, first response, industrial monitoring, explosive ordnance disposal, reconnaissance, surveillance, and work in hazardous environments

The six-wheeled Mini Crusher easily tackles gravel and other challenging terrain and literally turns on a dime.

Each modular wheel unit contains an independent drive motor, suspension, and gear box.

A large, open bay and 180 square inch wings accommodate many different payloads and sensors.

A removable battery pack is the only component located within the hull.