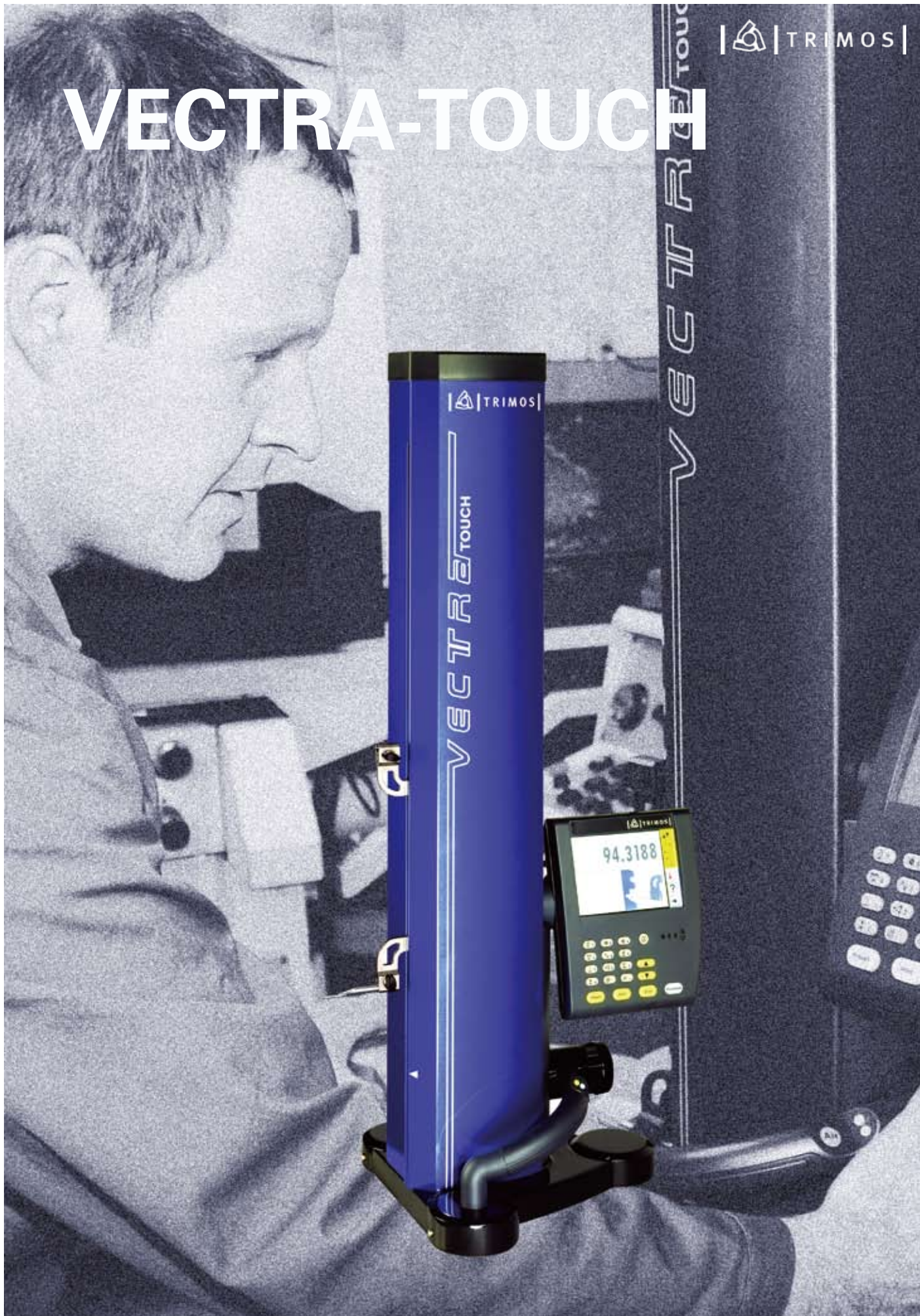


VECTRA-TOUCH



VECTRA-TOUCH

INTRODUCTION

The «Vectra-Touch» height measuring instruments are of universal use in any production field. They are the result of 30 years of experience in development and manufacturing. This experience makes it possible to introduce a product which combines ergonomic design with new technology.

Its reliable concept is a reference for durability. Ease of use and quick performance of all required measuring tasks allow unlimited application in any manufacturing area.

The distinctive design of the Vectra-Touch, as well as its exceptional functionalities, offer the user an ease of use unequalled on the market. The display unit is identical for all models and gathers all assets for a rational use in the workshop. A limited number of keys (19) makes the instrument accessible to any user, whatever his level of training. The robust colour touch screen offer great ease of use. Only essential information will be provided to the user. A graphic assistance guides the execution of all measurements.

Ease of use has been an absolute priority in the requirements, thus resulting in functions, usually considered as complex, such as 2D, programming, statistics, becoming child's play.

Clear display with large digits

Graphic help for measuring

Printing of reports on USB printer

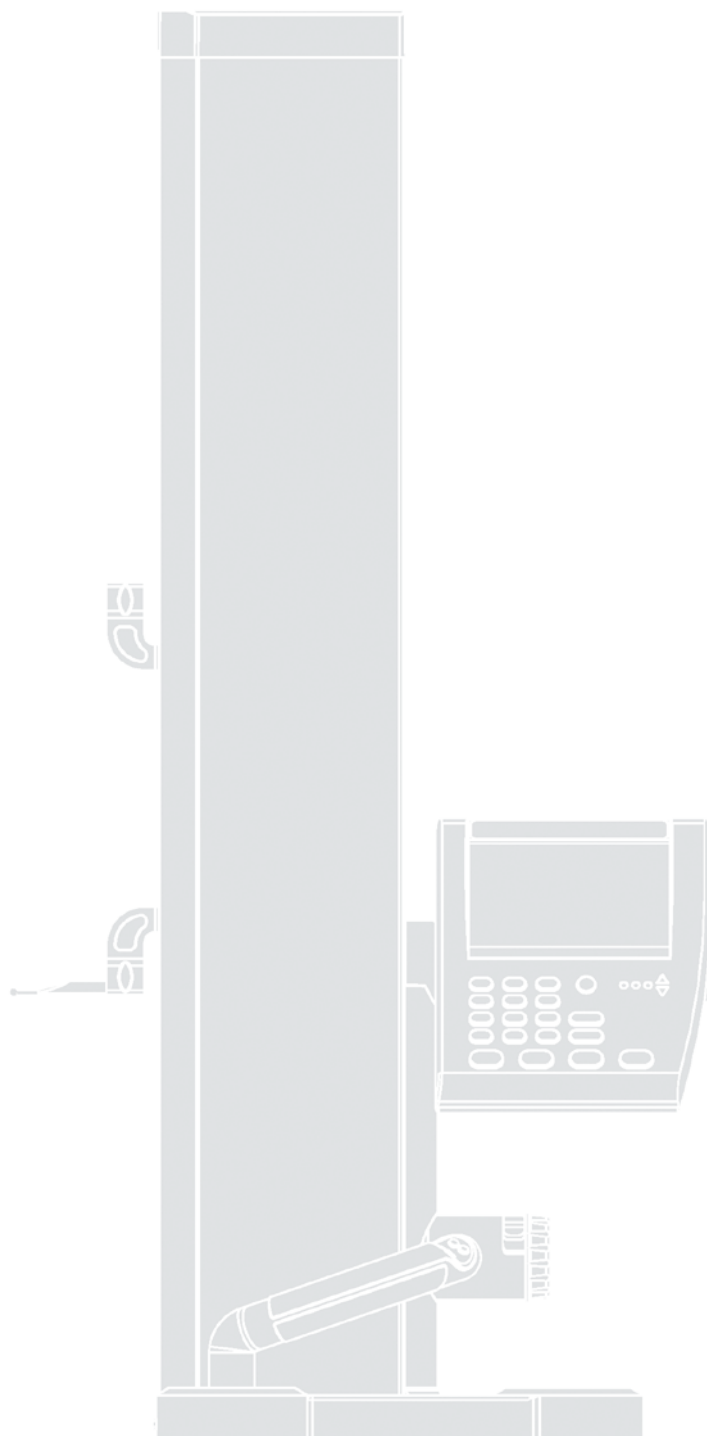
Backup on external support (USB key)

Measuring range from 300 mm to 2000 mm

Available in manual or motorized version




















Working on accumulator

Large range of accessories



VECTRA-TOUCH

DESCRIPTION

 Surfaces	 Angle measurements	 Temperature compensation
 Internal/external diameters	 Calculation mode	 On line help
 Centerline distances	 Tolerances	 USB
 Min / Max / Delta	 2D measuring mode	 RS232
 9 references	 Measurement sequences	 Wireless communication (optional)
 Squareness measurements	 Statistical analysis	 Automatic displacement
 Graphic help "Easy Scan"		



VECTRA-TOUCH

DISPLAY/SOFTWARE

The colour display facilitates the reading of all measuring parameters. The functions are easily and direct accessible. The display unit is identical for all models.

Very simple graphical interface

Date and time display

Display at environmental temperature

Acoustic and graphic probing indicator

Graphic display of squareness

Color touch screen

Measuring in 2D mode

Programming of measuring sequences

Edition software for measuring sequences WinTV100

Statistical analysis

Temperature compensation feature

Integrated on line help



TECHNICAL SPECIFICATIONS

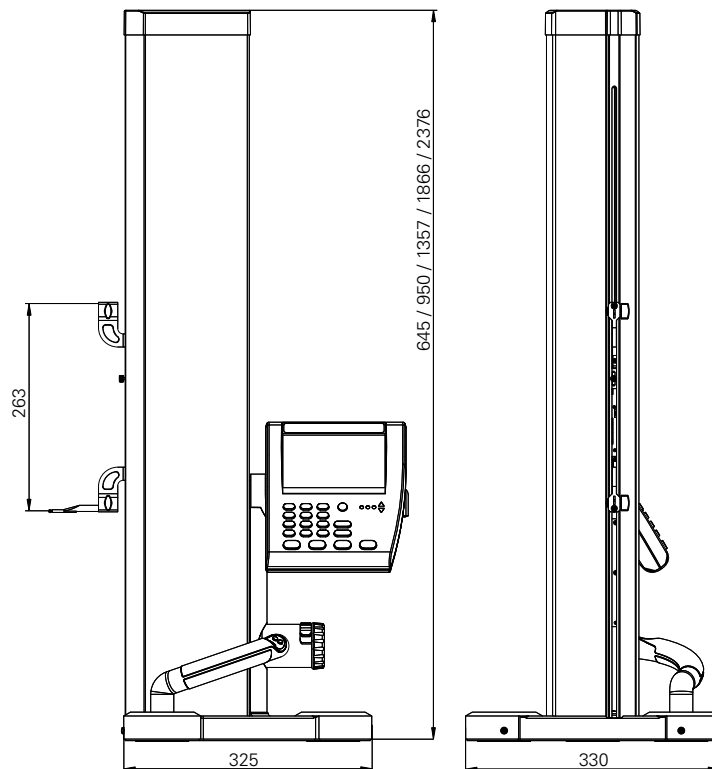
VECTRA-TOUCH		300	600	1000	1500	2000
Measuring range	mm(in)	305 (12)	610 (24)	1016 (40)	1524 (60)	2034 (80)
With second probe holder	mm(in)	267 (22)	872 (34)	1278 (50)	1786 (70)	2296 (90)
Max. permissible errors ¹⁾	µm	2 + L(mm)/400			2.5 + L(mm)/300	
Repeatability (2s) ¹⁾	µm	1 (Ø : 2)				
Resolution	mm(in)	0.01 / 0.001 / 0.0001 (.001 / .0001 / .00001)				
Manual carriage displacement speed	mm/s	1000				
Motorized carriage displacement speed	mm/s	150				
Measuring force	N	0.5 ... 1.8				
Power supply limit	h	> 8				
Frontal squareness deviation ²⁾	µm	4	6	10	15	25
Data output		2 x RS232 C and 2 x USB (A and B)				
Operational temperature	°C	+10 ... +40				
Temperature of storage	°C	-10 ... +40				
Total height	mm	645	950	1357	1866	2376
Weight	kg	20	23	27	39	44

¹⁾ Values valid with standard ball probe 509 05 20 0074 at temperature of 20±0.5°C and relative humidity of 50±5%.

²⁾ With electronic probe.

VECTRA-TOUCH

DIAGRAM



STANDARD INSTRUMENT

The Vectra-Touch instruments are supplied as follow :

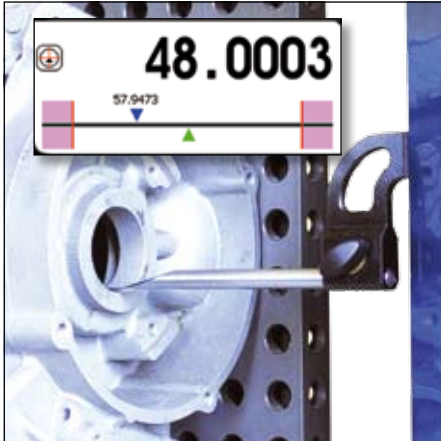
• Instrument according to specifications	• User's manual
• Rechargeable battery pack, charging unit	• Test certificate
• Ruby ball measuring insert Ø 4 mm, (509 05 20 0074)	• Hex screw driver 2 mm (290 92 0001 001)
• Setting gauge (609 01 024)	• Hex screw wrench 5 mm (290 000911 009)
• Protection cover	

CODE NUMBER

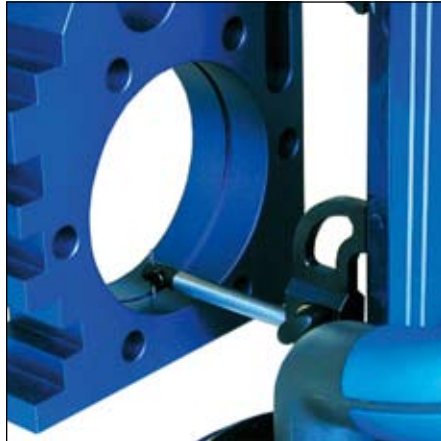
Manual model	Motorized model	
700 107 10 01	700 107 10 02	Measuring range 300 mm
700 107 20 01	700 107 20 02	Measuring range 600 mm
700 107 30 01	700 107 30 02	Measuring range 1000 mm
700 107 40 01	---	Measuring range 1500 mm
700 107 50 01	---	Measuring range 2000 mm

VECTRA-TOUCH

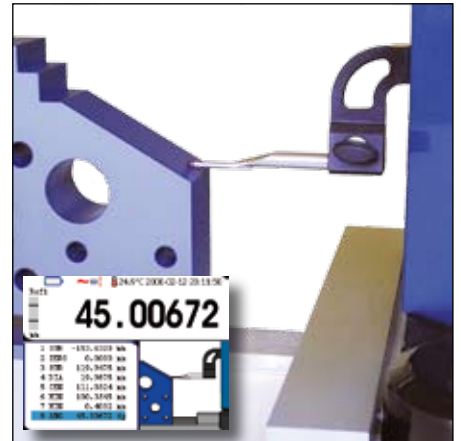
APPLICATIONS



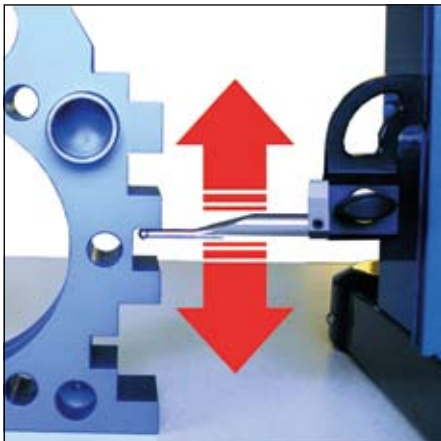
Diameter measurement using the adequate measuring insert



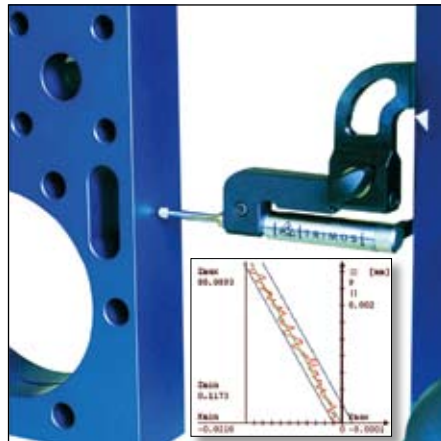
Diameter measurement of an internal groove using a measuring insert with pin



Measurement with graphic help display



Measurement with automatic displacement in programming mode



Checking of squareness using an additional electronic probe and colour print-out of the curve



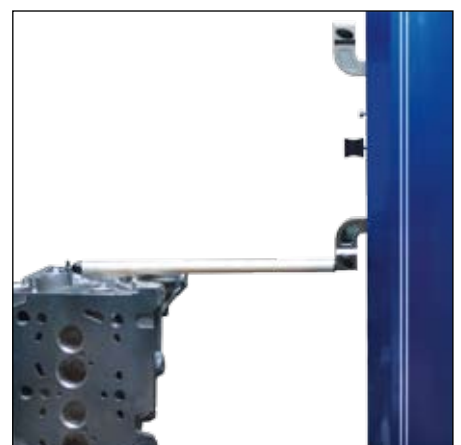
Measurement using temperature compensation system with optional external sensor

	A	B	C	D
1	1	CST	3.9794	mm
2	2	SUR	-153.7628	mm
3	3	ZERO	0	mm
4	4	SUR	24.00	mm
5	5	SUR	17.00	mm
6	6	CAL		mm
7	7	DIA		mm
8	8	CEN		mm
9	9	DIA		mm
10	10	CEN	164	mm
11	11		50	mm
12	12		3.8794	mm
13	13		66.3968	mm
14	14		0.0168	mm
15	15		89.98853	dg
16	16		0.0075	mm
17	17	SUR	-116.461	mm
18	18	ZERO	0	mm
19	19	ANG	44.88855	dg

Storage of all data to an external memory, e.g. USB Memory Stick



Wireless communication by Bluetooth or Wi-Fi (optional)



Standard probes up to 300 mm (on special request up to 500 mm)