



DTI

Dragan Technologies Inc.



Of Excellence!



DTI

Dragan Technologies Inc.

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DTI

Dragan Technologies Inc.

DTI is celebrating!!!

- **20 years!**
of quality products and service, backed by a skilled and talented DTI team of engineers, programmers, designers and highly skilled production technicians.
- **ISO certification** ISO 9001
Our quality control procedures and documentation assures that you receive consistent quality and workmanship for your product.
- **Growth!**
Growing and expanding our technological expertise and service for a quality product.

Expanding our manufacturing facility to accommodate our global growth.



DTI's headquarters Winnipeg, Manitoba, Canada (a North American Central Hub).

OUR FACILITIES.

Headquarters and manufacturing plant are located in Omands Creek Industrial Park, Winnipeg, Manitoba, Canada (near Winnipeg's Richardson International Airport-YWG).

- 25,000 square feet of office and manufacturing space.
- Manufacturing and assembly facility (expanding).
- Large research and development area to accommodate heavy equipment and machinery.
- Wiring harness layout and assembly tables.
- Testing facility.
- 3D printing.
- Decals and overlays manufacturing.
- Large in-house 6 colour printer, capable of printing on most materials and curved surfaces.
- Machine shop for tooling and building prototypes.
- Cast polymer custom potting and molding facility.
- Braiding, cutting, stamping, taping and labling equipment for electrical harnesses.
- Overhead crane.
- Product and inventory storage.
- Loading docks, lift gate and ground level access.
- Security - video surveillance inside and out.
- Boardroom/Training.





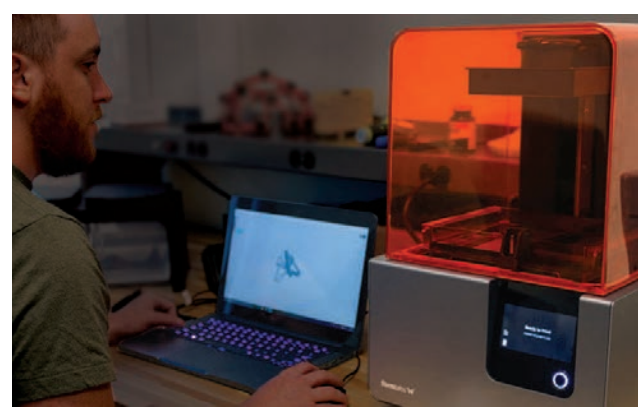
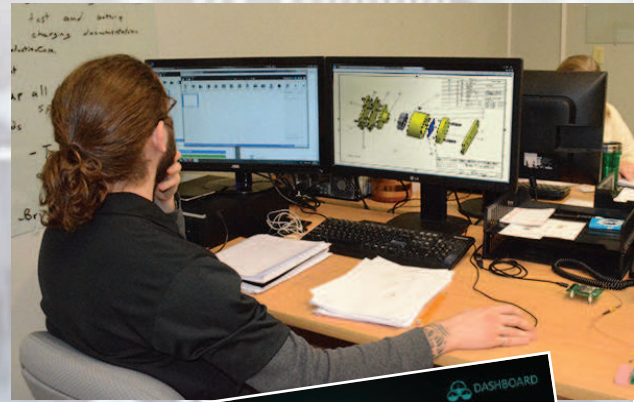
ENGINEERING

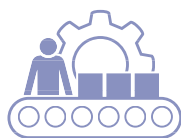
_electronics _mechanical _electrical _programming

DTI's innovative engineering team will solve your problem, develop a product to meet your needs and budget. Our team of electrical, mechanical, and programming experts will increase accuracy, safety, proficiency, and profitability for your project.

DTI's progressive team is hands on to tackle the most complex of problems; analyzing, troubleshooting, researching, testing, and production of your project.

- Electrical devices and system designs
- Electronic device design and development.
- 3D printing and modeling.
- Industrial controls.
- Software design and development (PC, Android, IOS).
- Software integration and interface with new, or existing systems.
- System design, development, and integration.
- Research and testing
- Product upgrading to address environmental conditions.
- Mechanical design and engineering.
- Mobile application design and integration.
- RF and WiFi product and system design and integration.
- GPS positioning design and integration.
- Autonomous design and integration.
- Laser distance measurement and positioning.
- Monitoring systems, design and integration.
- Graphic UI (user interface).
- Analytical reports and documentation.
- Technical communications; assembly, operator's, and installation manuals.





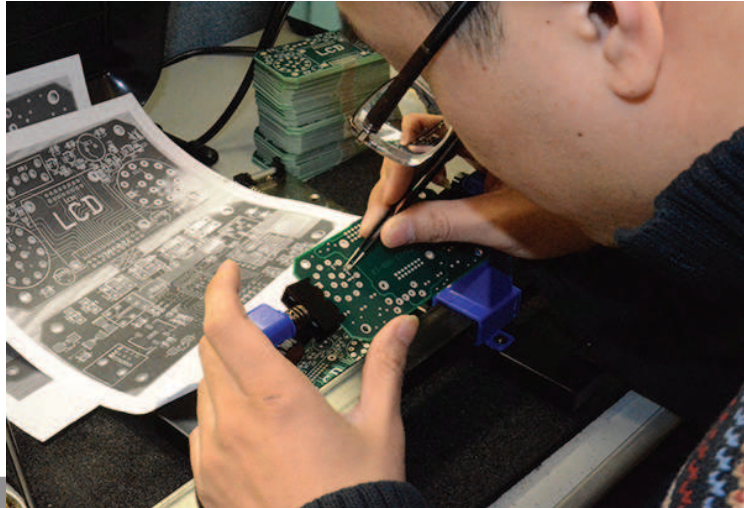
PRODUCTION
_assembly _harnesses _potting
_braiding _printing _soldering

DTI's skilled production team produce the highest quality products for demanding conditions.

Extra enhanced upgradings to meet a demanding and extreme working environment.

We call these upgrades "**RUGGEDIZING**".

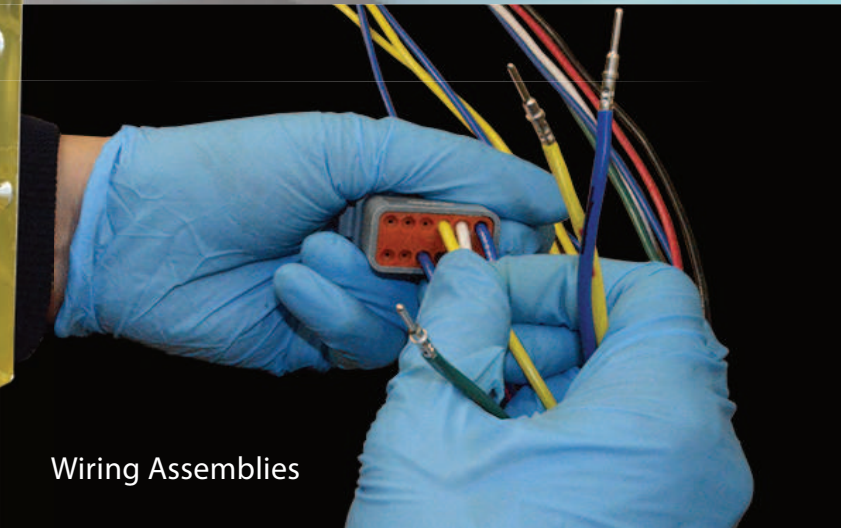
- Assembly.
- Potting.
- Custom circuit board manufacture.
- Structurally enhanced enclosures.
- Heavy duty polyurethane and rubber molding.
- Secure soldering and electrical connections.
- Electrical Harness braiding or loom.
- Water and dust proofing.
- Quality workmanship.
- Service and repair.



Ploymer Potting



Low Volume
Polymer Moulding

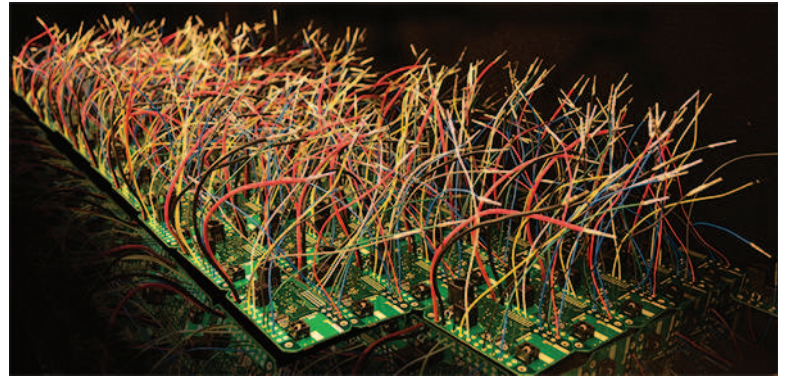


Wiring Assemblies

OEM • CUSTOM DESIGN

Quality OEM products manufactured to your specifications:

- Electronic components and systems.
- Mechanical parts.
- Sub-assemblies.
- Electrical components and systems.
- Wiring harnesses.
- Decal and label printing.
- Potting and moulds (polyurethane foam, silicone and rubber).
- Custom cast moulds.
- ISO 9001 certification for quality assurance.

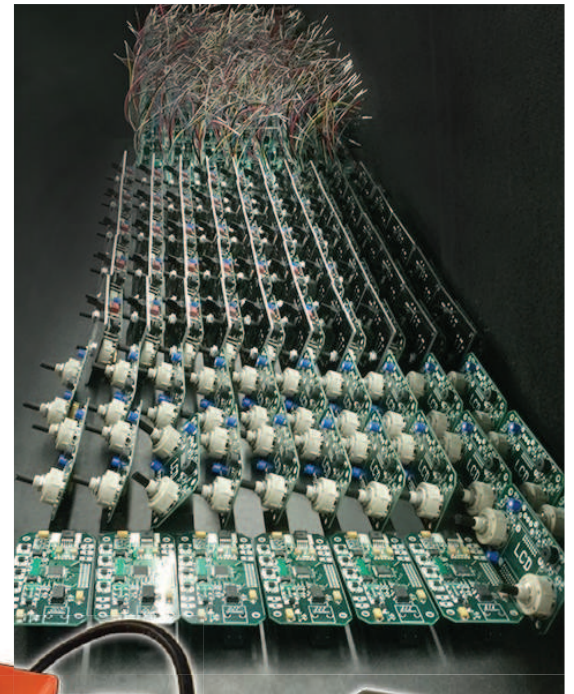


CUSTOM DESIGN

DTI's innovative R & D team will design and develop products and systems that integrate easily into your existing or new machinery.

Our 3D printers produce accurate and quick prototypes for molds, dies, or design discussion.

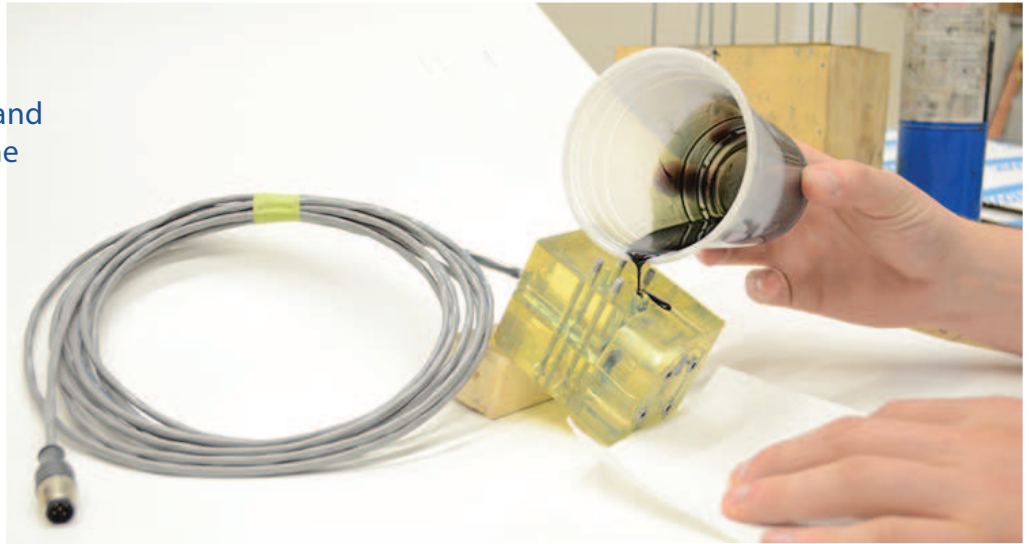
- Electronic (components and systems)
- Electrical (components and systems)
- Mechanical (components and systems)



POLYURETHANE

DTI's custom cast polymers (silicone and polyurethane mold rubbers) are of the highest quality offering degrees of flexibility, hardness, and durability.

- Quality parts manufactured to your specs.
- Quick turn around of your order.
- Quality and skilled workmanship.
- ISO 9001 ensures a quality product.



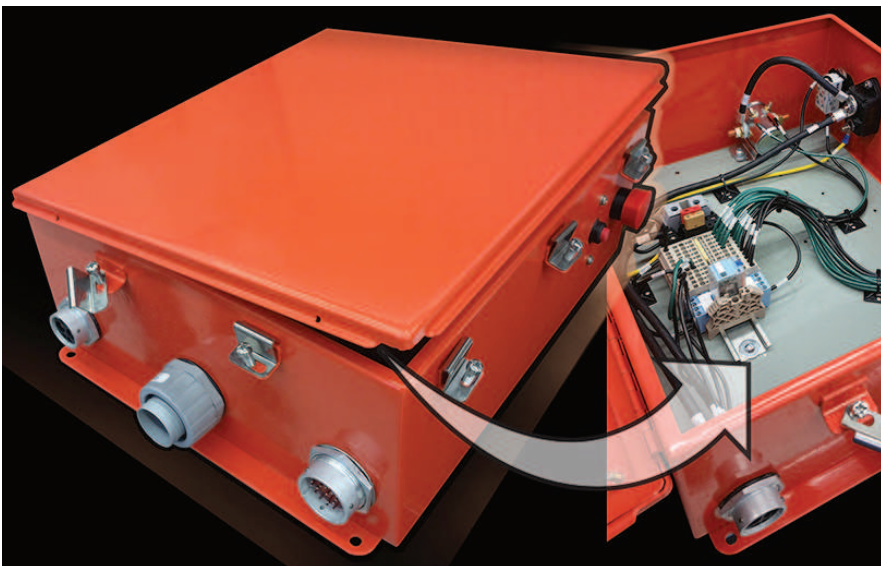
CONTROL CABINETS

DTI manufactures and assembles OEM control cabinets and controls to meet harsh operating conditions.

- Strong and durable metal cabinets. (Standard or custom dimensions).
- Dust and water proof rated.
- Quality custom features manufactured to your specs.
- Excellent workmanship.
- Quick turn around of your order.
- Small Qty. Certification.
- ISO 9001 ensures a quality product.



Custom and OEM Production



Integrated Control Panels

CABLE HARNESSES

Quality OEM products manufactured to your specifications:

- Wiring harnesses.
- Electrical components and systems.
- Braided cable harnesses available in various materials.
- Plastic loom.
- Secure industrial connections.
- ISO 9001 certification for quality assurance.
- Water tight conduit.
- Composite cables (Multiple cables plus individual wires moulded in the PVC jacket).
- OEM contract manufacturing.



INDUSTRIES WE WORK WITH.

DTI works closely with various companies resolving technical problems, developing custom requests, improving and producing quality products, systems, and OEM products and sub-assemblies.

SURFACE MINING

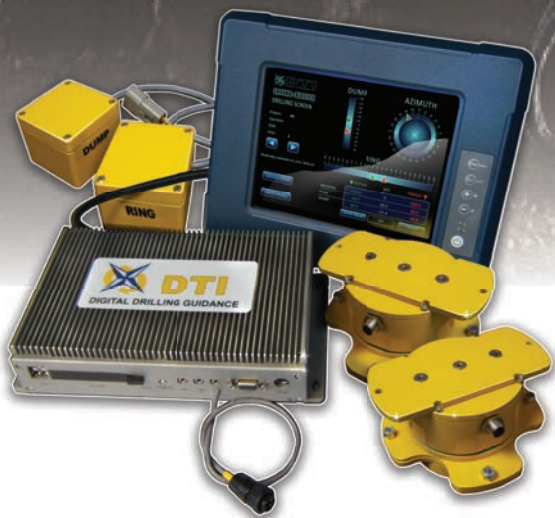
- Alignment blast-hole patterns.
- Drilling data indicators.
- Mobile Android-based control and remote monitoring systems.
- Accurate compound angular drilling and positioning.
- Drilling Depth (laser distance measurement).
- Drilling data management (Data-logging).
- RF and WiFi systems.
- Sensors.
- Remote access to the drill's control system.
- "Pipe-In-The-Hole" safety interlock system.
- Critical tilt alarm devices and systems.
- Auto-Level control systems.
- Remote monitoring (Mobile Networks).
- Ruggedized joystick controls.
- Rotary head health monitoring for preventative maintenance.



INDUSTRIES WE WORK WITH *(continued)*

UNDERGROUND MINING

- Laser Row Alignment for blast-hole pattern development.
- Angular alignment and positioning.
- Mobile Android-based control and remote monitoring systems.
- Electronics and Electrical controls.
- Control Panel assemblies.
- Sensors.
- “Ruggedized” joysticks and controls (water and dust proofing).
- Wireless Jumbo alignment system.



INDUSTRIES WE WORK WITH

CONSTRUCTION

DTI produces electronic angle devices for producing and monitoring difficult compound angles where accuracy is required for precise “blast patterns” and “positioning”.

For added accuracy DTI produces “laser distance measurement systems”.

AngleBlaster: DTI’s patented technology produces perfect drilling patterns. No need to precisely position the drill DTI’s AngleBlaster System monitors and calculates corrections “*On the Go*”.



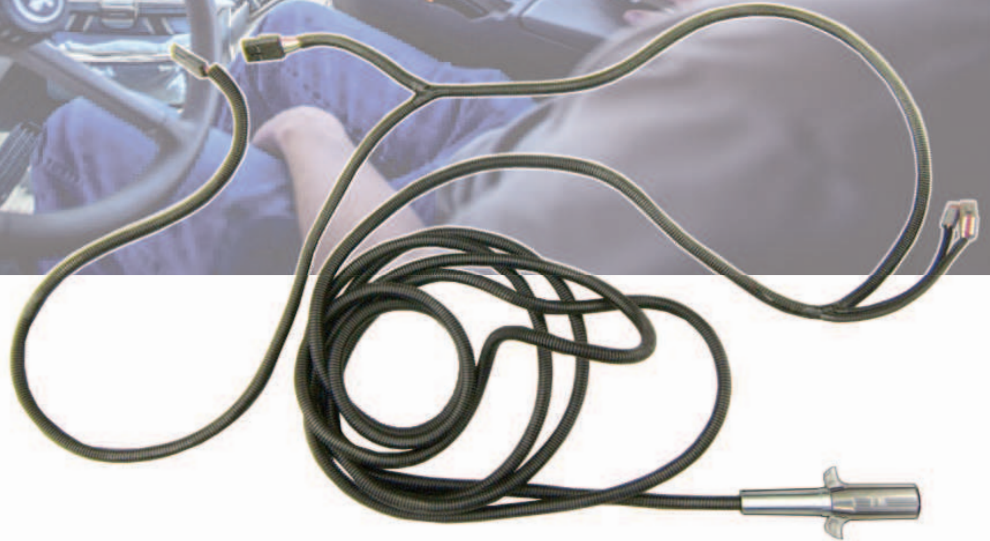
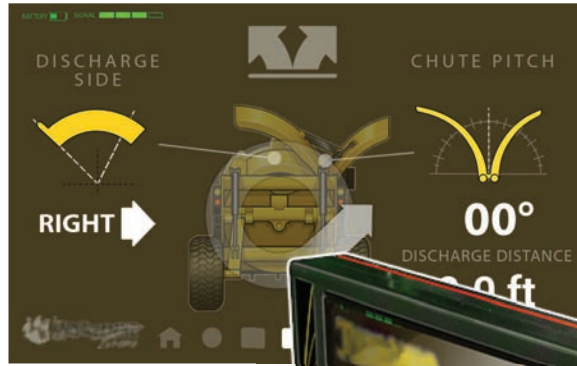
DTI’s AngleBlaster’s blasting results. All holes are parallel and in the same plain.



INDUSTRIES WE WORK WITH

AGRICULTURAL

- Remote access to machinery control systems.
- Seed control and monitoring.
- Wiring harnesses.
- Sensors.
- Process monitoring system.
- Spreader volume control.
- Seed volume control
- Weight control/count
- Linear leveling and monitoring.
- Research and development.



DTI PRODUCTS

DTI develops and manufactures a wide range of products and systems for various industries. With minor adjustments DTI technology and products transfer from one industry to another meeting the different demands.

DTI "RUGGEDIZED" products are built and enhanced for demanding and extreme environmental operating conditions.

All DTI products and systems are designed to easily integrate and interface with existing, or new machinery.

SURFACE MINING PRODUCTS

- Laser alignment.
- RF (radio frequency).
- Sensors.
- RF tachometer (radio frequency).
- Drilling alignment.
- Depth monitoring.
- Data acquisition.
- GPS positioning.
- Wiring harnesses.
- Control panels.
- Displays.
- Joystick controls.
- Critical tilt alarms.
- Pipe in hole alarm.
- Rotatory head health monitoring.
- LED industrial lighting.
- Remote monitoring and access.
- Critical tilt alarms.
- Mobile android applications.
- All DTI systems available as Retro-Fit.





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UNDERGROUND MINING PRODUCTS

- Laser alignment.
- RF (radio frequency).
- RF tachometer (radio frequency).
- Drilling alignment (dual axis).
- Depth monitoring.
- Data acquisition.
- Wiring harnesses.
- Control panels.
- Displays.
- Joystick controls.
- Critical tilt alarms.
- Pipe in hole alarm.
- Rotatory head health monitoring.
- LED industrial lighting.
- Remote monitoring and access.
- Critical tilt alarms.
- Mobile android applications.
- Sensors.
- All DTI systems available as Retro-Fit.



SAFETY SYSTEMS

DTI provides safety equipment to lessen injuries and costly damage to property or equipment equating to less down time.

DTI designs and develops electronic Safety Devices and Systems that allow, or deny access to machinery, equipment, or jobsites.

SDTI safety systems detect and alert of obstacles or human presence in a range of 360 degrees at night or other poor visual environmental conditions.

- Human presence detection.
- Obstacle detection.
- RF Identification protection / alarm.
- Safety barrier systems.
- Wireless Remote Switch (No Batteries Required).





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SENSORS

DTI designs, develops, and builds a wide range of rugged heavy duty sensors to meet the needs of harsh industrial conditions.

- RPM smart sensors (analog output)
- Temperature sensors.
- Tilt sensors.
- Linear sensors.
- Proximity sensors (non-magnetic).
- Pressure sensors.
- Moisture sensors.
- Doppler-radar sensors.
- Tilt switch sensors.



• Linear



• RPM



• Proximity



• Temperature



• Tilt

• HVAC Air Pressure



• Low PSI Air Pressure (Air Seeder Blockage)

LED Industrial Lights

DTI offers a wide range of heavy duty, high efficiency LED lights for every lighting situation: Mining, Agriculture, Forestr, Construction, Marine, Factory, and Off Road.

- Safety; Luminate work areas to avoid hazardous and dangerous situations.
- Security.
- 8 to 60 VDC.
- Low power consumption with high efficiency output. New Gen Cree LED is 90% efficient.
- Long Life and durability equates in lower maintenance.
- Compatible with various power sources to intergate into existing or new systems. Complies with the following standards: IEC 61000-4-29, IEC 1000-4-5, IEC 1000-4-2, IEC 1000-4-4
- Waterproof and Dust proof rating of IP68 (submersible underwater up to 1.1 meters for 24 hours).
- Aluminum die cast housing with extrusions for excellent heat sink.
- Contains No mercury, lead or other heavy metals for a friendly environment.
- Stainless steel mounting brackets for multi-axis positioning.
- Custom brackets and connectors.
- Pulsing or permanent
- Custom colours

Light bars are available up to a width of 60 inches.





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TERRA PS100

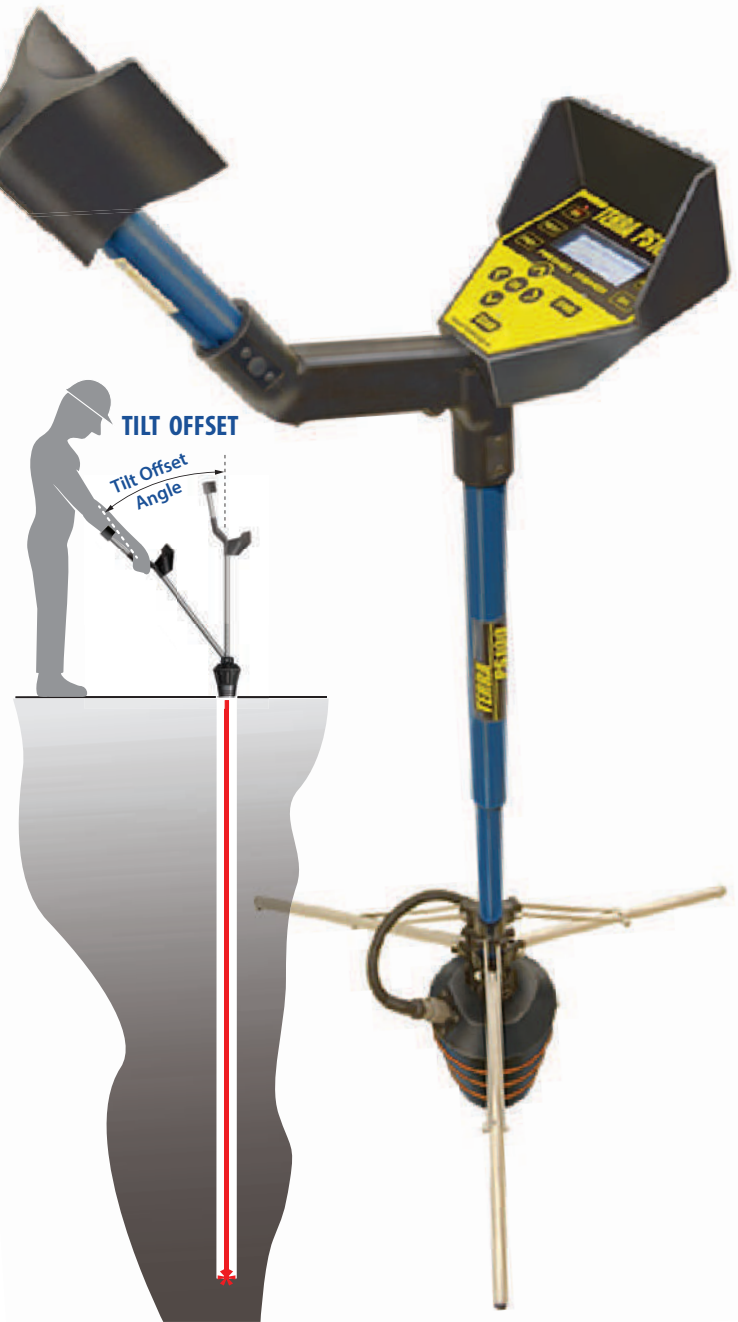
PORTABLE SCANNER FOR BLAST HOLE INSPECTION

NEW!

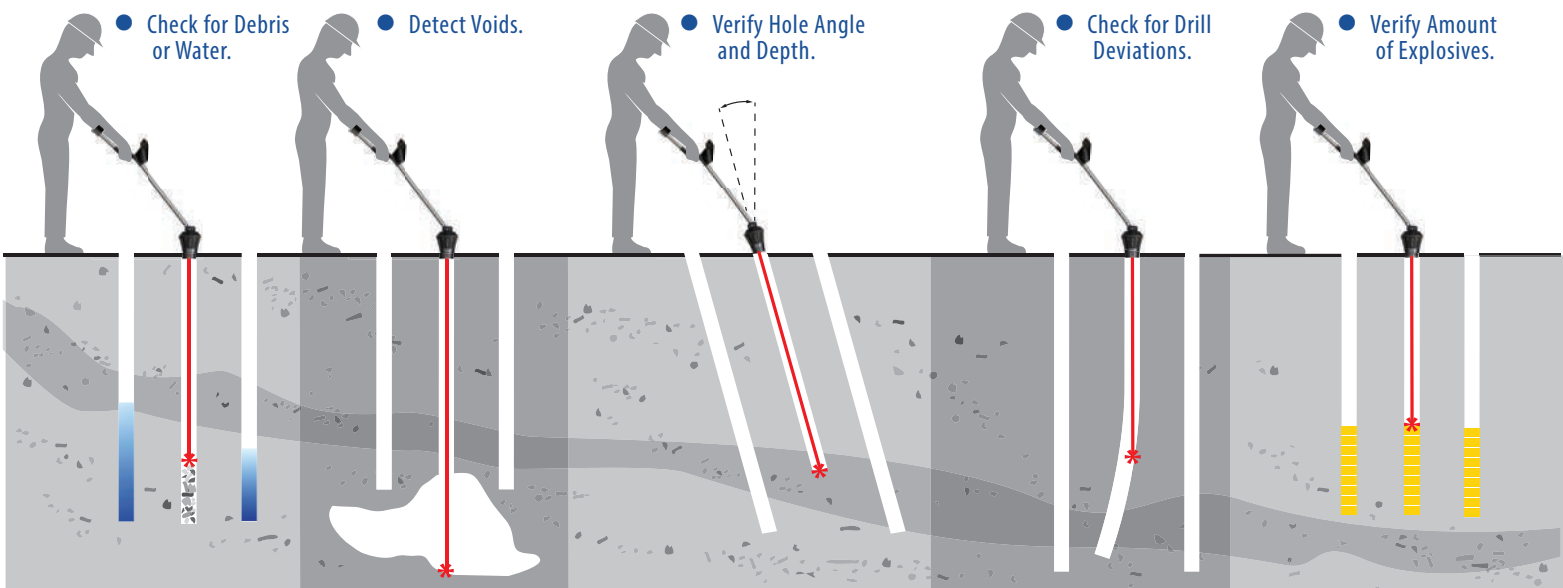
The **TERRA PS100** is a **Portable Laser Scanner** designed for accurate readings of several elements that help in detecting the blast hole's conditions.

Terra PS100 Easy to Use features:

- **Rugged & Tough** - Designed for Durability.
- **Tilt Laser Head** - Cone shape design seats and aligns into hole for accurate readings. Scanner Head fits into 4 to 14 inch hole.
- **Tripod** - Stabilizing tripod used for steady and accurate readings.
- **Tilt Offset** - Compensates for angle while holding scanner.
- **Telescoping Extension** - Adjusts to individual user ergonomic features.
- **Arm Support** - For steady accurate readings and ease of carrying.
- **Display Interface** - User friendly navigation of functions.
- **Data Storage** - Stored readings: Project Names, Depths, Angles, Hole Names, Times, and Notes.
- **USB Port** - Data transfer and battery charging.
- **Chargeable Battery** - Rechargeable large capacity LI-ION battery designed to last. Charges via USB port.
- **WiFi Communication** - Data sharing, Intergration, Mobile Apps.
- **Industrial Grade Laser** - No eyewear protection required.
- **Project Creation Features** - Multiple scanning projects can be created containing thousands of stored hole readings.
 - User is able to add comments (Bad, Do Not Fill, Block, etc.) while scanning.
 - Project data is up-loadable to the blast charging equipment for the latest blast hole condition report.



USAGES:



TERRA DM

DEPTH MONITORING

The TERRA DM is a depth measurement system designed for accurate depth monitoring in both surface and underground drilling applications.

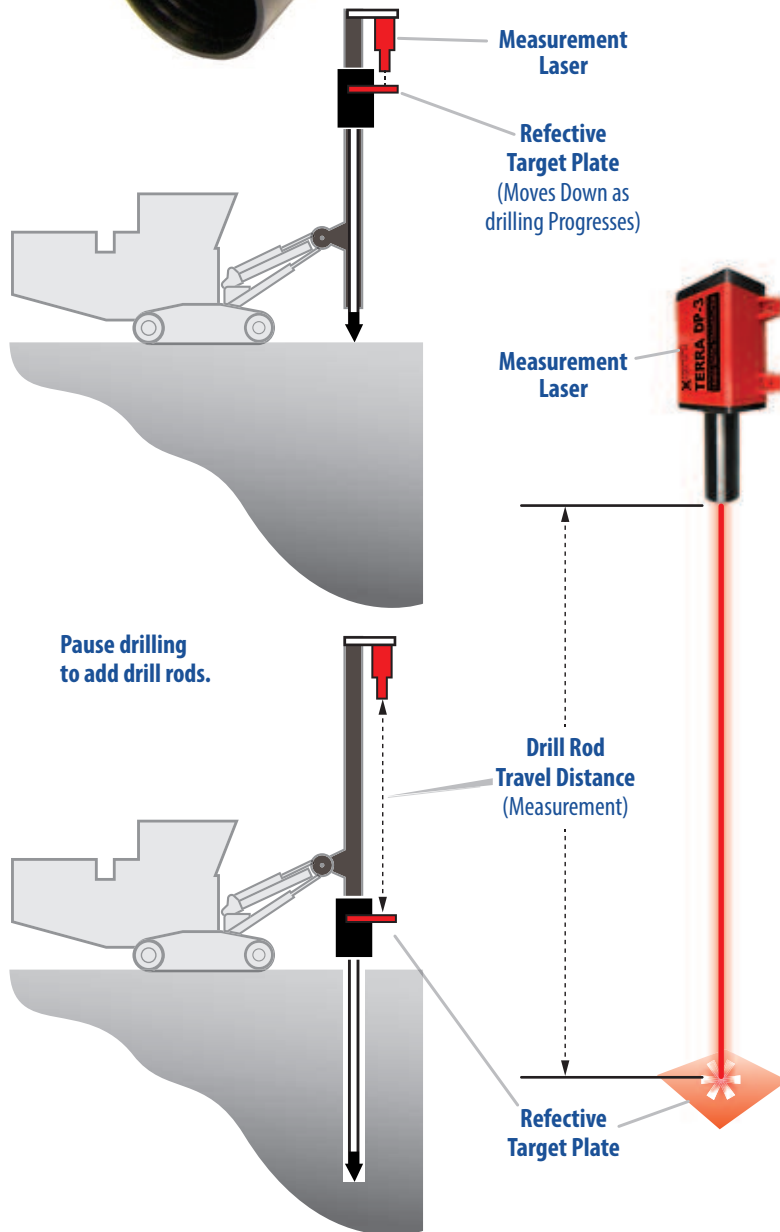
- System provides Real-Time Depth position for single or multiple rods.
- Operator sets Target depth with automated sound alarm and closed contact for automated stop when target is reached.
- System is designed for a retro fit installation, or as an OEM installation.
- Measurement Laser is protected in a shock resistant, heavy duty, polyurethane, dust and water proof housing.
- Data is saved and transferable to your lap top or computer via USB and Bluetooth.

TERRA DM Specifications:

Height:	5 in. (12.7 cm)
Width:	10.45 in. (26.5 cm)
Depth:	3.15 in. (8.0 cm)
Weight:	2lb. (880 g)

Laser Specifications:

Typical measuring accuracy for DTI-B-3	± 1.0 mm @ 2σ
Smallest unit displayed	1 mm
Measuring range on natural surfaces	0.5 to approx. 500 m
Diameter of laser spot at target at a distance of	8mm @ 10m
Max Measuring Rate	3Hz
Weight	6 lbs
Operating Temperature	-40°C +50°C
Repeatability typ.	+/- 0.3 mm
Laser red, visible	✓





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NO!
Batteries
Required!

TERRA switch

Wireless Remote Switch

TERRA switch remotely switches any number of receivers up to a distance of 100m (328 ft.) in a Clear Line of Sight.

Range can be increased and obstacles circum-navigated with optional relay antenna network.

Up to 32 Relay Antennas can be used to create a "Pier to Pier" network.

Scenarios for Use:

Mesh-Network could be used in many different configurations.

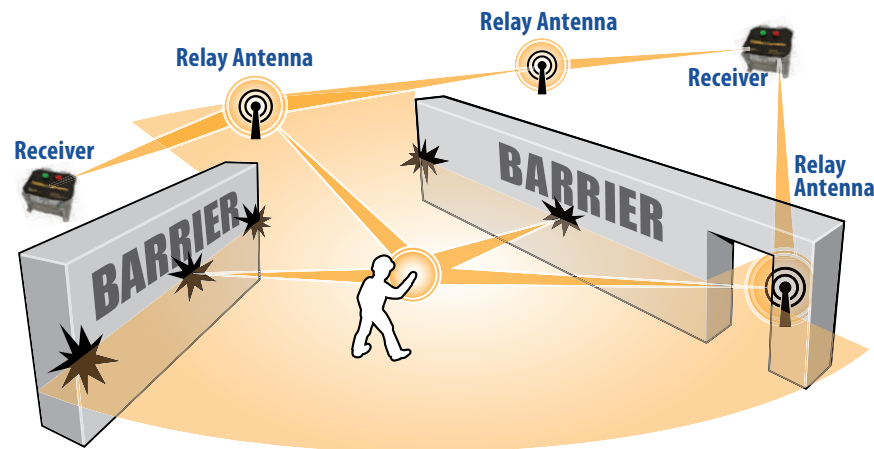
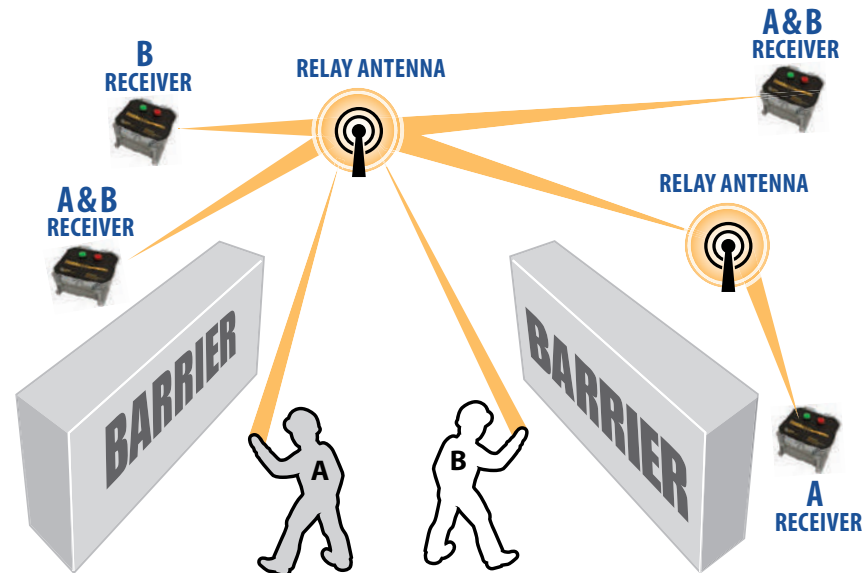
- Multiple users in "Only" mode are able to operate A and B receiver designated to them, but not others.
- Multiple users "in tandem" are required to activate designated receiver "A & B".

Features:

- Designed for rugged and harsh environments.
- The TERRA switch consists of two components, a transmitter and a receiver, communicating via a 2.4 GHz radio band (free licence world wide).
- Three hand held models available: Handle Grip, Block Grip, and Pull Switch.
- The TERRA switch is easy to install with virtually no maintenance costs.
- Dust and Water resistant IP67.
- No Batteries required. Wireless - signal always available.
- Switching: Momentary (On/Off), Latching, or Multistep contact.
- Programmable Receiver can be actuated by up to 32 transmitters.

Range:

- 100m (328ft) in unobstructed line of sight.
- Extend the range with optional relay antenna(s) virtually up to 3,400 ft.





CONTACT US

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