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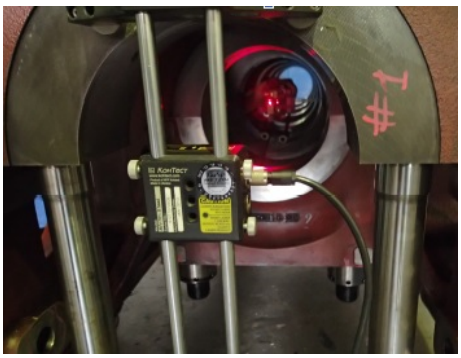
KOHTECT®

AVV-711Pro™

Advanced Industrial Geometry Laser Alignment System offers an Unsurpassed and Precision Measurements with Maximum Accuracy.

- ***Flatness measurement***
- ***Straightness measurement***
- ***Parallelism measurement***
- ***Bore & engine pockets alignment***
- ***Coupling shaft alignment***
- ***Spindle alignment***
- ***Cardan shaft***



Unsurpassed Advantages

- Complete hardware, software and various brackets option to meet application and budget requirement
- Icon base with text guide provide quick and easy setup from benefits of 5-axis PSD detector, extend range interface & ensure measure accuracy
- Class-1 wireless Bluetooth v.4 data measurement up to 100 m range
- More than 1000 flatness points in single flatness rect./circular work piece, i.e. eliminates complex splice process

- Resume and re-check of measure data
- User defined fix/reference points for bore, flatness and straightness
- True color graphic interface on TFT display
- Variety of flatness plane selection, Abs, BestFit, Ref. fixed and 3D profile quick view
- Result value in all positive (+), all negative (-) or negative & positive (±)
- Direct PDF report quick print, save in device/ USB stick, PC software to customise report format with logo, picture and database management

- User define tolerance and easy view color coded results
- Complete statistic results at glance
- True measurement of bores any 3/4/8 points by high accurate rotating center bracket - Flexible measure sequence by user select route
- True graphical of actual bore position at every 1° rotation
- Quality analysis of bore roundness and STD measurement reliability
- More fundamental shaft alignment advantages can be read from standard AVV-711S brochure

*Listed specifications, appearance and design are subject to change without notice or obligation on the part of the manufacturer

AVV-711Pro system support and offer application solutions on:

Profile of any of the following surface:

- Machine foundations
- Crane slewing rings
- Compressors, pump and turbine half casing
- Bed plates and flatness tables
- Any rectangular and circular flanges
- Gear pedestal
- Measurement of perpendicularity
- Rail guide straightness

Profile of any of the following bore:

- Engine pockets
- Stern-tube
- Pump bearing housing
- Small turbine diaphragm

LIGHT WEIGHT

Rugged Construction

KOHTECT Conspect™ Software

Multi-Point

REAL-TIME Display

Firmware Support

WIRELESS

3-Years Warranty

Direct to PDF

Bluetooth®

ASIA - SINGAPORE SERVICE CENTER

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AVV-711Pro™

World's Leading Advanced Laser Alignment System delivers the Most Precise Geometry Measurements with Superior Workflow Management

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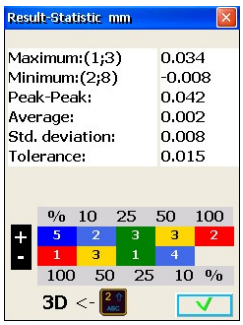
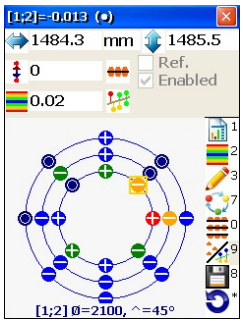
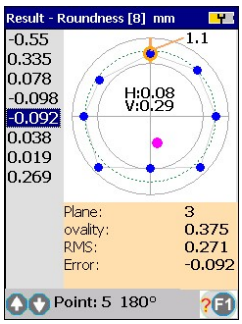
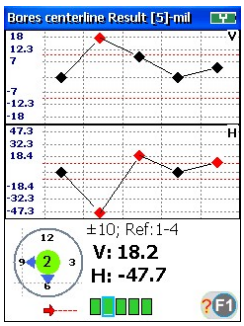




- Statistic result at glance for final flatness measured quality of work-piece and selection of 3D progile view.
- Straight forward circular / rectanglar flatness dimension setup and results.





- True bore centerline Multi-Point in plane measurement ensure greatest precision and eliminate eccentricity error.
- Bore centerline / straightness result view of minimum correction.

Tough Hardware for Specialised Applications

KRL-25 Rotating Laser (Front and Top View)

TSM-400 Large Range Transducer

Straightness Bracket

Air-tight Nanuk Case

AVV-711Pro™ TECHNICAL SPECIFICATION

System Display

Housing	Industrial ABS Shock-Proof rubberised casing IP
Environmental Protection	65 (Water-resistant and Dust resistant)
Display Size,Type & Resolution Power Source	71x54mm, VGA colour LCD 0.01mm, 0.001mm
	3.7 Volts Li-ion Type:NCR18650B
Memory	8GB Flash memory
External Memory O/P	USB external drive 32GB
Data Storage Format	User defined folder and Real-time Alphanumeric
User Interface	25 keys
Wireless Integration	Class-I (up to 100m)
Output Interface	Dual transfer USB High-Speed
Operating Temperature Range	0ºC to 55ºC
Power Supply	Rechargeable batt or Direct AC input
Display Weight	Approx.600grams

Laser Receiver

Measurement Resolution	0.001mm
Digital Inclinometer	0.1º resolution
Sensor Detector Size	10x10mm/ 20x20mm PSD (unlimited ext. range)
Detect Range Operating Temperature Component	Maximum 100m when using Bluetooth 0ºC to 55ºC
Weight	Approx. 250grams

Optional: KRL-25 Rotating Laser

Beam diameter	5mm at aperture
Laser Class & Wavelength	Class II Diode Laser (635-670nm visible)
Accuracy	< 0.02 mm/m
Power Output	< 1 mW
Beam Divergence	< 0.2 mrad
Working Range	25m radius (dia. 50m)
Leveling Range	± 40 mm/m
Spirit vials scalings (2x) Squareness	0.02 mm/m
Horizontal/Vertical Beam	0.01 mm/m [2 arc sec.]
Offset Over @360º	< 20 um
Cone Error	< 0.0 2mm/m
Fine Adjustment Resolution	± 5mm/m
Operating time to Recharge	Approx.16hrs
Battery Type	Rechargeable Li-Po cells
Housing Material	Anodized Aluminum alloy
Component Weight	Approx. 2300 grams

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A-2899-WORLDWIDE KohTect AVV-711 Pro 2022 v2.3 MADE IN UKRAIN