

DiaCheck ID/OD Digital Plug-Gage

- Cost-effective to use wide dia. range
- Easy, Accurate, Repetibility
- Best for process inspection and FA

www.aligncheck.com

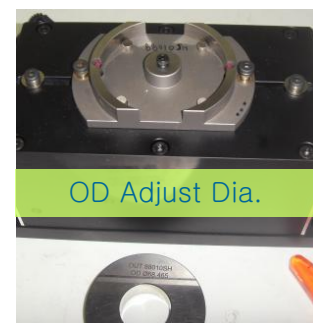
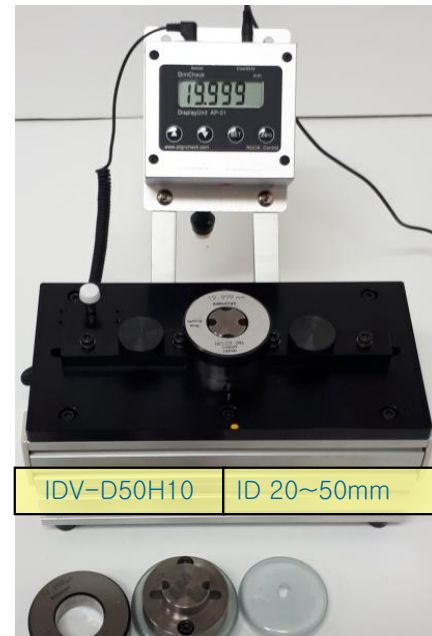
Acculine Co., Ltd T:+82-31-211-3041, F:+82-31-211-3042

Applications

In the mass production, anyone can easily and precisely measure ID & OD of parts

A DiaCheck may used universal gage to be applied to various diameter parts. By special setting it can be used like a dedicated gage for easy and accurate measurement. It has high reliability for abrasion, water, impact, surface roughness. Be sure to operate your company steadily by measuring it conveniently and precisely with simple operation. Productivity, quality and customer satisfaction can be achieved.

- Measuring Accuracy (Repetibility 0.001mm)
- Simple fitting operation, same measure by anyone
- NG/OK lamp & buzzer, production site inspection
- Rubby ball wear-free, waterproof, reliable in dirty
- SPC monitoring, Factory automation scalable
- ID OD Measure at one Move.



◆ Easy and accuracy with diameter adjustment benefit

For easy and accurate measure as a dedicated gage in a univeral gage, DiaCheck has adopted a method of replacing guide parts. By replacing a guide, precise setting is completed easily by anyone.



Possible to measure roundness and taper by using ruby ball with low contact force without surface damage. Unlike other gages, there is no error caused by surface roughness, water content and wear. Economical due to multi-parts use. By low contact pressure and large clearance of guide. automatic (FA) operation is easy.

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DiaCheck Standard Type

■ Axial Fit ID / OD Measure : I(O)DV-D#-H#

I(O)DV: Axial Fit 2 Points ID(OD) Measure

D# : Max. Diameter (30, 50, 80)

→ 30:10~30, 50:20~50, 80: 45~80

H# : Max. Msr. Height (10:Std, 35:Long)

◆ Measure Guide : GI(O)DV-D#-H#MH#

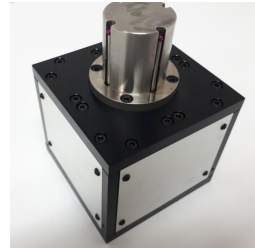
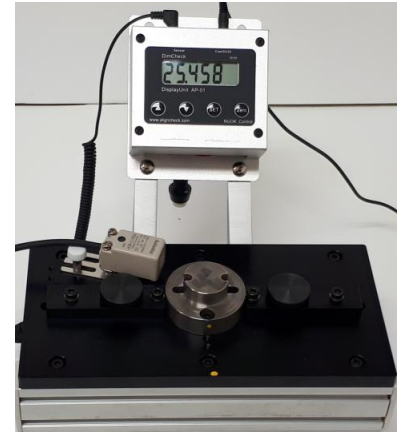
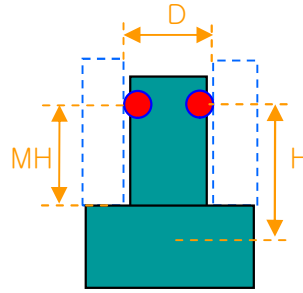
I(O)DV: Axial Fit 2 Points ID(OD) Measure Guide

D# : Set Diameter (Ex:32.892)

H# : Max. Msr. Height (Ex: H10)

MH# : Msr. Height (Ex: MH4.5)

◆ IDV DiaCheck is cost-effective compared and very satisfied with customer convenience and accuracy.



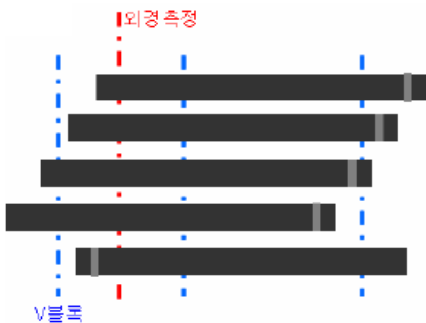
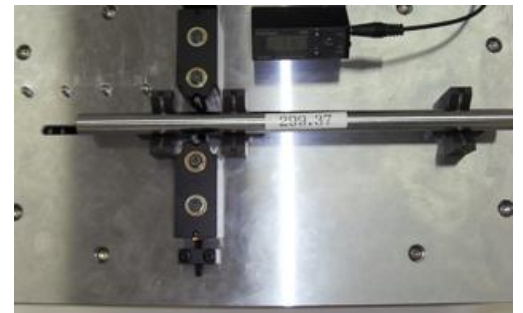
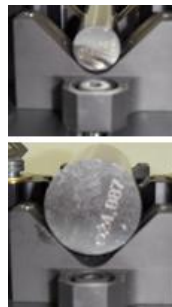
■ Side Fit Rod OD Measure : ODS-D#-L#

ODS: Side Fit 2 Points(2 Pins) OD Measure

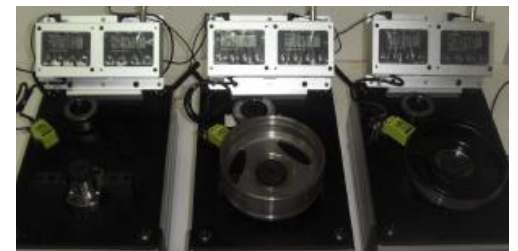
D# : Max. Diameter (25, 45)

→ 25:5~25, 45:25~45

L# : Max. Msr. Length (250, 400)



Three positionable V-blocks allow both long and short part . Possible to measure roundness and straightness by rotation



■ Axial Fit ID & OD Measure at once: IODV-ID#-OD#-H#

Device have an additional measure of OD in IDV Diacheck. Measur guide is same with IDV. Best for bush and ring like.

IODV: Axial Fit 2 Points ID & OD Measure

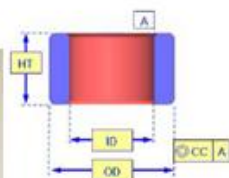
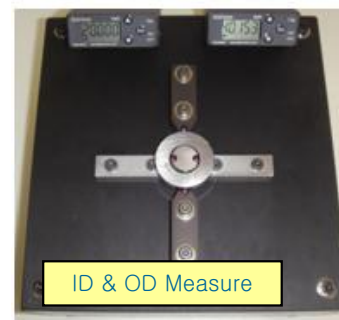
ID# : Max. ID Diameter (30, 50, 80)

□ 30:10~30, 50:20~50, 80: 45~80

OD# : Max. OD Diameter = ID Dia. + 5 ~ 20mm

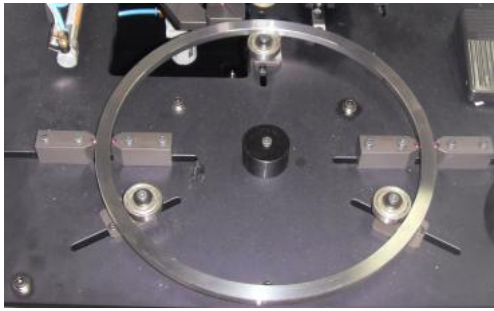
H# : Max. Msr. Height (10:Std, 35:Long)

◆ When difficult to apply Std product, send drawing by e-mail (info@aligncheck.com) and consult with non-standard.

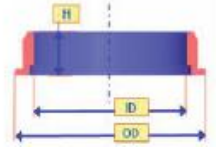
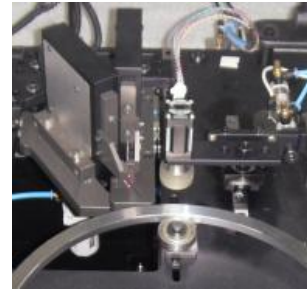


DiaCheck Special(Customized) Type

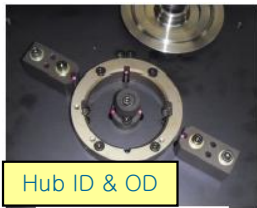
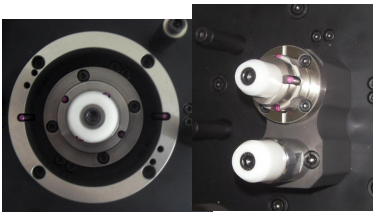
large ring



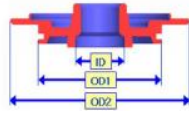
ID & OD Measure with Height Measure



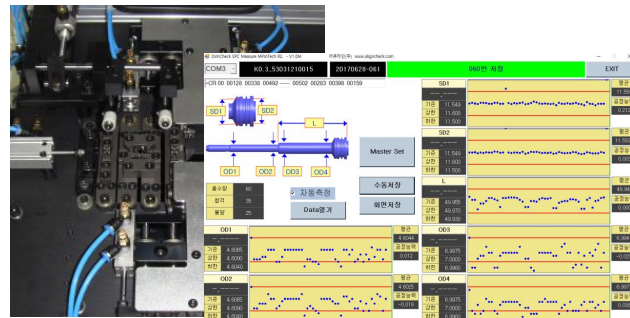
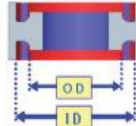
Special Measure Guide



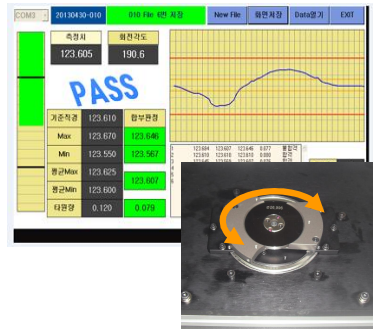
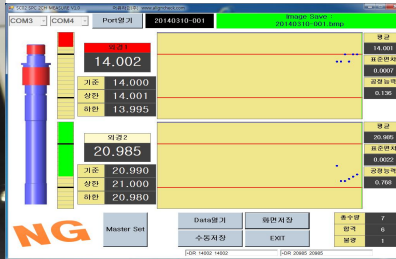
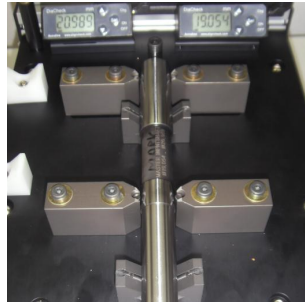
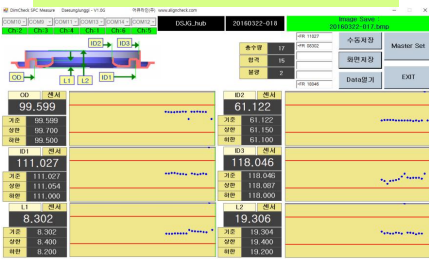
Hub ID & OD



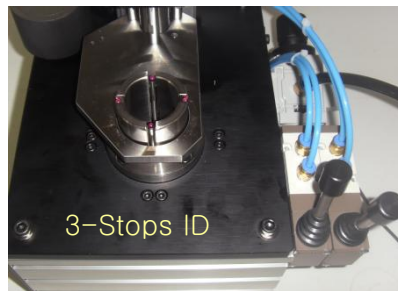
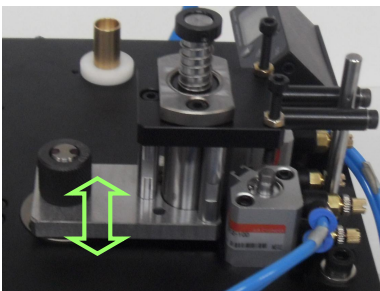
Special ID & OD



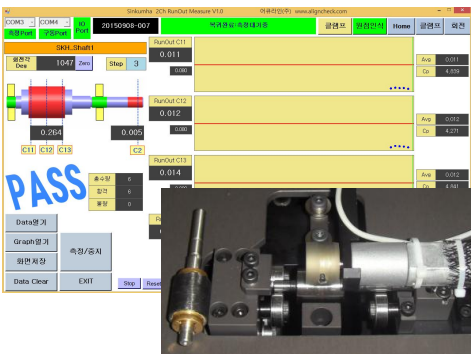
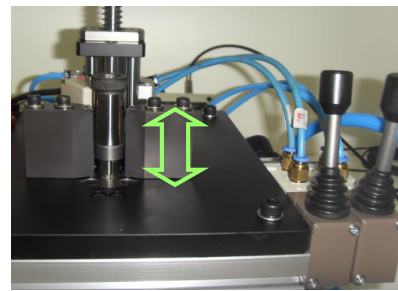
SPC Monitoring



Scanning Measure(Taper, Roundness, Coaxial) : by Moving



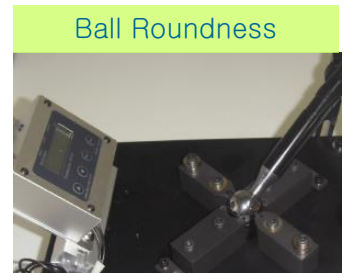
3-Stops ID



Auto Runout Msr



4Pts thick by moving



Ball Roundness

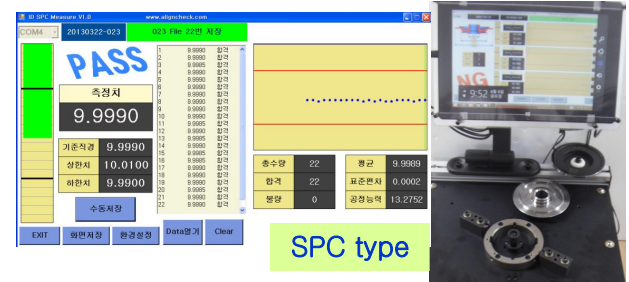
Display & Measure Module for FA

Display type

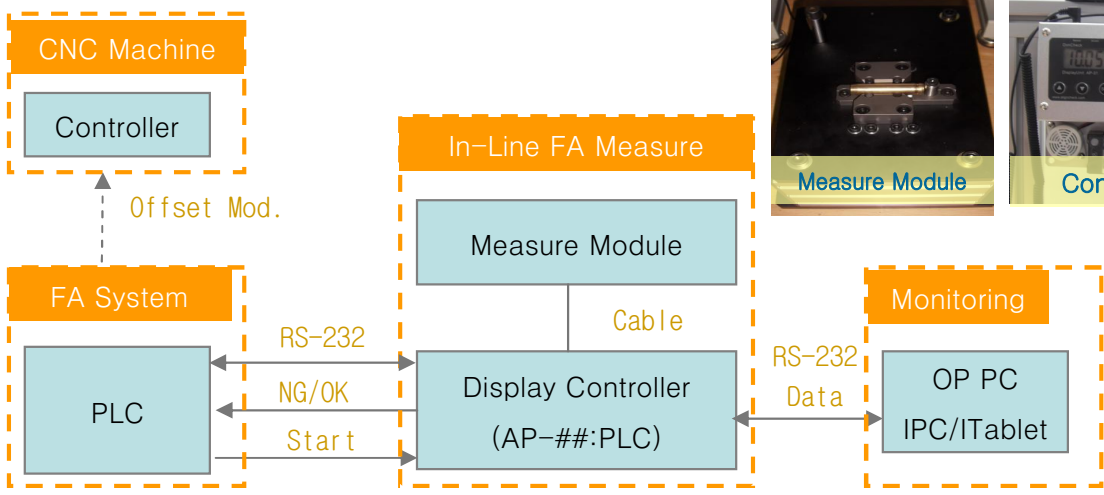


NG Buzzer
NG Light
PLC IF

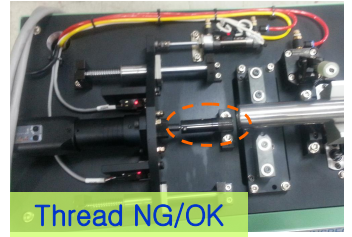
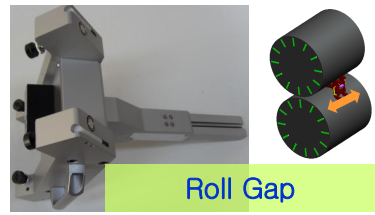
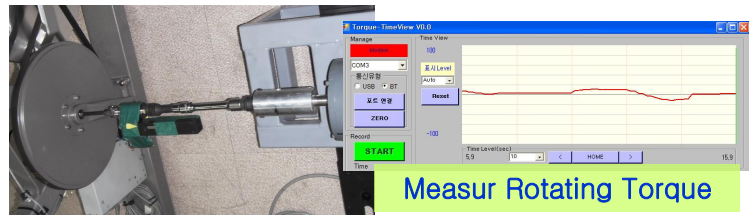
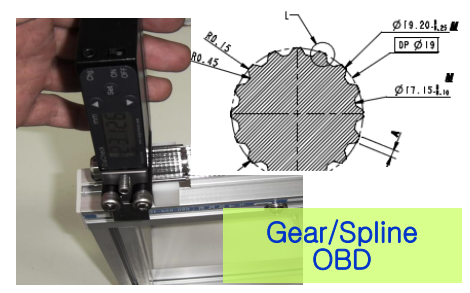
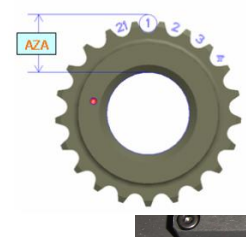
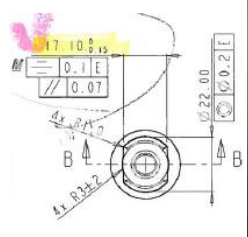
NG/OK type



In-Line FA Measure System



ETC Measure



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