

HANDHELD WELDING QUALITY MANAGEMENT SYSTEM

# Wiki-SCAN 2.0™



**NEXT GENERATION**

**IoT  
READY**



**SERVO-ROBOT**



# Wiki-SCAN 2.0™

**HANDHELD WELDING QUALITY MANAGEMENT SYSTEM THAT SAVES COSTS AND TIME!**

Wiki-SCAN 2.0™ is a unique welding quality management system that accurately inspects weld joint preparations, joint fit-up and weld bead geometry ensuring the reliability of the welding process. It provides measurements of many features, from leg size to undercut, as well as measurements of critical parameters such as root and face opening, gap, mismatch and bevel angles. Wiki-SCAN 2.0™ reduces redundant inspection operations, unneeded repairs and over-welding, shortens inspection time and saves costs. Comprehensive immediate objective reporting and wireless communication allow for efficient data management and quality control.

**NEW!**

**MOBILE CONNECTIVITY WITH THE WIKI-SCAN 2.0™ MOBILE APP AND SCREEN SHARING**

- Objective results and improved reliability
- Simple intuitive icon based interface
- Helpful video tutorials on Wiki-SCAN 2.0™ common functions
- Customizable Go/No-Go settings
- Immediate measurement results with laser based inspection
- Removable encoder for reliable data collection on long welds
- Automatically created inspection reports
- Transferring of inspection results over Wi-Fi or USB
- Fast charging of Wiki-SCAN 2.0™ over USB

# NEW & IMPROVED

## WIKI-SCAN 2.0™

# SERVO-ROBOT

Ruggedized industrial USB-C port

Improved shock resistant cover

Intuitive advanced calibrated video guidance

Improved screen performance & resolution

Adjustable region of interest

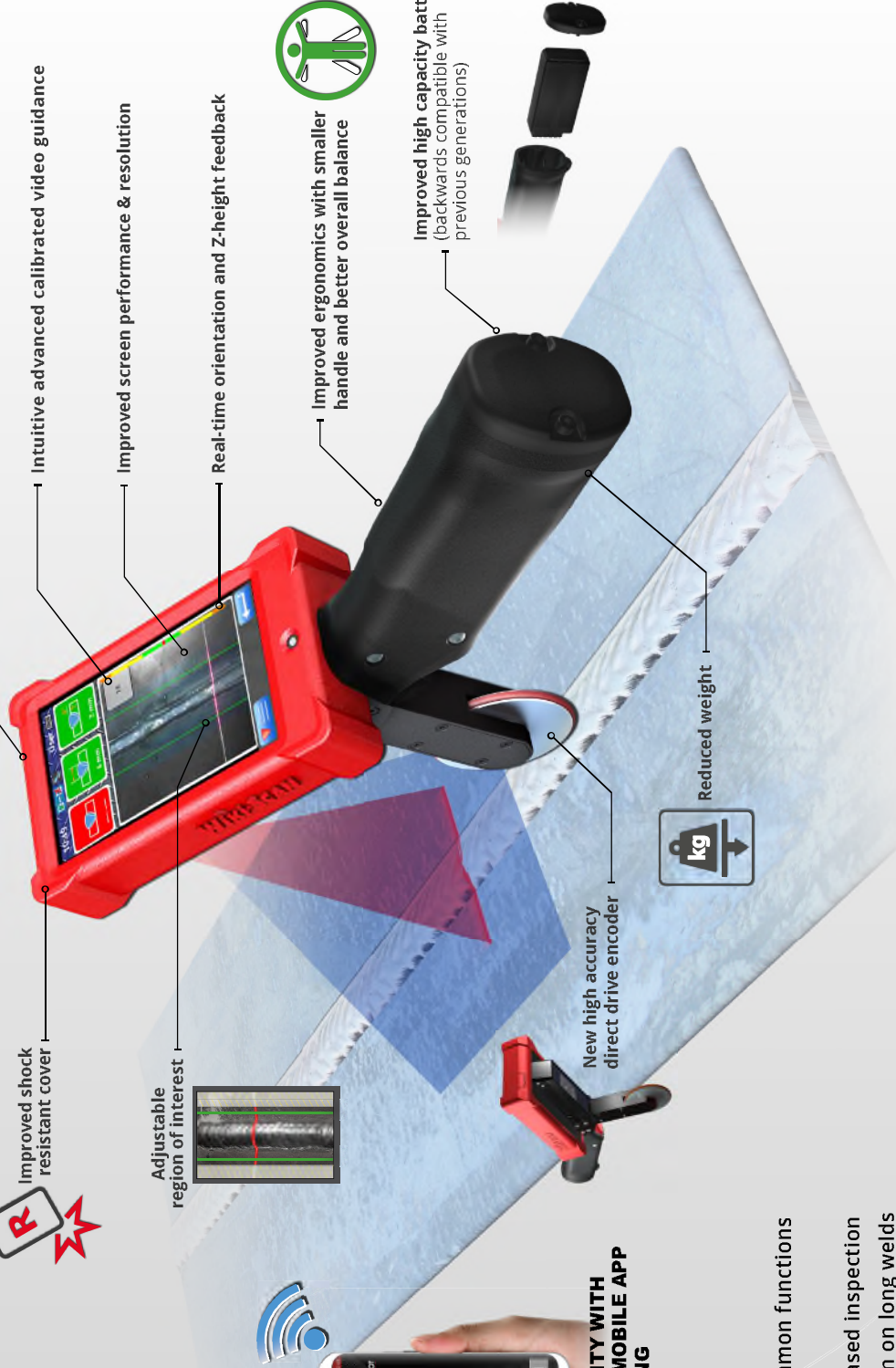
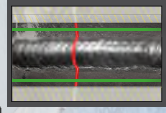
Real-time orientation and Z-height feedback

Improved ergonomics with smaller handle and better overall balance

Improved high capacity battery (backwards compatible with previous generations)

New high accuracy direct drive encoder

Reduced weight



SERVO-ROBOT CONTRIBUTING TO WELDING QUALITY MANAGEMENT IN ALL MAJOR INDUSTRIES

TANK AND VESSEL

POWER GENERATION

PETROLEUM/INDUSTRY

OFF-ROAD/HEAVY INDUSTRY

GENERAL INDUSTRIES

AUTOMOTIVE

CONSTRUCTION

DEFENSE



## JOINT INSPECTION

Joint Type and Range	T-Joint 30° - 140°	Butt Joint (Square, U, V and Bevel Groove)	Lap Joint												
Features		<table border="1" style="margin-bottom: 5px;"> <tr><th>HR*</th><th>STD*</th><th>L*</th></tr> <tr><td>Max. 20</td><td>Max. 50</td><td>Max. 100</td></tr> </table> 15° - 45°	HR*	STD*	L*	Max. 20	Max. 50	Max. 100	<table border="1" style="margin-bottom: 5px;"> <tr><th>HR*</th><th>STD*</th><th>L*</th></tr> <tr><td>1 - 25</td><td>2 - 50</td><td>4 - 100</td></tr> </table>	HR*	STD*	L*	1 - 25	2 - 50	4 - 100
HR*	STD*	L*													
Max. 20	Max. 50	Max. 100													
HR*	STD*	L*													
1 - 25	2 - 50	4 - 100													
Joint Included Angle ( $\beta$ )	✓	✓	-												
Root Opening/Gap	✓	✓	-												
Mismatch/Hi-Lo	-	✓	✓												
Groove Angle ( $\theta$ )	-	✓	-												
Bevel Angle (l,r)	-	✓	-												

## WELD INSPECTION

Weld Type and Range	Fillet Weld	Groove Weld	Lap Weld																								
Features	<table border="1" style="margin-bottom: 5px;"> <tr><th>HR*</th><th>STD*</th><th>L*</th></tr> <tr><td>1 - 20</td><td>2 - 50</td><td>4 - 100</td></tr> </table> 30°-140°	HR*	STD*	L*	1 - 20	2 - 50	4 - 100	<table border="1" style="margin-bottom: 5px;"> <tr><th>HR*</th><th>STD*</th><th>L*</th></tr> <tr><td>1 - 20</td><td>2 - 50</td><td>4 - 100</td></tr> </table> <table border="1" style="margin-bottom: 5px;"> <tr><th>HR*</th><th>STD*</th><th>L*</th></tr> <tr><td>1 - 25</td><td>2 - 55</td><td>4 - 100</td></tr> </table>	HR*	STD*	L*	1 - 20	2 - 50	4 - 100	HR*	STD*	L*	1 - 25	2 - 55	4 - 100	<table border="1" style="margin-bottom: 5px;"> <tr><th>HR*</th><th>STD*</th><th>L*</th></tr> <tr><td>1 - 25</td><td>2 - 50</td><td>4 - 100</td></tr> </table>	HR*	STD*	L*	1 - 25	2 - 50	4 - 100
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Leg and Size	✓	-	✓																								
Theoretical Throat	✓	-	✓																								
Convexity/Underfill	✓	✓	✓																								
Reinforcement	-	✓	-																								
Undercut	✓	✓	✓																								
Toe Angle	✓	✓	✓																								
Mismatch/Hi-Lo	-	✓	-																								
Plate Angle	✓	✓	✓																								
Face Width	-	✓	-																								

## WiKi-SCAN 2.0™ SPECIFICATIONS

Dimensions L x W x H	269 x 95 x 149 mm	Laser Field of View:		
	269 x 95 x 218 mm (with Encoder option)	WiKi-SCAN 2.0™	WiKi-SCAN 2.0/HR™	WiKi-SCAN 2.0/L™
Weight	920 g			
	1000 g (with Encoder option)			
Li-ion Battery Life	4 - 7 hours depending on use (24 Wh)			
Operating Temperature Range	5 - 45 °C			
Connectivity	USB 2.0 / Wi-Fi™ (Dual Band 2.4 / 5 GHz 802.11 a/b/g/n)			

"-" - Not Applicable. \* HR = WiKi-SCAN 2.0/HR™; STD = WiKi-SCAN 2.0™; L = WiKi-SCAN 2.0/L™. All measurements are in millimeters unless otherwise indicated.

Contact SERVO-ROBOT for more information on how to obtain your WiKi-SCAN 2.0™.

# SERVO-ROBOT

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