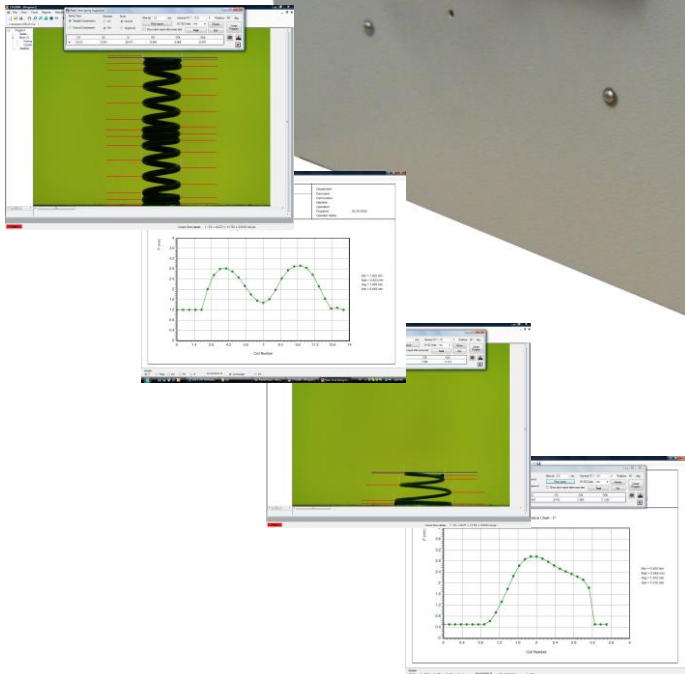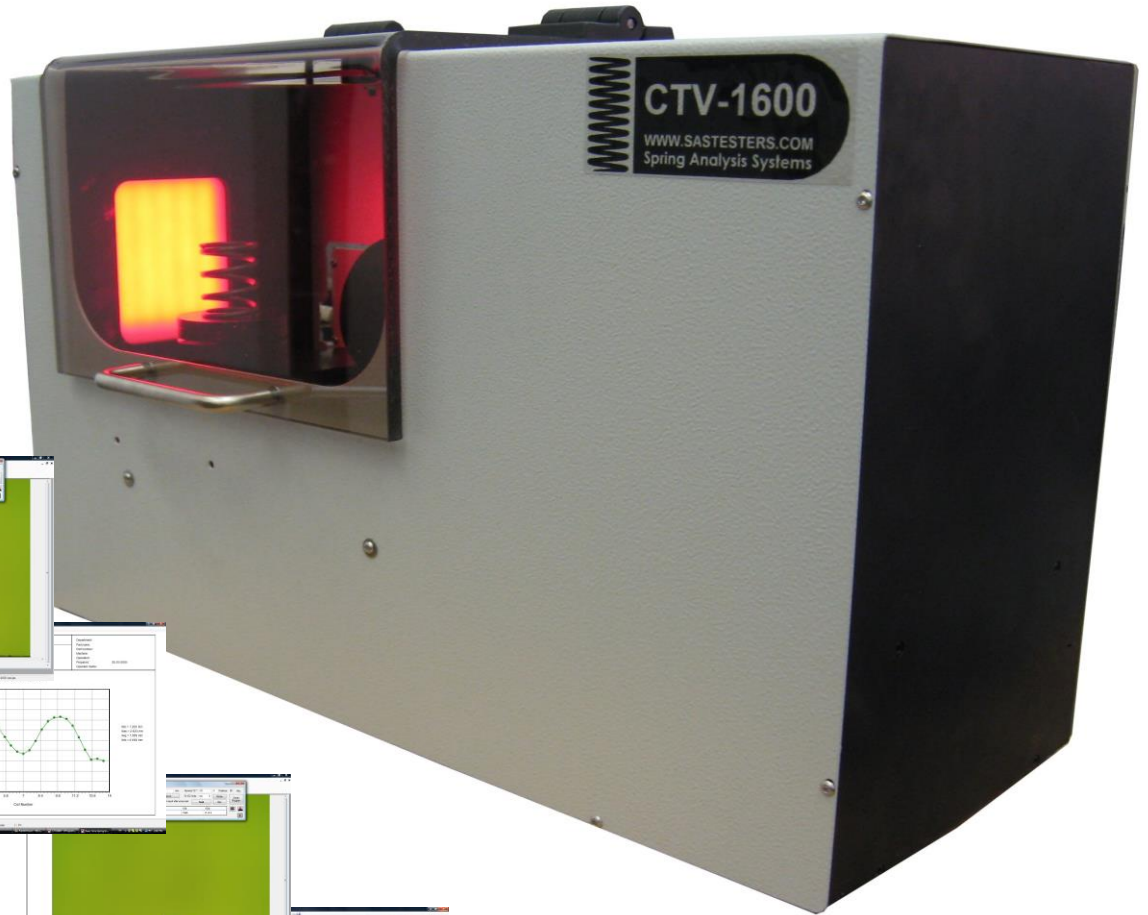# CTV 1600 – 70
Compression Spring E1-E2 and Pitch
Trace Vision System Series

Specifications

Camera Type	3Mpixel Industrial CMOS		5Mpixel Industrial CMOS		10Mpixel Industrial CMOS	
Lens	Telecentric		Telecentric		Telecentric	
Lens connection	C type		C type		C type	
Minimum wire size	0.78mm, 0.031"		0.56mm, 0.022"		0.42mm, 0.016"	
Maximum part size	OD 76.00mm (2.992") L_0 57.00mm (2.244")	OD 57.00mm (2.244") L_0 76.00mm (2.992")	OD 67.69mm (2.665") L_0 50.83mm (2.001")	OD 50.83mm (2.001") L_0 67.69mm (2.665")	OD 76.00mm (2.992") L_0 57.00mm (2.244")	OD 57.00mm (2.244") L_0 76.00mm (2.992")
Includes W servo axis	Yes		"Yes		Yes	
Vision space resolution	0.039mm 0.00154"		0.028mm 0.00110"		0.021mm 0.00082"	
Vision space accuracy	±0.0195mm (±0.00077") with sub-pixel interpolation		±0.014mm (±0.00055") with sub-pixel interpolation		0.0105mm (±0.00041") with sub-pixel interpolation	

Includes SPC	Yes- Includes full graphing and reporting package
User Interface	19" Wide LCD display
PC minimum configuration	Intel I5 Minimum, 8Gbyte RAM 256 Gbyte HDD
Operating System	Windows Win10 Pro edition
Optional Components	• Industrial enclosure for PC, required for shop-floor use. • Programmable IO Interface including IO hardware • 200mm (8") Z axis for parts with L_0 up to 200mm (8").
Languages	English, German, Portuguese,Turkish and Russian (translation to other languages available).

FEATURES:

- All models include motorized W axis with position accuracy of 0.1 degrees
- Excellent R&R Performance
- SPC Control Charts, Analysis and Reports
- Optional 3 Mpixel, 5 Mpixel or 10 Mpixel Cmos Telecentric camera and lens on all models
- Motorized Z axis models available for part lengths up to 200mm

CTV1600-70Z with servo controlled Z axis available for spring lengths up to 200mm

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