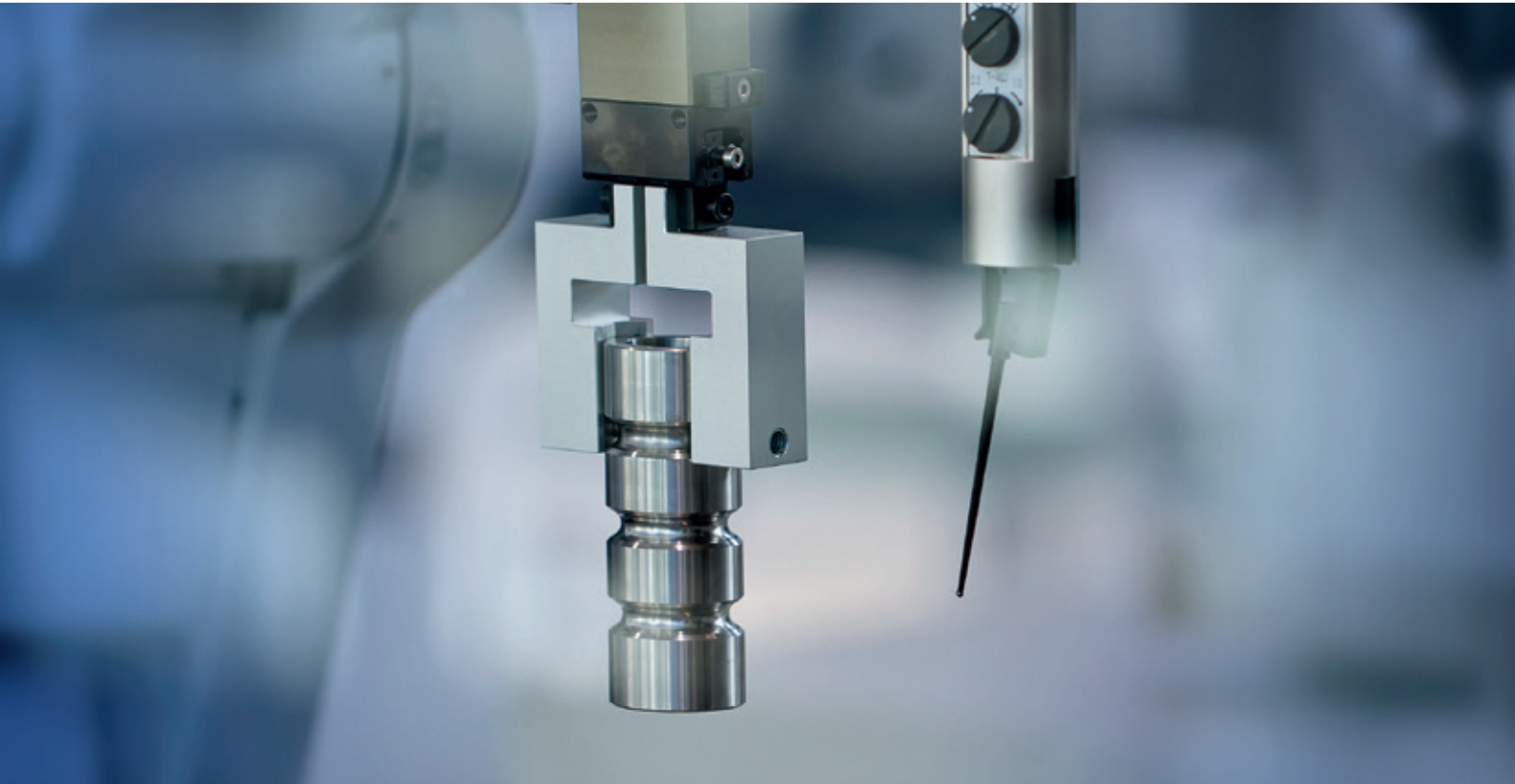




RONDCOM TOUCH

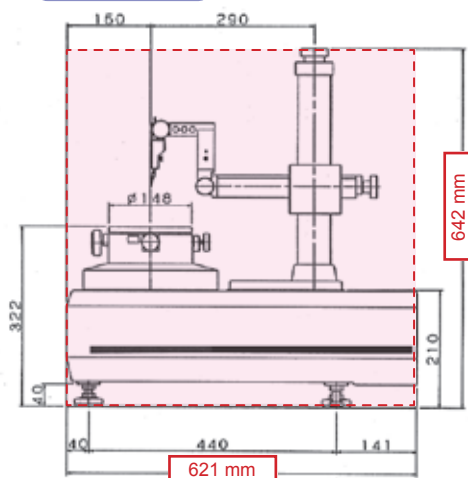
Table-Rotating Type

01 Compact Design

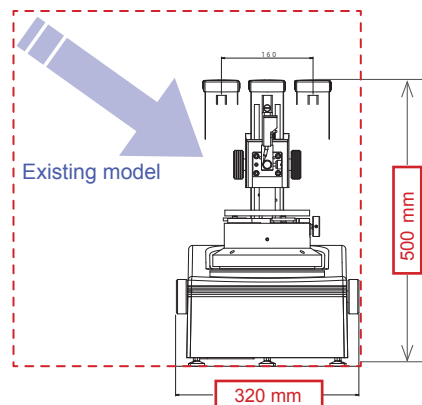
Width is 320 mm which is a 49% reduction and height is 500 mm which is a 22% reduction compared to our existing model.

Most compact in class!!

Existing model



RONDCOM TOUCH

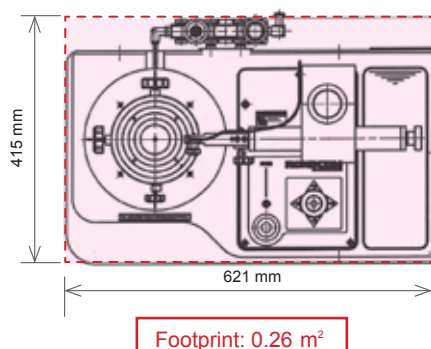


02 Small Footprint: 0.13m²

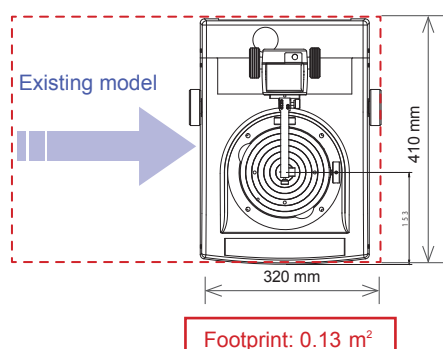
50% reduction of footprint compared to our existing model.

Most compact in class!!

Existing model



RONDCOM TOUCH

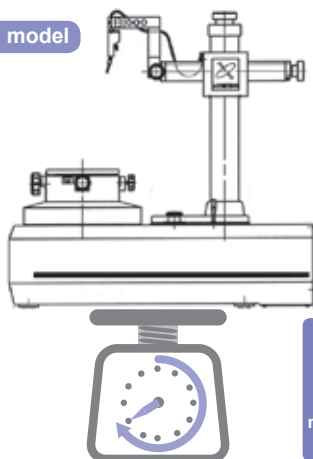


03 Lightweight Design

– Achieved 1/4 of mass of existing model

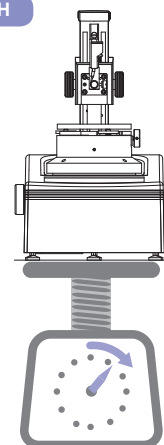
Mass of the measuring unit is 26 kg which is a 78% reduction compared to our existing model.

Existing model



Mass of the measuring unit
120kg

RONDCOM TOUCH



Mass of the measuring unit
26kg

Table-Rotating
Compact Roundness Measuring Instrument

RONDCOM TOUCH



04 Movable Column Design (Patent pending)

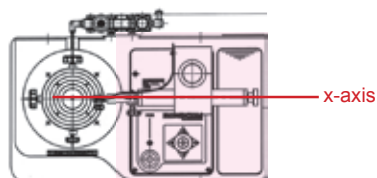
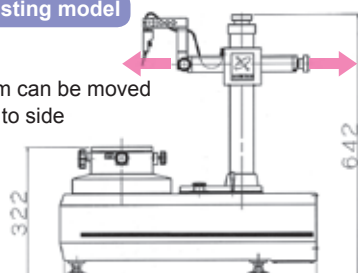
Distinctive movable column design

World
first!!

Patent
pending

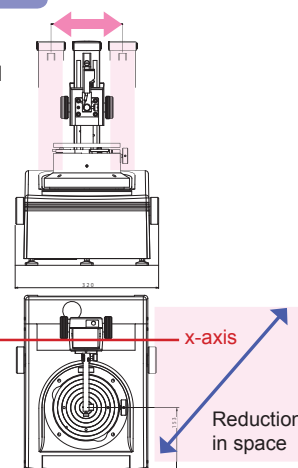
Design of existing model

R-axis arm can be moved
from side to side



Design of RONDCOM TOUCH

Z-axis column can be moved
from side to side



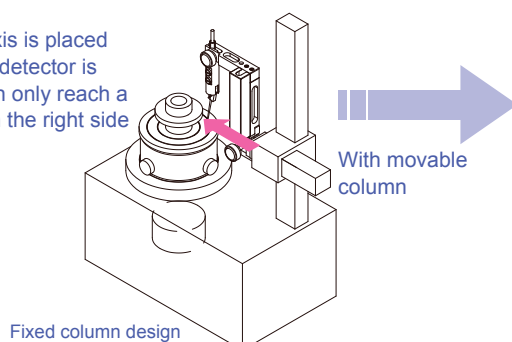
The placement of X-axis
behind the main base-
contributes to its compact
design.

05 Advantages of the Movable Column Design

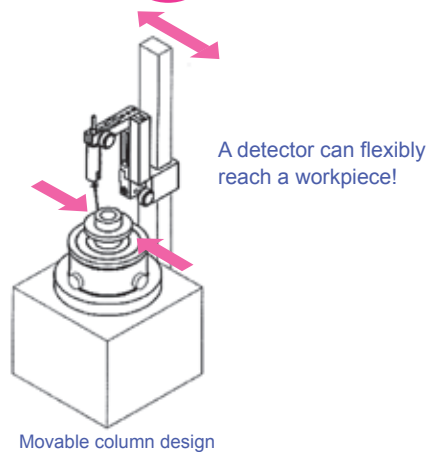
The movable column allows a detector to reach a
workpiece from both right and left sides.

Patent
pending

When the Z-axis is placed
on the right, a detector is
limited and can only reach a
workpiece from the right side



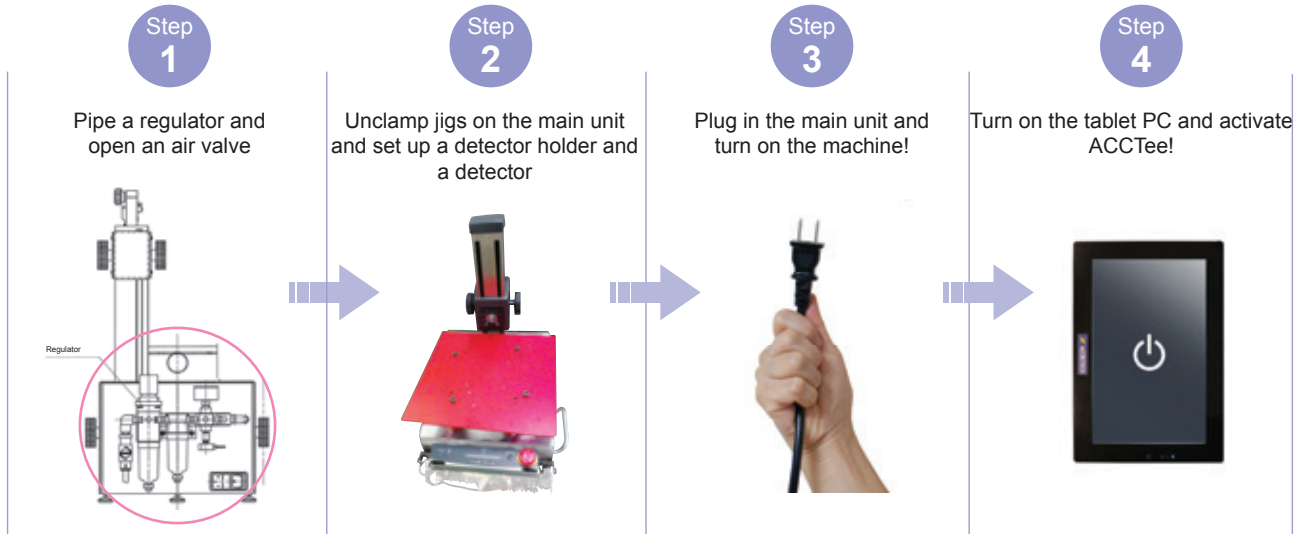
With movable
column



A detector can flexibly
reach a workpiece!

※ Note: The pictures shown above are for illustration purposes only.
Therefore, they are not accurate representations of RONDCOM TOUCH.

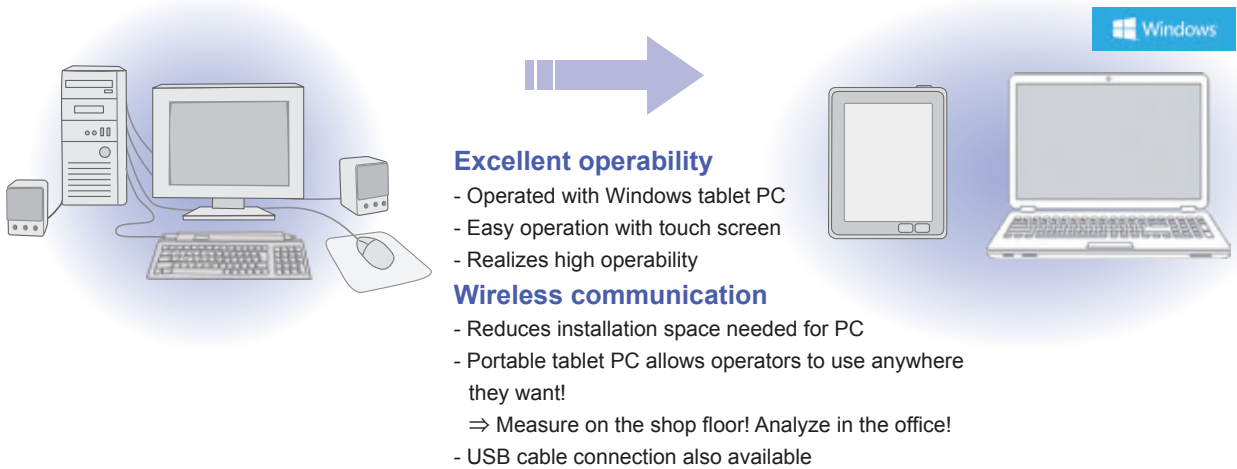
06 Simple Setup



07 Tablet PC

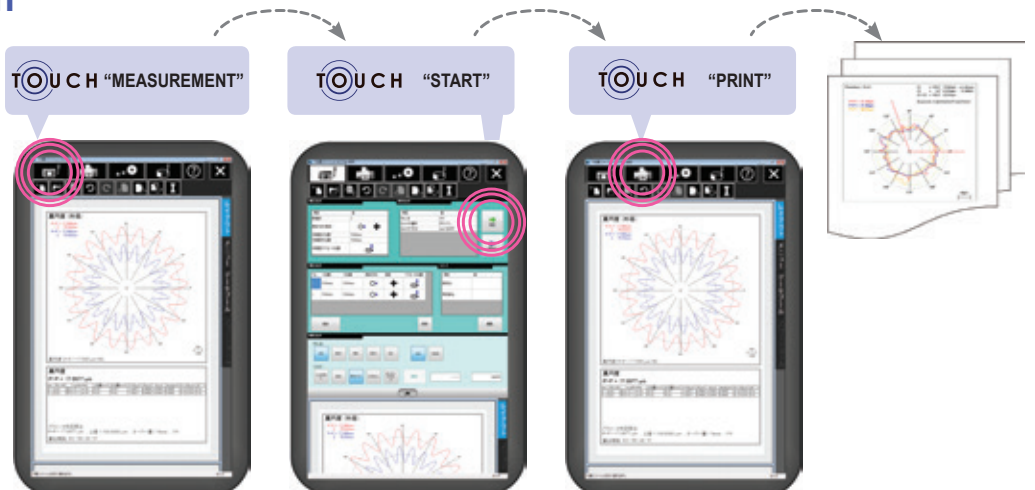
From Desktop PC

To Tablet PC or Notebook

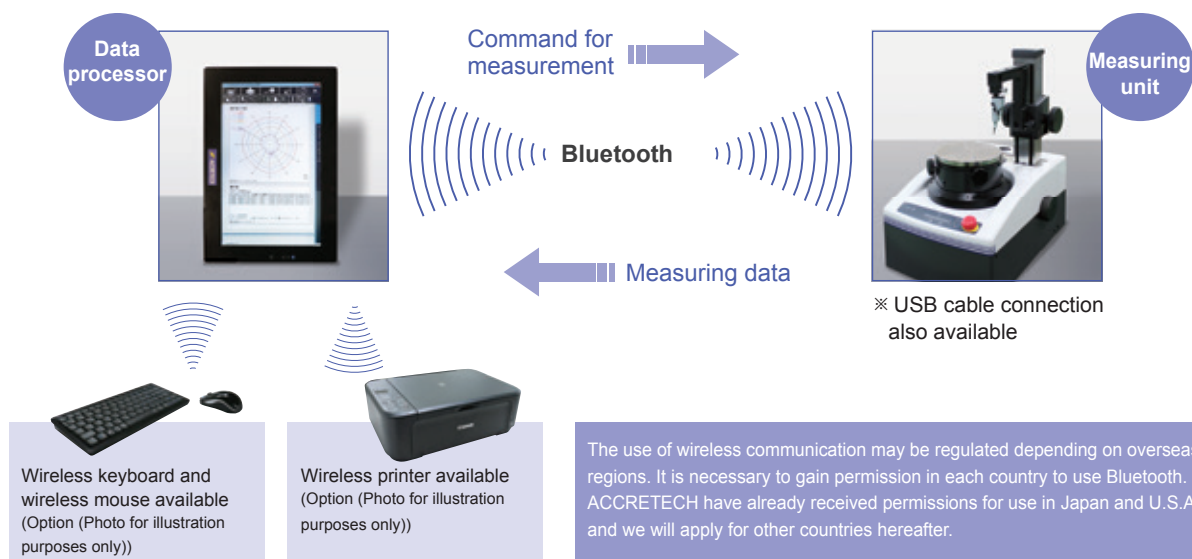


08 Easy Operation

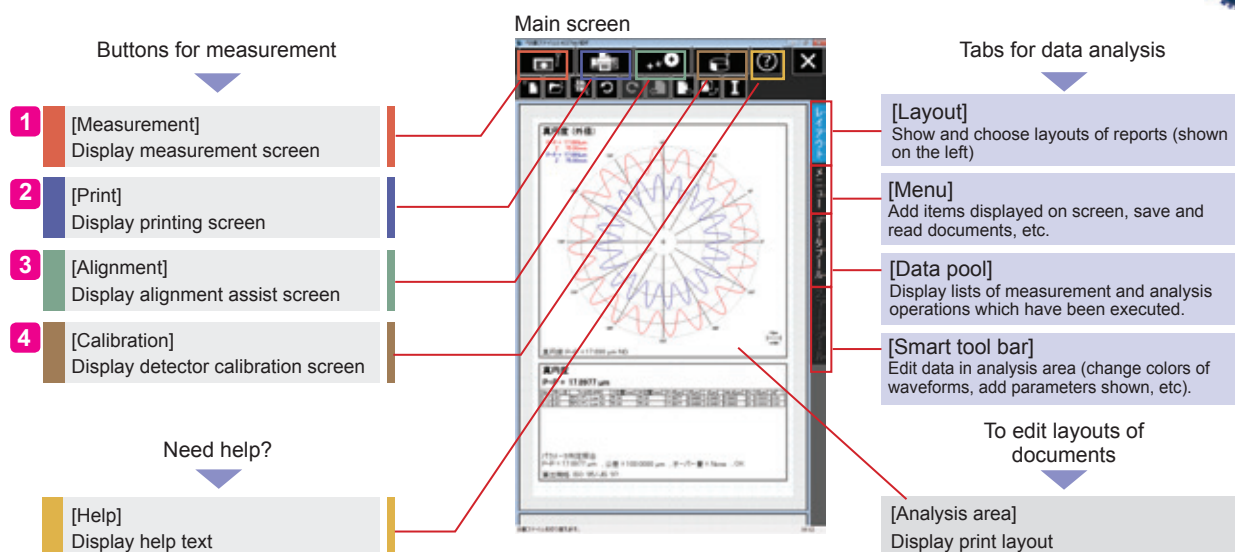
Easy and intuitive operation realizes smooth measurements!



09 Wireless Communication (Wired communication also available)



10 All Necessary Icons on One Screen



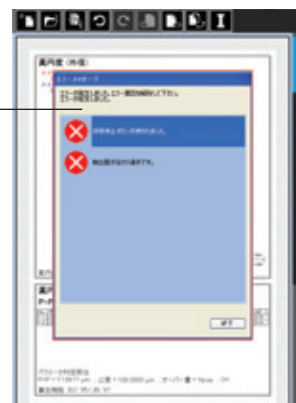
11 Error Judgment (Standard)

If a problem occurs, this function identifies an error and shows a countermeasure to solve it.

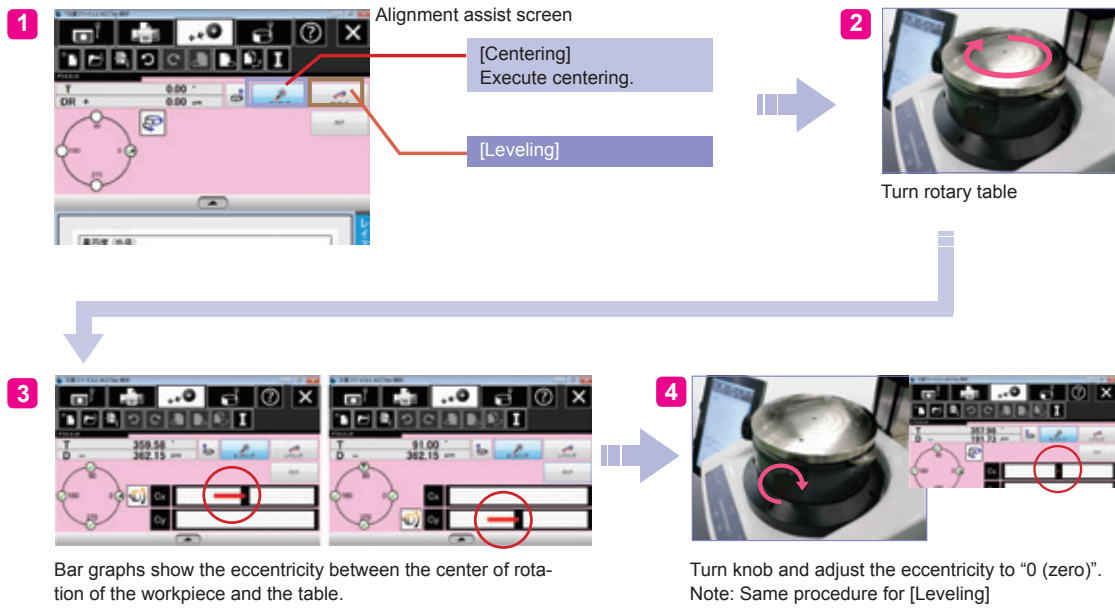
An error message shown with judgment informs an operator of an error status immediately.

Error examples:

- Lower air pressure
- Detector touches a workpiece too much
- Motor overcurrent
- Communication cut-off
- Time-out



12 Alignment Assist Function (Standard)



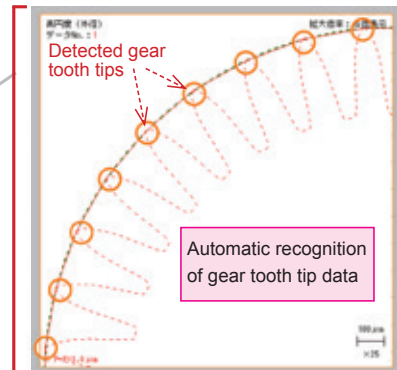
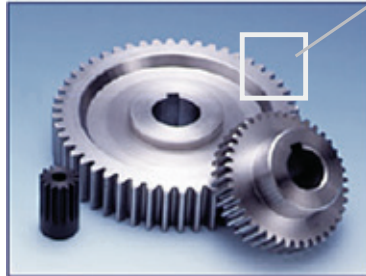
13 Gear Analysis Function (Standard)

This function automatically recognizes gear tooth tips and allows roundness analysis using only tip surface data. (Roundness AI function)



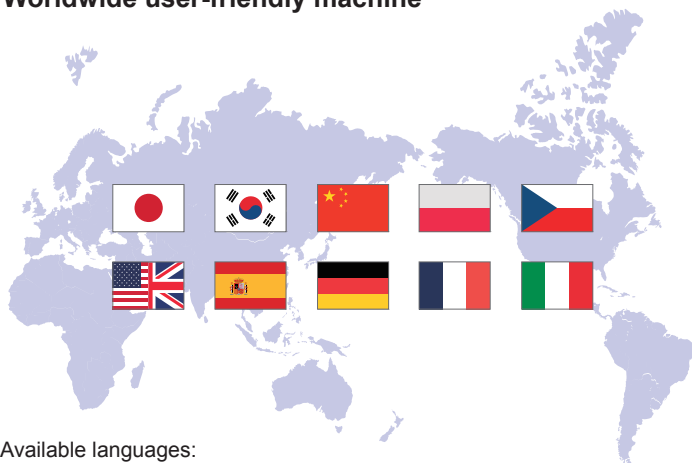
Point

Operators do not need to set a number of notch segments.



14 Multiple Languages (Standard)

Worldwide user-friendly machine



Available languages:
Japanese, English, German, French, Italian, Spanish,
Chinese, Korean, Czech, Polish

Sample of English display



Specifications: (Measuring unit)

Model			RONDCOM TOUCH
Measuring method			Manual
Measuring range	Max. measuring diameter		φ150 mm
	Right/left feed range (X-axis)		± 80 mm (Manual)
	Up/down feed range (Z-axis)		162 mm (Manual)
	Max. loading diameter		φ240 mm
	Max. measuring height		160 mm
Rotation accuracy	Radial direction		(0.04+6H/10,000) μm
	JISB7451-1997		H: Measuring height [mm]
	Axial direction		(0.04+6R/10,000) μm R: Measuring radius [mm]
Rotational speed			6/min Fixed
Rotary table	Table outer diameter		φ148 mm
	Adjustment range	Centering	±2 mm (Manual)
		Tilting	±1 ° (Manual) * Fixed tilting fulcrum mechanism
	Max. load		15 kg
Detector	Detection range		±400 μm
	Measuring force		70 mN
	Stylus shape		φ1.6 mm carbide ball
	Stylus length		17 mm

■ Standard configuration and accessories

- Measuring unit
- Data processor (Tablet PC)
- Measurement and analysis integrated software ACCTee tablet version
- Standard detector holder [E-DT-RA61A]
- Standard detector [E-DT-R272A]
- Stylus [0194 002]
- Regulator (attached to main unit)
- Block gauge for magnification calibration (1.47 mm, 1.49 mm)

■ Option (examples)

- A4 ink jet color printer
- Bench [E-DK-R56A]
- Magnification calibration set [E-MC-R04A]
- Master ball [E-MG-R01B]
- Scroll chuck [E-WJ-R01C]
- Stand for tablet PC

Data processor

Data processor			Tablet PC
OS			Windows®
Communication	Wireless		Bluetooth®
	Wired		USB 2.0
Display device			10.1-inch TFT color LCD with touch screen (electrostatic capacitive panel)
Interface			USB 2.0 × 2 pcs.
Software			ACCTee tablet version
Digital filter			Gaussian, Phase-compensation type 2RC, Spline, Robust (Spline)
Cutoff value	Rotation direction	Low pass	15, 50, 150, 500 peaks/rotation any value in range 15 to 500 peaks/rotation
		Band pass	15 to 150, 15 to 500 peaks/rotation
Display magnification			10 to 200 k (22 stages), Auto
Roundness error evaluation			MZCI (Min. zone circle method), LSCI (Least square circle method), MICI (Max. inscribed circle method), MCCI (Min. circumscribed circle method), N.C. (No correction)
Measuring items	Rotation direction		Roundness, flatness, concentricity, parallelism, coaxiality, squareness, thickness deviation, run-out
Analysis processing function			Notch function (level, angle, cursor), profile characteristic graph display (bearing area curve, amplitude density function, power spectrum) Gear analysis
Special function			Alignment assist function Error judgment function Security by password
Recording system			Color printer (option)

Others

Power supply	Voltage (frequency)		Single-phase AC100 V to 240 V (50/60 Hz)
	Power consumption		Max. 50 VA (Excluding tablet PC and printer)
Air supply	Supply pressure		0.3 MPa to 0.7 MPa
	Working pressure		0.25 MPa
	Air consumption		30 NL/min
	Supply position		Back of measuring unit
	Connecting nipple for air supply		One touch pipe joint for outer diameter φ8 mm hose
Dimensions and weight	Measuring unit	Dimensions	320 (W) × 410 (D) × 500 (H) mm
		Weight	Approx. 26 kg
	Tablet PC	Dimensions	183 (W) × 15.8 (D) × 263 (H) mm
		Weight	Approx. 1 kg

※ For the use of Bluetooth, it is necessary to gain permission in each country.

The use of wireless communication may be restricted depending on overseas regions.

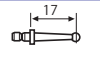
Please contact your nearest ACCRETECH.

※ Please prepare power supply, air supply and connecting hoses before installation.

※ The contents of this catalogue may be changed without notice when products are updated.

Name	Measuring application	Model	External view	Remarks
Ball stylus	General purpose			φ3.2 mm Carbide ball ※ Component of standard detector and styli set
	Small holes			φ1.0 mm Carbide ball ※ Component of standard detector and styli set
	General purpose			φ1.6 mm Carbide ball ※ Standard accessory
	Extra small holes			φ0.5 mm Carbide ball
	Extra small holes			φ0.5 mm Ruby ball
	Extra small holes			φ0.3 mm Ruby ball
L-type stylus	Grooves			R0.25 mm, 55 °conical Sapphire
	Deep grooves			R0.25 mm, 55 °conical Sapphire ※ Component of standard detector and styli set
	Corners			R0.25 mm, 55 °conical Sapphire
	Cutter mark removal			R0.25 mm Sapphire
T-type stylus	Grooves			R0.25 mm, 55 °conical Sapphire
	Grooves			R0.25 mm, 55 °conical Sapphire ※ Component of standard detector and styli set
	Deep grooves			R0.25 mm, 55 °conical Sapphire

* Above mentioned items in are components of a standard detector and **styli set**.

Name	Model	External view	Remarks
Standard detector and styli set			Combination of standard detector [E-DT-R272A] and styli listed to the left Components: 1) Standard detector [E-DT-R272A] 2) General purpose stylus [0194 000] 3) Small hole stylus [0194 001] 4) Deep groove stylus [0194 004] 5) Groove stylus [0194 007] Note: General purpose stylus [0194 002] is not included in this set.



Detector

Name	Model	External view	Specifications	Remarks
Standard	E-DT-R272A	L=17.8mm	Measuring range: $\pm 400\ \mu\text{m}$ Measuring force: 70 mN Front adjustment mechanism ID/OD change function	Standard accessory for RNDCOM TOUCH Stylus for general purpose [0194 002] $\phi 1.6\ \text{mm}$ Carbide ball (Standard accessory) ※ Component of standard detector and styli set General purpose stylus [0194 002] is not included in standard detector and styli set.

Calibrators

Name	Model	External view	Specifications	Remarks
Magnification calibration set	E-MC-R04A		Max. calibration range: 400 μm Min. scale interval: 0,2 μm Weight: 17 kg	—
Master ball	E-MG-R05B		Sphericity: 0,05 μm Material: Chrome bearing steel	E-MG-R05B provided in wooden box.
	E-MG-R01B			—

Bench

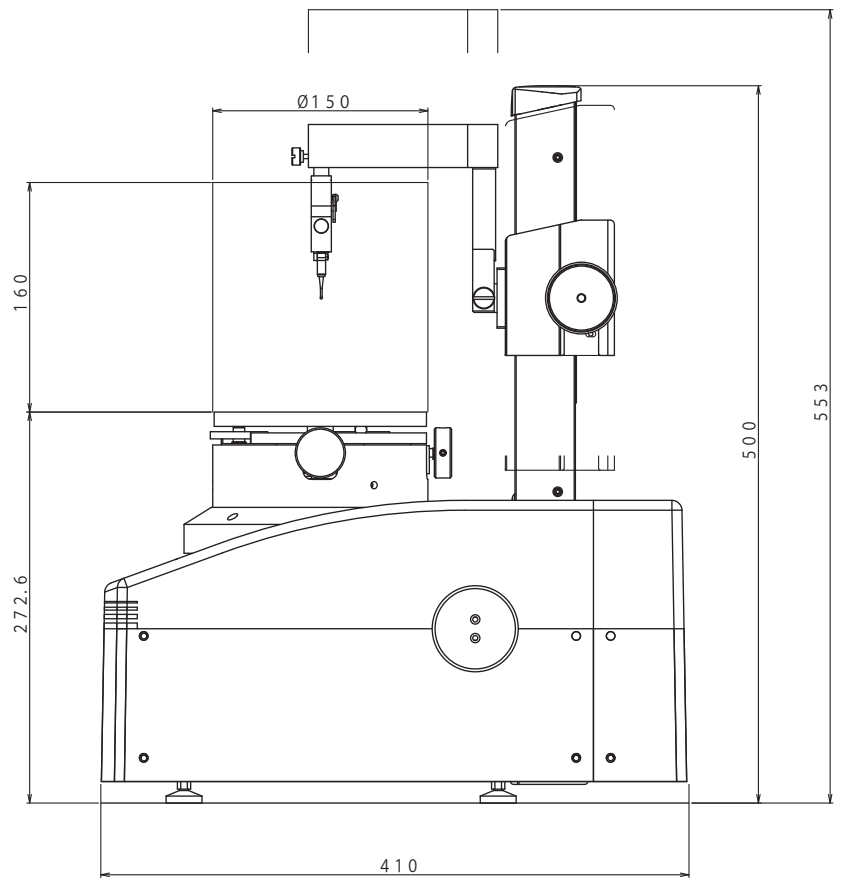
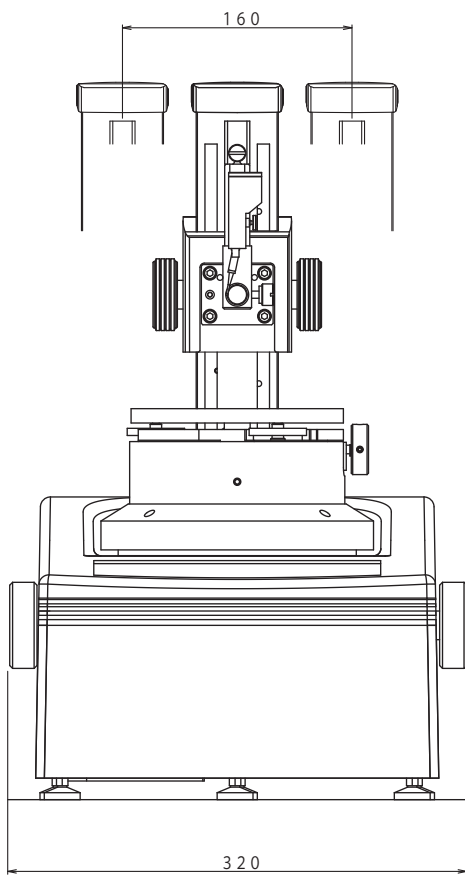
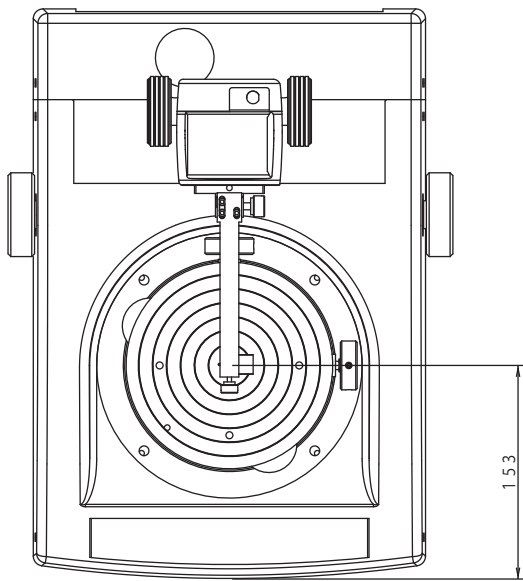
Name	Model	External view	Specifications	Remarks
Bench	E-DK-R56A			Dimensions: 570(W) × 490(D) × 652(H) mm

Name	Model	External view	Specifications	Remarks
Scroll chuck	E-WJ-R01C	Top View Scroll chuck $\phi 61$ to $\phi 90$ ID chuck $\phi 40$ to $\phi 69$ ID chuck $\phi 20$ to $\phi 49$ ID chuck $\phi 2$ to $\phi 36$ OD chuck $\phi 25$ to $\phi 59$ OD chuck $\phi 45$ to $\phi 79$ OD chuck	Securing range : OD $\phi 2$ to 79 mm : ID $\phi 20$ to 90 mm OD : $\phi 118$ mm Height : 41 mm Weight : 1 kg	--
Pin vice set	E-WJ-R411A	Colette A A-1 A-3 Colette B B-2 B-4 Scroll chuck (E-WJ-R01C)	Chuck range A-1 : 0.1 to 1.1 mm B-2 : 1.2 to 2.0 mm A-3 : 2.0 to 2.5 mm B-4 : 2.5 to 3.2 mm	--

Name	Model	External view	Specifications	Remarks
Refrigerating type air dryer	L-WF-R03B		Max. flow: 100L/min Power consumption: 165/195 W (50/60 Hz) Weight: 15 kg	Power supply: 100V AC only Dimensions: 220(W)× 350(D)× 400(H)mm
	L-WF-R24A		Max. flow: 200L/min Power consumption: 180/202 W (50/60 Hz) Weight: 18 kg	Power supply: 230V AC only Dimensions: 226(W)× 410(D)× 473(H)mm CE mark
Oil separator	L-WF-R07A		Filtration: 0,1 μm	Dimensions: 100(W) × 190(H) mm Weight: 1,7 kg
Water separator	L-WF-R08A		--	Dimensions: 100(W) × 80(D) × 280(H) mm
Air purifier set	L-WF-R11A		Oil separator, L-WF-R07A, and water separator, L-WF-R08A, are mounted on a plate	Dimensions: 320(W)×170(D)×378.5(H) mm

Name	Model	External view	Specifications	Remarks
Filter element	63092	--	AFM20P-060AS	For mist separator; model [AWM20-02C-2R]
Micro filter element	630611	--	AFD20P-060AS	For micro mist separator; model [AFD20-02C-2R]
Lubricating oil	—	--	--	180CC / Mobile Vactra Oil #2

Dimensions





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Mon – Fri from 8:30 a.m. to 5:00 p.m.



info@accretech.eu

Germany

Carl Zeiss IQS Deutschland GmbH
73446 Oberkochen
www.zeiss.de/imt
Email info.metrology.de@zeiss.com
Phone +49 7364 20 - 6337

Austria

ACCRETECH (Europe) GmbH
www.accretech.eu
E-Mail info@accretech.eu
Phone +49 (0)89 54 6788 - 0

Switzerland

Osterwalder Messtechnik AG
Sumpfstraße 13
6312 Steinhausen
www.osterwalder-messtechnik.ch
E-Mail info@osterwalder-zug.ch
Phone +41 (0)41 748 19 19

Italy

ACCRETECH (Europe) GmbH
Via Giotto, 7
20032 Cormano
www.accretech.eu
E-Mail info@accretech.eu
Phone +39 02 2316 3291

France

ACCRETECH (Europe) GmbH
14 Chemin des Clos
38240 Meylan
www.accretech.eu
E-Mail info@accretech.eu
Phone +33 (0)476 0440 80

United Kingdom

ACCRETECH SBS UK Ltd.
Unit 2, Leofric Court
Progress Way, Coventry CV3 2NT
www.accretech.eu
E-Mail info@accretech.eu
Phone +44 (0) 2476 651 774

Ireland

JED Metrology Ltd.
21 Tolka Valley Business Park
Glasnevin, Dublin 11
E-Mail sales@jed.ie
Phone +353 1 830 7744

Denmark

ACCRETECH (Europe) GmbH
www.accretech.eu
E-Mail info@accretech.eu
Phone +49 (0)89 54 6788 - 0

Sweden

KMK Instrument AB
Regattagatan 8A
723 48 Västerås
www.kmk-instrument.se
E-Mail info@kmk-instrument.se
Phone +46 (0)21-150 160

Norway

ACCRETECH (Europe) GmbH
www.accretech.eu
E-Mail info@accretech.eu
Phone +49 (0)89 54 6788 - 0

Finland

ACCRETECH (Europe) GmbH
www.accretech.eu
E-Mail info@accretech.eu
Phone +49 (0)89 54 6788 - 0

Netherlands

ACCRETECH (Europe) GmbH
www.accretech.eu
E-Mail info@accretech.eu
Phone +49 (0)89 54 6788 - 0

Spain

Izasa Scientific S.L.U.
Plaza Europa 21-23
08908 L'Hospitalet de Llobregat
Barcelona
www.izasascientific.com
E-Mail marketing@izasascientific.com
Phone +34 902 20 30 80

Portugal

Izasa Scientific, LDA
Avenida do Forte nº 6.
Edifício Ramazzotti - 3º piso 2.24
2790-072 Carnaxide, Lisboa
www.izasascientific.com
E-Mail marketing@izasascientific.com
Phone +351 21 424 73 22

Poland

ACCRETECH – Tosei Hungary Kft.
Liget u. 3/2 3rd floor
2040 Budaörs, Hungary
E-Mail info@accretech.eu
Phone +48 603 53 08 55

Hungary

ACCRETECH – Tosei Hungary Kft.
Liget u. 3/2 3rd floor
2040 Budaörs, Hungary
E-Mail info@accretech.eu
Phone +36 (0)23 232 224

Bulgaria

ACCRETECH – Tosei Hungary Kft.
Liget u. 3/2 3rd floor
2040 Budaörs, Hungary
E-Mail info@accretech.eu
Phone +36 (0)23 232 224

Romania

ACCRETECH – Tosei Hungary Kft.
Liget u. 3/2 3rd floor
2040 Budaörs, Hungary
E-Mail info@accretech.eu
Phone +36 (0)23 232 224

Slovakia

PRIMA BILAVČÍK, s.r.o.
9. května 1182
688 01 Uherský Brod, Czech Republic
www.merici-pristroje.cz
E-Mail bilavcik@pirimab.cz
Phone +420 572 632 561

Slovenia

ACCRETECH – Tosei Hungary Kft.
Liget u. 3/2 3rd floor
2040 Budaörs, Hungary
E-Mail info@accretech.eu
Phone +36 (0)23 232 224

Czech Republic

PRIMA BILAVČÍK, s.r.o.
9. května 1182
688 01 Uherský Brod, Czech Republic
www.merici-pristroje.cz
E-Mail bilavcik@pirimab.cz
Phone +420 572 632 561

Turkey

Yamer Endüstriyel Ürünler Ticaret Ltd. Sti
Karacaoğlu, 6172. Sk. No:8
35070 Bornova/Izmir
www.yamerend.com.tr
E-Mail info@yamer.com.tr
Phone +90 232 342 0693

Serbia

ACCRETECH – Tosei Hungary Kft.
Liget u. 3/2 3rd floor
2040 Budaörs, Hungary
E-Mail info@accretech.eu
Phone +36 (0)23 232 224

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ACCRETECH (Europe) GmbH
Landsberger Str. 396, 81241 Munich, Germany
Phone +49 (0)89 54 67 88 - 0, Fax +49 (0)89 54 67 88 - 10
info@accretech.eu
www.accretech.eu