Optical measurement

SYLVAC-SCAN

DESCRIPTION

S145

- New high-capacity optical measuring machines for static and dynamic measurement of various elements on cylindrical parts.

- The parts can be mounted in between centres or held in place with various accessories.

- Attractive design and sturdy construction with many new features: bi-telecentric optical system, high resolution camera, precision rotary headstock with integrated and protected daily calibration standard, motorised tailstock, quick and easy accessory changing system, integrated temperature sensors, LED indicator of the overall status of the measured part (GO/NG), light barrier automatically stops the machine in case of intrusion, removable roof for easy loading of heavy workpieces up to 100 kg and exceptional precision and repeatability

- Delivered complete with a PC and the Reflex SCAN+ software, which allows a multitude of elements to be measured easily and intuitively.

- Machine delivered fully equipped «Automation Ready» as standard

Automation Ready

LED status light indicator

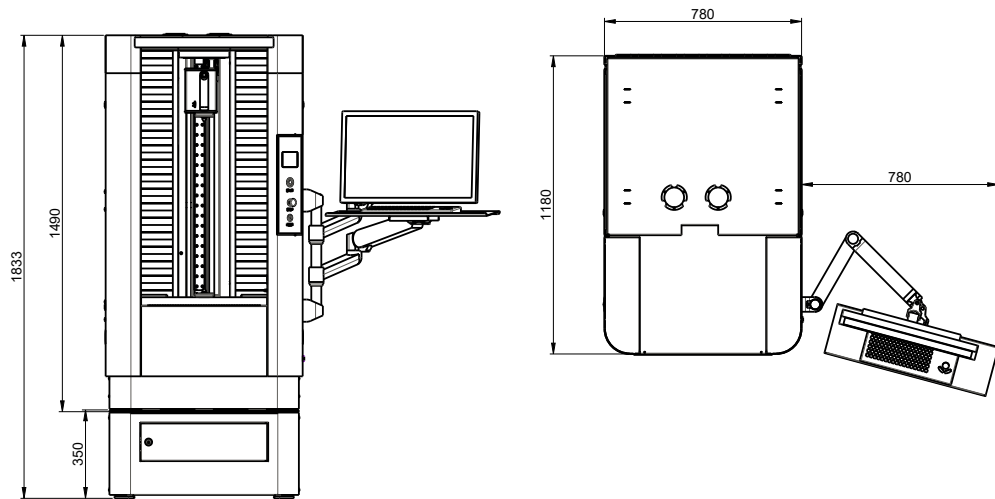One click measurement

Software
Reflex SCAN +

Table with drawer

SWISS MADE

TECHNICAL SPECIFICATIONS

		902-4145	
		Sylvac SCAN S145	
		Diameter	Length
Measuring range	mm	145	615
Resolution up to	mm	0.0001	0.0001
Max. error	µm	$1.5 + (D[mm]/100)$ µm [1]	$4 + (L[mm]/200)$ µm [1]
Repeatability 2δ	µm	0.5	1.0
Holding capacity diameter	mm	254	615
Axial positioning speed	mm/s	Up to 160	
Headstock		Rotary headstock for static and dynamic measurements	
Max. weigth of part	kg	100	
Machine's weight	kg	530	

[1] 20° C ± 1° C

STANDARD DELIVERY

- Instrument according to technical specifications
- Adapter for Morse 2 (902-6260)
- Computer with screen, keyboard and mouse
- Table 350mm (700mm optional, 902-6611)

- Windows multilingual operating system
- Sylvac Reflex SCAN Software +
- Manual
- Accessories 902-6210, 902-6380 & Machine stand, with screen & keyboard holder

J

Optical measurement
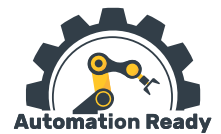
SYLVAC-SCAN

DESCRIPTION

S145L

- Optical machine similar to the S145, but in a long version, allowing measurements up to 1'280mm long and 145mm in diameter.
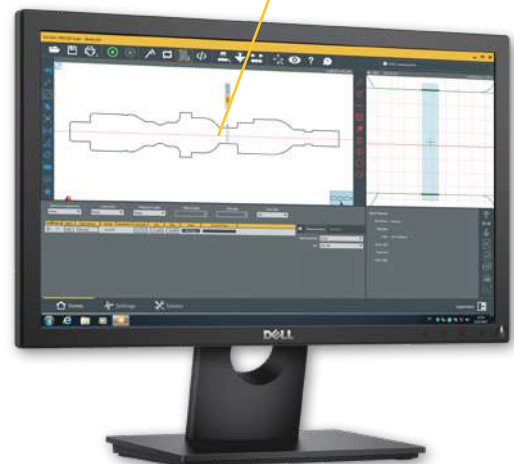- Machine delivered fully equipped «Automation Ready» as standard

Version L !
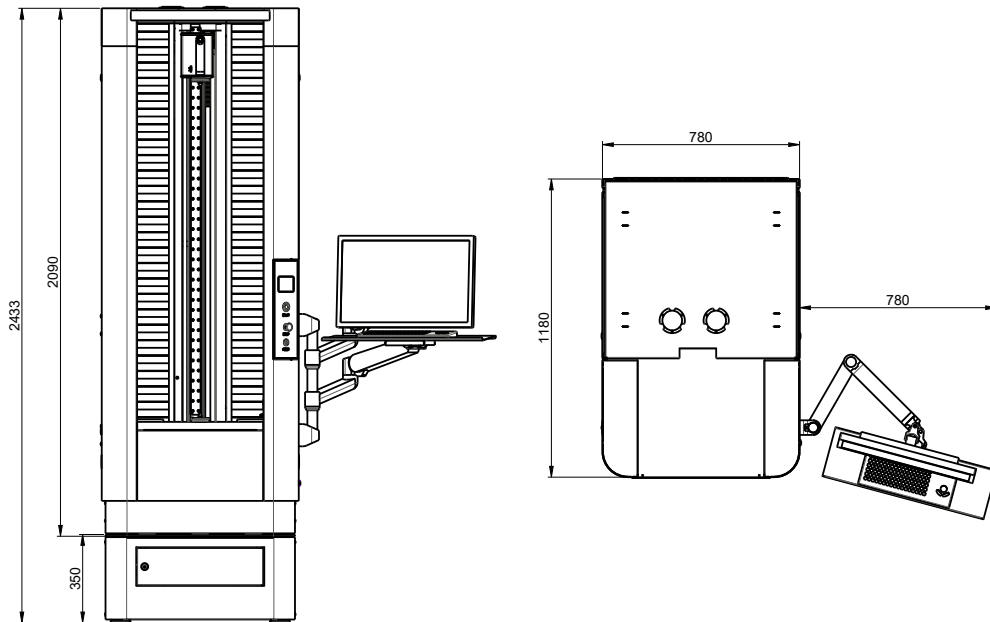
LED status light indicator

One click
measurement

Automation Ready

Software
Reflex SCAN +

SWISS MADE

TECHNICAL SPECIFICATIONS

		902-4147	
		Sylvac SCAN S145L	
		Diameter	Length
Measuring range	mm	145	1280
Resolution up to	mm	0.0001	0.0001
Max. error	µm	$1.5 + (D[mm]/100)$ µm [1]	$4 + (L[mm]/200)$ µm [1]
Repeatability 2δ	µm	0.5	1.0
Holding capacity diameter	mm	254	1280
Axial positioning speed	mm/s	Up to 160	
Headstock		Rotary headstock for static and dynamic measurements	
Max. weigth of part	kg	100	
Machine's weight	kg	650	

[1] 20° C $\pm$ 1° C

STANDARD DELIVERY

- Instrument according to technical specifications
- Adapter for Morse 2 (902-6260)
- Computer with screen, keyboard and mouse
- Table 350mm (700mm optional, 902-6611)

- Windows multilingual operating system
- Sylvac Reflex SCAN Software +
- Manual
- Accessories 902-6210, 902-6380 & Machine stand, with screen & keyboard holder

J

- Optical machine similar to the S145, but in a ultra long version, allowing measurements up to 1'800mm long and 145mm in diameter.
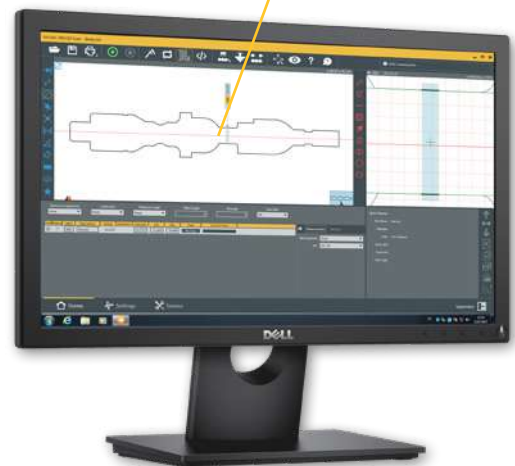- Machine delivered fully equipped «Automation Ready» as standard

Version L !
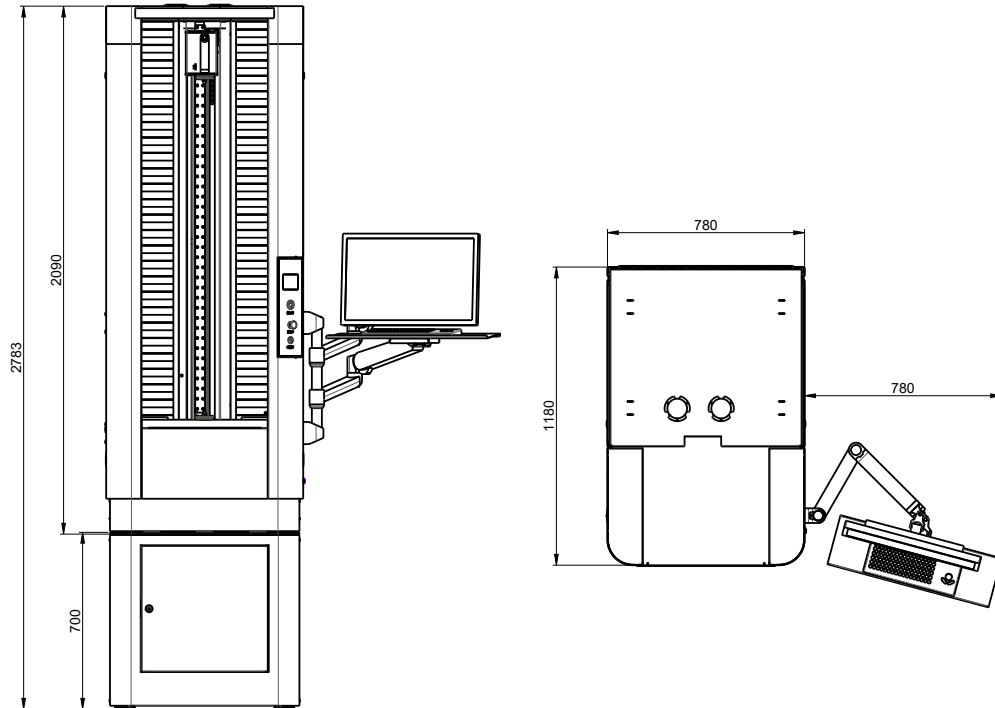
LED status light indicator

One click measurement

Automation Ready

Software
Reflex SCAN +

SCAN S145XL

SWISS MADE

§ sylvac

TECHNICAL SPECIFICATIONS

		902-4148	
		Sylvac SCAN S145XL	
		Diameter	Length
Measuring range	mm	145	1800
Resolution up to	mm	0.0001	0.0001
Max. error	µm	$1.5 + (D[mm]/100)$ µm [1]	$4 + (L[mm]/200)$ µm [1]
Repeatability 2δ	µm	0.5	1.0
Holding capacity diameter	mm	254	1280
Axial positioning speed	mm/s	Up to 160	
Headstock		Rotary headstock for static and dynamic measurements	
Max. weigth of part	kg	100	
Machine's weight	kg	960	

[1] 20° C $\pm$ 1° C

J

STANDARD DELIVERY

- Instrument according to technical specifications
- Adapter for Morse 2 (902-6260)
- Computer with screen, keyboard and mouse
- Manual
- Windows multilingual operating system
- Sylvac Reflex SCAN Software +
- Accessories 902-6210, 902-6380 & Machine stand, with screen & keyboard holder