



Dozer

Clearing the way

Key Features

- Standard API for third-party integration.
- Unrivaled machine learning architecture leveraging reinforcement learning
- Articulated front blade
- Extreme terrain autonomous navigation with object detection and collision avoidance
- Built-in behaviors to avoid unsafe operation beyond max specification
- Turn-key system, establishes its own network to operate and transmit data to the remote supervisor
- Operates in comms and GPS-denied environments

The Dozer bot is the latest in rugged, autonomous technology and is being deployed in mission-critical use cases across several industries. It uses a sturdy blade on its front to push soil, sand, snow, rubble, rock, and other loose material out of designated areas. Artificial intelligence capabilities allow the bot to communicate immediately and pair with others to combine important collected data.

Smart & Customizable

The Dozer bot is teachable and can share in sensor data aggregation allowing it to learn from humans and other robots. It is customized to your specific needs. Its height, material, and blade are crafted based on the material present in your collection area.

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Built Strong

The Dozer bot can handle working in extreme environments and tight spaces. It has a powerful design for all-terrain mobility, suspended platforms, high torque motors, and a sturdy durable blade.

Works Well With Others

We are developing a new generation of sturdy AI-powered robots that enable multi-robot swarm behaviors and collective intelligence. All our robot species can be assembled from industrial-grade modular units sharing common power, data, intelligence, and sensing architectures.

Supervise Instead Of Operate

Our robots are fully autonomous with intuitive interfaces to define and customize behaviors. Users monitor each robot's progress in a purely supervisory role, as opposed to remote operation with real-time or frequent intervention.

Training & Support

We're here for you. Product training options are available. Every one of our robots comes with a one-year standard warranty. We also offer support through our OffWorld Care subscription.

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Items

Specifications

Dimensions	200 cm L x 125 cm W x 75 cm H
Dry Mass	400 kg
Mobility	2 m/s max speed Zero-turning radius Over 3 kN of push force
Power	All electric 20 kWh Battery module swapping capability 4h+ continuous operations
Environmental Rating	20°C to 40°C (-20°C to 60°C range feasible upon request) 5-95% RH (non-condensing) IP65 (IP68 for dust-tight and water immersion available upon request)
Sensor Suite	RGBD camera (360° surround view, payload facing camera) Industrial stereo cameras Adaptive dozing speed based upon sensed material to be moved
Front Blade	Custom width (1.5m default) Full articulation Autonomous material identification and movement algorithms Abrasion resistant steel for high longevity
Safety	Emergency stop, headlights all around the bot, warning/information lights, audio alarms on remote controller, steel plate to protect against rocks
Features	Turn-key system inclusive of robot and remote operator equipment. Full suite survey software capability (offline/real time planning, autonomous execution, instant data analysis and reporting)

Company Overview

- Deployed the world's first autonomous excavation robot in an operating mine
- Integrated novel microwave technology for weakening and preconditioning materials
- Multi-year contracts with top-tier mining companies
- We reduce the carbon footprint of heavy industrial applications
- Adapting our universal robotics platform for applications in the space sector
- First company to have mining development contracts on two celestial bodies
- ISO 9001 Certified

Now accepting orders.
For inquiries, contact
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**Robot design and specifications are subject to change.*

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