

A-1700 Roll-Leveling Kit

A high-accuracy electronic level with a V-block mounting fixture for leveling rolls

Target Features

The A-1700 is a roll-leveling accessory kit for our L-732/742 Dual Scan® Roll Alignment systems. It comes with a high-accuracy electronic level that transmits its data wirelessly to the R-1357-2.4ZB PDA to quickly level rolls.

- 2 axis electronic level with a resolution of .0002 in/ft (0.02 mm/m or 0.001°)
- It has a measuring range of +/- 2.0°.
- Comes with a Bluetooth radio to transmit the level data to a PDA for easy leveling of rolls. Download the Smart 2D PDA Android software to display the data on a handheld device.
- The level can be easily paired with our R-1357-2.4ZB PDA to show both the roll-leveling data and its parallelism data from the L-742 Dual Scan Roll Leveling Laser on the same PDA to speed up the roll adjustment phase of roll alignment.
- The A-1700 comes with a v-block type mounting base for rolls from 2 to 24 in. (51- 610 mm) in diameter and a safety strap to prevent the roll from falling off during the alignment. With an extended safety strap rolls up to 48 in. (1.2 m) can be leveled.
- Data updates in real time in 2 axes. Also features a single-axis mode to avoid confusion.
- Powered by 2 AA batteries plus a mini-USB port to run on A/C power with up to 12 hours of battery life.
- Offers an easy in-field calibration procedure to maintain accuracy.



A-1700 Roll-Leveling Kit with Safety Strap



Smart 2D PDA Android Software



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Specifications

A-1700 Roll-Leveling Kit

Size:	2.57 x 2.75 x 6.88 in. (65.3 x 69.9 x 174.8 mm)
Resolution:	.0002 in/ft (0.02 mm/m or 0.001°)
Accuracy – Roll Leveling:	within .0004 in/ft. (0.04 mm/m or 0.002°)
Accuracy - Flatness:	From angles 0° to 0.5°: ±.0004 in/ft. (0.04 mm/m or 0.002°) From angles 0.5° to 2.0°: ±.0008 in/ft. (0.08 mm/m or 0.004°)
Measuring Range:	±2.0 degrees
Roll Diameters:	2 - 24 in. (51- 610 mm) with standard strap. Up to 48 in. (1.2 m) with extended strap.
Material:	Plastic and steel, aluminum, and stainless steel tooling balls
Weight:	2 lbs 7 oz. (1.1 kg) with mounting base
Bluetooth Range:	Approximate 50 ft (15 m)
Operating Temperature:	10° to 120°F (-10° - 50°C)
Battery Life:	LED display: up to 8 hours continuous use Bluetooth: up to 12 hours continuous use

