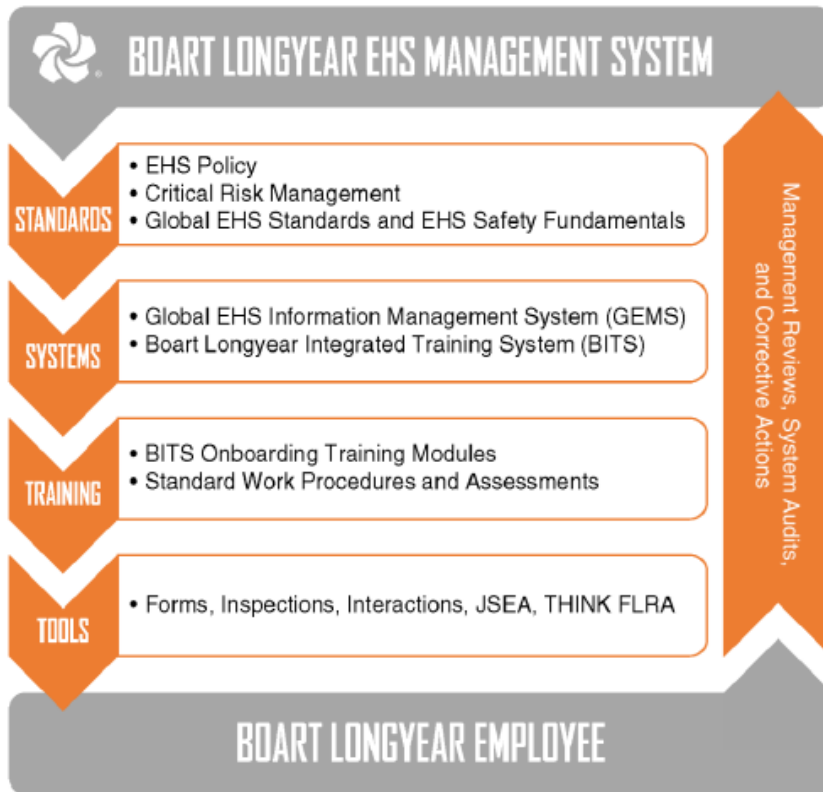




**TruCore™ One Product Overview**  
*Contains master slides: choose only the slides needed*



# Boart Longyear™ Safety



**THINK Program**

**Make it Personal Cards**

**Stop Work Authority**

**Golden Rules of Safety**

**Rules of the Road**

**Global EHS Management System**

**Global EHS Information Management System**

**In-Vehicle Monitoring Systems**

# Meet BLY Global



## EXPLORATION

UNDERGROUND »  
SURFACE »



## OPERATING MINE

UNDERGROUND »  
SURFACE »



## NON-MINING

SONIC »  
MULTIPURPOSE »



## INSTRUMENTATION

DOWN-HOLE SURVEY »  
CORE ORIENTATION »



## PARTS AND SERVICES

SPIN NETWORK »  
PARTS AND SERVICES »



## MY DRILL STORE

PURCHASE PRODUCTS ONLINE »

# Boart Longyear™ Core Principles



# TruCore™ One UPIX™ Kit



# TruCore™ Specifications



<b>SPECIFICATIONS</b>		
<b>CORE SIZES</b>		
BQ, BQTK, NQ, NQTK, NQ3, HQ, HQ3, PQ, PQ3, LTK60		
<b>DIMENSIONS</b>		
Kit	BQ	ONE N/H/P (Small case)
Length x Breadth x Height	546 x 420 x 203mm	399 x 272 x 99mm
Approximate Weight	12kg	9kg
<b>Down Hole Instrument</b>		
Outside Diameter	43mm	55.8mm
Length	408.5mm	275mm
Weight	2.2kg	2.8kg
<b>Handheld</b>		
Length x Breadth x Height	110 x 63 x 31mm	110 x 63 x 31mm
Weight	0.15kg	0.15kg
<b>ACCURACY</b>		
Range	0° to ± 85°	0° to ± 85°
Accuracy	5°	5°
Dip	±2.5°	±2.5°
<b>TEMPERATURE ACCURACY</b>		
Down Hole Instrument	Operating -30°C to + 80°C	Operating -30°C to + 80°C
Handheld	Operating -20°C to + 50°C	Operating -20°C to + 50°C
<b>DEPTH RATING</b>		
Maximum depth	4216m	4216m
Housing pressure	41.4MPa (6000psi)	41.4MPa (6000psi)
<b>BATTERY</b>		
Down Hole Instrument	User replaceable, Non-rechargeable lithium	User replaceable, Non-rechargeable lithium
Storage	Up to 10 years	Up to 10 years
Normal Use	3 months	4 months
Handheld	Rechargeable Lithium ion	Rechargeable Lithium ion
Normal Use	1 week per full charge	2 week per full charge

# TruCore™ One UPIX™ Kit Content

(5701277)



No:	Functional Description	Detail	Item Code	Qty
1	PELICAN FOAM CUT CASE		5701278	1
2	TRUCORE ONE BARREL		5701402	2
3	CAR CHARGER FOR HANDHELD		5008446	1
4	CORE MARKING LEVEL		5008436	1
5	GREASE (O-RING LUBRICATOR)		5700059	1
6	POWER CORD WITH COUNTRY ADAPTER	Euro, NA, Aus	5008445	1
7	SPARE O-RINGS SET (X 2 SIZES)	Battery Seal	5700863	2
		Barrel Seal	5700864	2

No:	Functional Description	Detail	Item Code	Qty
8	ALLEN KEY, M20		5008460	1
9	CERTIFICATION FOR BARRELS	1 Year Validity		1
10	USERS MANUAL			1
11	TRUCORE BATTERY, 0.9g LITHIUM	SDS Available	5000847	4
12	UPIX HANDHELD - MULTI-LANGUAGE	English, French, Spanish, Portugues	5701199	1
13	POWER PACK, HANDHELD CHARGER		5008444	1

# TruCore™ One Compact Kit



- Improved Ergonomics
    - Lighter and easier to manage
      - 9kg Vs (22kg NQ) (27kg HQ)
        - **Most mines have a 25kg limit for single carrier**
    - Better centre of balance
      - Reduced trips and falls
  - Reduced transport cost
    - Smaller weights and dimensions
  - Clean slim look (easier adoption)
  - Easy storage both on and off site
  - Press down release case latch for more secure handling
- Consumables have been removed from the kit
    - Improved cross board compliance
      - No items hidden on the export documents
      - Better withholding tax management
    - Improved Targeted pricing
      - Improved rental rates
      - Upfront cost awareness
      - Don't pay transport costs for items you do not need
      - Improved cost control
        - Invoice for the rental
        - Invoice for the consumables
        - Purchased items can be used on next rental
      - Only order for the specific core requirements with no latent invoicing
    - Standard stock management for consumables (Stores)



# TruCore™ Development & Testing



## PRE-LAUNCH TESTING HISTORY

- The tools were tested in a controlled field setting at a dedicated technology development site against other electronic core orientation devices and validated with a pencil tip core orientation tool to verify accuracy over a full range of dip angles from June to October 2015.
- Boart Longyear's drilling services contributed to further developing and testing the product throughout 2015. The tools have been operating successfully on client drill sites since 4Q2015.
- Tools have been tested in both hot and cold temperature extremes to verify functionality in all conditions.

## SUMMARY OF CONTROLLED FIELD TEST RESULTS



### ALIGNMENT STATISTICS

7% Missed orientations due to broken ground

93% Successful Alignments



### VISUAL CONFIRMATION

#### ◀ Note

White & Red marks from TruCore™ and other electronic tool in perfect alignment



*Boart Longyear dedicated test site*

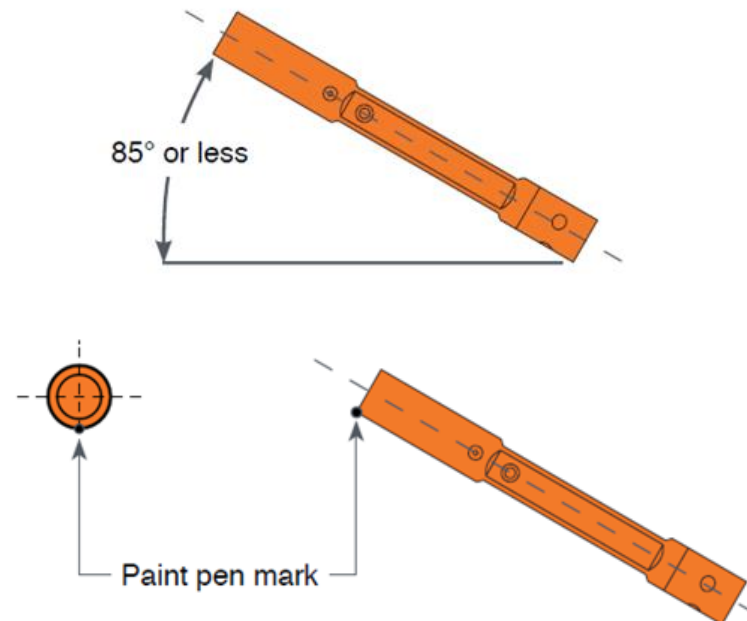
## CONCLUSIONS

**TRUCORE™** IS AS ACCURATE AND PRECISE AS ANY OTHER ELECTRONIC CORE ORIENTATION TOOL.



## ONSITE ACCURACY & PRECISION VERIFICATION

- All tools are routinely checked for accuracy and certified prior to leaving Boart Longyear facilities.
- A simple procedure can be used to verify tool accuracy either on-site or in the workshop without the need for specialized jigs or fixtures
- TruCore™ accurately & reliably orients core on dip angles ranging from  $\pm 85^\circ$ .
- The process involves taking 4 successive orientations at dip angles between  $0^\circ$  and  $85^\circ$ .
- A 'paint pen' is used to mark each simulated bottom hole position which is then matched to the electronic position indicated by the flashing LED lights.
- Once 4 successive alignments are complete, the tool will have been confirmed to be within the acceptable calibration limits.



**ACCURACY**  
AS CLOSE TO THE ACTUAL CORE  
ORIENTATION AS POSSIBLE

VS

**PRECISION**  
THE CONSISTENT REPRODUCTION OF THE  
ORIENTATION MEASUREMENT



Precise, but  
not accurate



Accurate, but  
not precise



Accurate  
and precise

# TruCore™ One Barrels



# TruCore™ One Barrels Design



- 1 Kit for 7 sizes of Core
  - NQ / NQTK / NQ3 / HQ / HQ3 / PQ / PQ3
- Olart wireless IR communication window
- Intuitive flashing light orientation system
  - Three colour guidance (B,G&R)
- Accuracy
  - Each tool comes calibrated and checked with precision measuring equipment, ensuring accuracy in all orientation and dip measurements
- Barrel is lighter than previous tools
  - TruCore One – 2.8kg
  - TruCore NQ -3.9Kg (1.1kg lighter)
  - TruCore HQ – 7kg (4.2kg lighter)
- “Shake and Wake©” feature
  - Tool has a built in Sleep Mode that can be set in “Setting” on the handheld.
  - Simple activation through rigorous movement or stops
  - Saves battery life during operation
    - Less maintenance breaks
- Square barrel for better hand grip in greasy conditions
  - Improved inner tube handling
    - Square grip stabilizes C/B when carried
    - Thinner grip point for N,H & P barrels
- Onsite battery replacement
  - Don’t return the kit, replace the battery
- Made from stainless steel
  - No erosion ensure lasting quality

# Operational benefits of the TruCore™ Barrel design



- 4 Window, 360° perpendicular view
- Remote supervision possible with 360° flashing lights
  - Direct sunlight (10m+)
  - Dim conditions (Direct Line of sight)
  - Dark conditions (Indirect line of sight)
- Three lights per tool – Blue, Green & Red
  - Tool identification
  - Orientation confirmation
- Can be activation after assembly
- Lighter Barrel
  - Reduction in mass impact
  - Easier to handle and manage
  - Reduction in hand injury
- Improved Ergonomics
  - Comfortable standing position during orientation
- Single assembly system (maintenance breaks only)
  - Massive reduction in Orientation cycle time (**No Orientation M&B**)
  - Huge reduction in potential hand injuries (**No M&B hand tools used**)
  - Reduction in onsite fatigue
  - Reduction in thread ware
    - Cost saving on consumable
    - Reduced miss management like cross threading
    - Reduced downtime in maintaining the core barrel
    - Reduced potential for grit damage
- 1 Kit for 7 Core sizes
  - Less kits on site
    - Lower rental cost per Rig
    - Reduction in capital risk
    - Reduced storage requirements on site

# TruCore™ Handheld





- **Palm and Pocket friendly**
  - Light and small which fits in your shirt pocket
  - Easy to manage on site
  - Easily accessible
- **Glove friendly 3 button operation**
  - One hand operable
  - No need to remove gloves
- **Robust Handheld Case**
  - General knock and drops
  - Water Resistant
  - Small display minimize cracked screens
  - Available in Steel for extreme conditions
- **Bold digital Display with Back Light**
  - Easy to read
  - Visible in all light conditions
  - Easy focus design that reduces Eye Strain
- **Wireless Communication Window**
- **Three sensory communication**
  - Visual - Flashing lights in some stages
  - Sensory - Vibration
  - Auditory - Beeping
- **Up to 3 Months Battery Life**
  - Desktop charging doc
  - Car Charger
  - USB Charger
- **Multi Language Handheld**
  - English
  - French
  - Portuguese
  - Spanish
- **Auditable data Trail**
- **USB Port for downloading Data**

# Handheld Operational Benefits



- **Built in Process Logic**
  - Reduced user Error (**distractions and operational stops**)
  - Orientational guidance during shift change
  - Reduces need for onsite training
- **One Button Orientation process**
  - The other 2 buttons for “handheld setting”
- **Operations become handheld Central**
  - Driller is free to move around during marking and orienting of core
  - Driller can confirm core orientation once marked
  - Recall Dip remotely
- **Driller deployable**
- **Accurate Dip display after each orientation**
- **Minimum distraction from production drilling.**
- **Better Ergonomics**
  - Wireless communication means no bending is needed
  - Only have to point handheld to the Olart to retrieve information
- **Handheld and barrels are interchangeable**
  - Handhelds and tools can be swapped out if problematic
  - Reduced loss in Audit trail if barrels need maintenance
- **Reduced orientation time cycle (up to 10min)**
- **Double Core Confirmation**
  - “Confirm Ori” reduced the risk of orientations being lost or core being miss marked.
- **Simple design reduces personnel requirements on site**



# Touch and feel -Get Tools Working (Time and Motion)



	Active Handheld(hold 3sec)	Activate Blue Tool - Step A	Activate Blue Tool – Step B	Blue Tool Synchronized	Mark Blue Orientation - Step A	Mark Blue Orientation – Step B	Activate Green Tool – Step A	Activate Green Tool – Step B	Handheld, Blue Tool and Green Tool Synchronized
<b>Handheld Display</b>	(Display off)	Turn On Tool?	Point to Tool	Blue Running	Mark Blue?	Keep Stable... Wait	Turn On Green (HH –Flashing)	Point to Tool	Both Running
<b>Handheld Action</b>				(No Action)		Flash, vibrate and Beep			
<b>Blue Tool</b>	“Shake & Wake©”	Standby Mode	Tool –Flash Blue /HH Vibrate & Beep	Send tool DTH - Drill	Keep Still (±30Sec) before Core Snap	Pull the Core barrel	Pulling Blue Tool	Pulling Blue Tool	Surface
<b>Green Tool</b>	Sleep Mode	Sleep Mode	Sleep Mode	Sleep Mode	Sleep Mode	“Shake and Wake©”	Standby Mode	Tool –Flash Green /HH Vibrate & Beep	Send Tool DTH – Drill
	4sec	3sec	5sec	2sec	8sec	Up to 1min	8sec	3sec	

Expected Cycle Time – 48 sec

# Touch and Feel - Mark the Core (Time and motion)



	Find Blueori Function – Step A	Find Blueori Function – Step B	Orienteate Core – Rotate	Mark Core	Confirm Ori	Orientation Confirmed	Mark Greenori	Tool marks Orientation	Turning on Blue Tool – Step A	Turn on Blue Tool- Step B	Blue Tool Running	Mark Green Core - Step A
Handheld Display	Find Blueori	Point to Tool	Orienteate Sample	Point to Tool	Point to Tool	Ori Pass / Dip Reading	Mark Green	Keep Stable Wait	Turn On Blue	Point to Tool	Both Running	Find Green Ori
Handheld Action												
Blue Tool	Running Mode					Standby Mode	Standby Mode	Standby Mode	Standby Mode		Send Blue DTH	Drilling
Green Tool	Green Drilling	Green Drilling	Green Drilling	Green Drilling	Green Drilling	Green Finished Drilling	(Keep Tool stable before snapping Core)	After handheld confirms Snap Core	Pulling Green to Surface	Pulling the Green Tool	Green on Surface	Green On Surface
Time	3sec	4sec	45sec	15sec	5sec	5sec	8sec	30sec	3sec	5sec	1sec	

Expected Cycle Time – 2min 10sec



- Audit Settings
  - Off an On
    - Hole ID
    - Set Date
    - Set Time
    - Depth
    - On and Off
      - Meters or Feet
    - Exit
  - Delete Data (Only appears if it has data turned on)
- Mark any (marks Both Tools)
  - Mark Ori
- Language
  - English
  - Portuguese
  - Spanish
  - French
- TruCore™ Version – Indicates the software Version
- Tool Battery %
  - Point to Tool
  - Displays battery %
- Last Dip (Gives the last dip reading)
- Passes - Qty of Core Passes on the handheld
- UPIX™ Version (262 Handheld)
- Reset Tool (resets both tools)
- Send Data
  - Send New
  - Send All



## Format For Successful Orientation Event:

1. Date
2. Time
3. Hole ID
4. Pass Counter
5. Depth
6. Event (Successful Orientation)
7. Dip
8. Temperature
9. GTF



## Format For All Other Events:

1. Date
2. Time
3. Hole ID
4. Event

## Data Output Sample For All Other Events:

1 2 3 4  
04/09/18,20:03,HOLEID123456,START SURVEY BLUE,  
04/09/18,20:04,HOLEID123456,MARK BLUE,  
04/09/18,20:04,HOLEID123456,START SURVEY GREEN,

## Data Output Sample For Successful Orientation Event:

1 2 3 4 5 6 7 8 9  
04/09/18,20:04,HOLEID123456,0001,0003M,INNER TUBE WITH SAMPLE SUCCESSFULLY ORIENTED BLUE,-00.7,+18C,264.3,  
04/09/18,20:05,HOLEID123456,MARK GREEN,  
04/09/18,20:05,HOLEID123456,START SURVEY BLUE,  
04/09/18,20:05,HOLEID123456,0002,0006M,INNER TUBE WITH SAMPLE SUCCESSFULLY ORIENTED GREEN,-00.6,+18C,282.4,  
04/09/18,20:05,PASS COUNTER RESET TO ZERO,  
04/09/18,20:06,HOLEID123456,MARK BLUE,  
04/09/18,20:06,HOLEID123456,START SURVEY GREEN,  
04/09/18,20:16,HOLEID123456,MARK BLUE,

# TruCore™ LEVEL



# TruCore™ level design and benefits



- The Level is clearly marked with an instructional upside.
- Built in V-block level glass.
- Improved core marking - The TruCore™ Level only allows for marking bottom of hole
- Unique design is positionally stabilized to the inner tube
- Has a ruler guide for drawing straight lines
  - Straighter core mark that points to center
  - Core mark can be bolded by additional repeat lines leaving a single clear mark
- Lines can be drawn while standing
- Simple and robust design



# Consumables



# Consumable Layout and requirement



TruCore™ Consumables														
Kit Type			TruCore™		TruCore™ One									
No:	Inner Tube	Qty	BQ	BQTK	NQTK	NQ	NQ3	HQ	HQ3	PQ	PQ3	NTW	HTW	LTK60
1	Grease Cap Housing	2	BUILT IN	BUILT IN	5700883	5700883	5700883	5700882	5700882	5700882	5700882			
2	Adapter, Check Valve	2	5008341	5008342	5007974	5007973	5007973	5008976	5008976	5700962	5700962	5009251	5700705	5008346
3	BALL (Check Valve)	2	24943	24943	62374	62374	62374	62374	62374	62374	62374			
4	Body Check Valve	2	40656	40656	37382	37382	37382	37382	37382	37382	37382			
5	PQ Conversion Kit	2								5008788	5008788			
No:	Outer Tube		BQ	BQTK	NQTK	NQ	NQ3	HQ	HQ3	PQ		NTW	HTW	LTK60
Option 1	Outer Tube Extension (short)	1	5008407	5008408	5008144	5008144	5008144	5008203	5008203	5008414		5009250	5700706	5008409
Option 2	Outer Tube 3m - EXTENDED	1	5008404	5008405	5008336	5008336	5008336	5008337	5008337	5008415				
Option 3	Outer Tube 1.5m - EXTENDED	1		5700652	5009426	5009427	5009426	5009427	5009427	5009428				



# TruCore™ Compatibility PQ & Roller Latch



## OVERVIEW

- TruCore™ is compatible with all Boart Longyear™ head assemblies but requires a conversion assembly similar to the PQ scenario.
- *Note: The addition of the conversion assembly will impact the quick decent functionality of the roller latch heads.*

## HEAD ASSEMBLY COMPATIBILITY

The following table outlines the compatibility of Boart Longyear head assemblies with each size of TruCore. Note: Conversions are not required for fields marked with N/A.

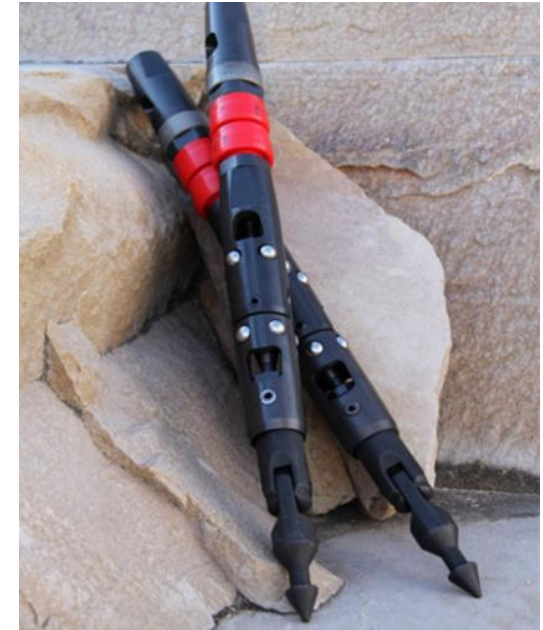
QUICK-DECENT™ ROLLER LATCH™	SIZE					
	BQ™	BQTK™	NQ™	<u>NQTK™</u>	HQ™	<u>PQ™</u>
Q/D R/L Head Assembly	5007740	5007745	5007750	5007755	5007760	5007770
Spindle Conversion Assembly	5008936	5008937	5008938	5008938	5008939	5009130

QUICK PUMP-IN™ ROLLER LATCH™	SIZE					
	BQ™	BQTK™	NQ™	<u>NQTK™</u>	HQ™	<u>PQ™</u>
R/L Head Assembly	N/A	N/A	N/A	N/A	N/A	*
Spindle Conversion Assembly	N/A	N/A	N/A	N/A	N/A	*

*\*Product not offered in this size*

LINK LATCH™	SIZE					
	BQ™	BQTK™	NQ™	<u>NQTK™</u>	HQ™	<u>PQ™</u>
Link Latch Head Assembly	N/A	N/A	N/A	N/A	N/A	5001444MKII
Spindle Conversion Assembly	N/A	N/A	N/A	N/A	N/A	*5008788

*\*Spindle conversion only required for PQ sized Link Latch heads*



# Core Orientation Transfer Tools



## OVERVIEW

- The orientation transfer tool procedure must be followed when using the TruCore™ to orient core if separating the inner tube into two sections prior to completing the process.

## NOTE:

- This process provides the bottom hole position for the core lifer section only.
- The accuracy of the orientation is degraded by any error introduced in scribing the reference line.
- Underground rigs may require mast extensions to facilitate this process.
- The same procedure applies to all sizes of TruCore™ orientation transfer tools.



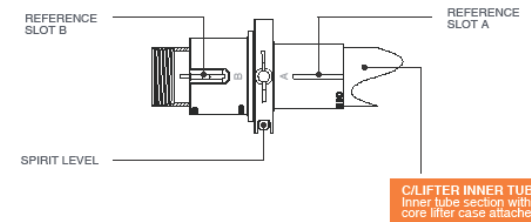
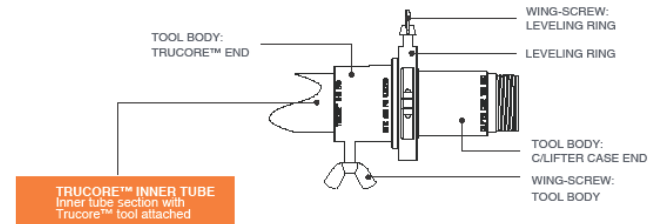
## TRUCORE™ ORIENTATION TRANSFER TOOL PROCEDURE

The following procedure must be followed when using the Boart Longyear™ orientation transfer tool to orient core if separating the inner tube into two sections prior to completing the process using TruCore™.

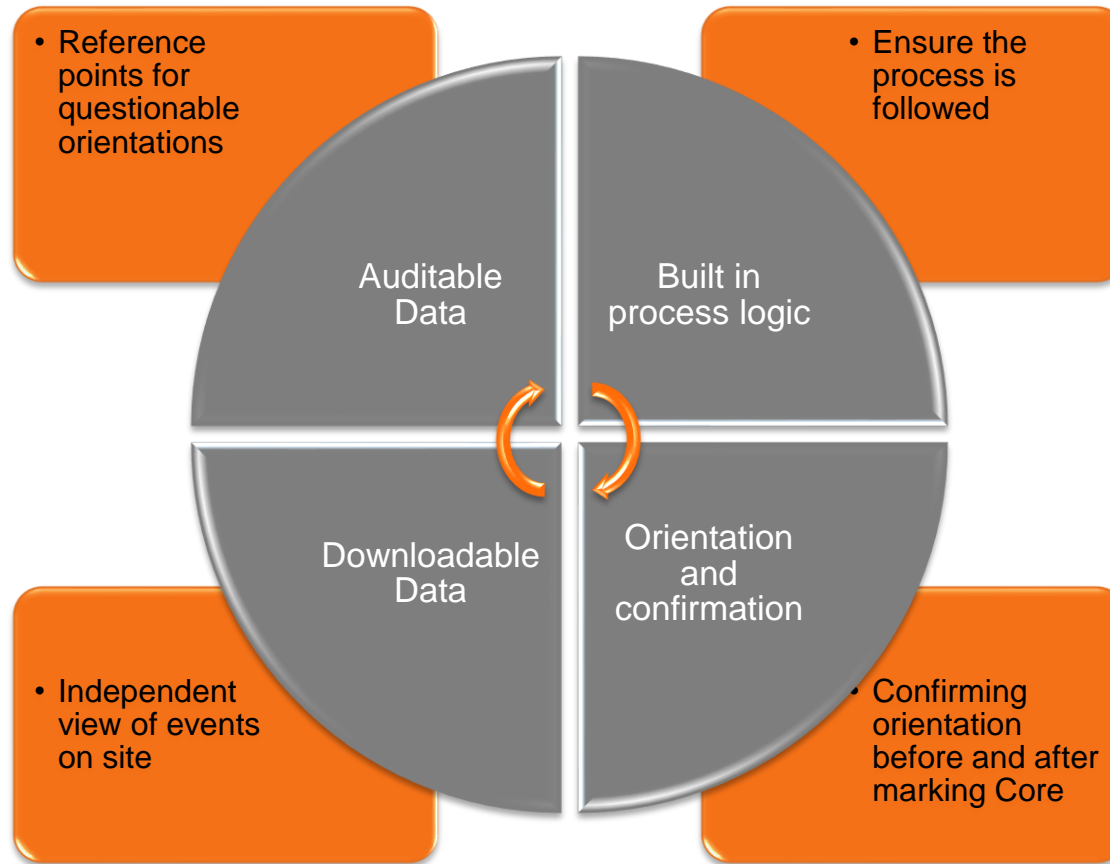
### NOTICE:

- This process provides the bottom hole position for the C/LIFTER inner tube section only.
- The accuracy of the orientation is degraded by any error introduced in scribing the reference line.

## TOOLING OVERVIEW



# Connecting the Geologists and Drillers – Chain of Custody



Points of confirmation improves trust and strengthens relationships while ensuring quality results

# TruCore™ Testimonials: Drilling Contractor



## PARAPHRASED BY APAC BDM: SUNRISE DAM, BOART LONGYEAR DRILLING SERVICES

*'Our drillers much prefer it to the Reflex tool and appreciate the reduction in manual handling and being able to stand upright to take the ori. However the feature they like the most is the Check Ori function as they find that between finding the ori and then marking the ori it is easy to roll the core barrel and end up marking the incorrect mark. Reflex don't have this functionality and they feel this is a significant advantage.'*

*'When I spoke to the geo's they also noted that occasionally the Reflex tool marks don't line up and it is likely that this is because the driller moves the barrel between finding the ori and then walking to the other end of the barrel to mark it.'*



# TruCore™ Testimonials: Geologist



*"In a discussion about which core orientation platform to use for a planned exploration project, our manager saw the system at a recent trade show. One thing we liked about the TruCore™ system was the ease of use. The handheld unit allows the driller to activate the tool with a very minimal amount of delay.*

*Another distinct advantage was the tooling did not require disassembly to obtain the orientation mark. The TruCore orientation tool proved to be robust with no problems encountered under tough field conditions. Our team has used other core orientation tools in the past and we found the TruCore tool to fit more seamlessly with the drilling process. We found that the TruCore tool performed with consistency with no flaws found in our data results that were attributable to the instrumentation or the process defined by Boart for its use.*

*Given the very positive experience with the Boart team and performance of the design and technology, we would certainly use the TruCore tool again and would recommend the system for core orientation in core drilling programs."*

*Arthur L. Smith, Senior Exploration Geologist  
Jonathan Moore, Project Geologist  
Hecla Silver Valley Limited  
Coeur d' Alene, Idaho*







## TRAINING PLAN

- Onsite training and Verification of Competency can be administered by a qualified Boart Longyear service technician for each new drill site or crew.
- Training sessions can include a combination of classroom lessons, a practical assessment, a training session attendance sheet and competency sign-off.
- The training results and documentation can be provided to management upon completion for internal tracking to ensure adequate levels of training are maintained at acceptable intervals.

## AVAILABLE TRAINING TOOLS

- 3-part video series on tool set up, operation and maintenance
- Quick reference user guide
- Verification of Competency training package (sign-off sheets and checklists)
- Classroom training presentation



**TRUCORE™ VERIFICATION OF COMPETENCY**

Boart Longyear™ recommends all equipment users complete a verification of competency (VOC) assessment with a qualified representative or authorized agent following the completion of a training session. Once complete, a user may request a certification of training completion for their records.

SITE INFORMATION	
Site Name:	_____
Location:	_____
Commodity Type:	_____
USER INFORMATION	
Name & Position:	_____
Email Address:	_____
Company Name:	_____
ELY Trained?	<input type="checkbox"/> Y <input type="checkbox"/> N
MAINTENANCE	
Can replace battery?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can recharge the handheld?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can clean the tool?	<input type="checkbox"/> Y <input type="checkbox"/> N
TRU CORE™ TOOLING	
Tool not turning on?	<input type="checkbox"/> Y <input type="checkbox"/> N
Communication to Handheld?	<input type="checkbox"/> Y <input type="checkbox"/> N
Orientation alignment?	<input type="checkbox"/> Y <input type="checkbox"/> N
Tool sequence misguid (double blue)?	<input type="checkbox"/> Y <input type="checkbox"/> N
Replaced with new battery?	<input type="checkbox"/> Y <input type="checkbox"/> N
Survey timeout?	<input type="checkbox"/> Y <input type="checkbox"/> N
Orientation timeout?	<input type="checkbox"/> Y <input type="checkbox"/> N
Calibration check?	<input type="checkbox"/> Y <input type="checkbox"/> N
Solid red LED?	<input type="checkbox"/> Y <input type="checkbox"/> N
Understands tool spec? (dip, temp etc.)	<input type="checkbox"/> Y <input type="checkbox"/> N
Understands timeout scenarios?	<input type="checkbox"/> Y <input type="checkbox"/> N
OPERATIONS	
Can identify kit contents?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can install tool?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can awaken from sleep mode?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can initialize both tools?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can reset both tools?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can electronically mark core?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can remark out?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can find the orientation on surface?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can scribble the sample?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can complete check-out workflow?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can confirm the orientation?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can check battery life?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can run single tool at a time?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can check tool id/operating mode?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can check tool status?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can orient sample with transfer tool?	<input type="checkbox"/> Y <input type="checkbox"/> N
Can prepare kit for return shipment?	<input type="checkbox"/> Y <input type="checkbox"/> N

DATE: \_\_\_\_\_

COMPLETED BY: \_\_\_\_\_  
First Name, Last Name



## Top 10 Benefits

1

- Improved Safety and Ergonomics

2

- 1 Kit for 7 Core Sizes

3

- Field Tested and proven

4

- Wireless Operation

5

- Lighter – Faster – Easier

6

- Minimum Operational Distraction

7

- 360° Visual Orientation

8

- Built in Process Logic

9

- Orientation is Handheld Central

10

- Downloadable Auditable Data