

Optical measurement

SYLVAC-SCAN

DESCRIPTION

F60 & F60T

- Vertical optical measuring machines for static or dynamic measurement of various elements on cylindrical workpieces.
- The parts can be mounted in between centers or held in place with various accessories.
- Attractive design and robust construction including many new features: Bi-telecentric optics, high-resolution CMOS camera, rotary headstock with integrated and protected daily calibration standard, quick and easy accessory changing system, integrated temperature sensors, LED indicator of the overall status of the measured part (GO/NG)
- The machine can be operated with the sliding door closed or open, with a light barrier automatically stopping the machine in case of intrusion.
- Reflex SCAN+ concept for measuring workpieces without prior programming at the touch of a button
- Available with tilt system (T) for true comprehensive thread measurement
- Delivered with a complete computer and the Reflex SCAN+ software allowing a multitude of elements to be measured in a simple and intuitive way.
- Machines that can be delivered in «Automation Ready» version on request



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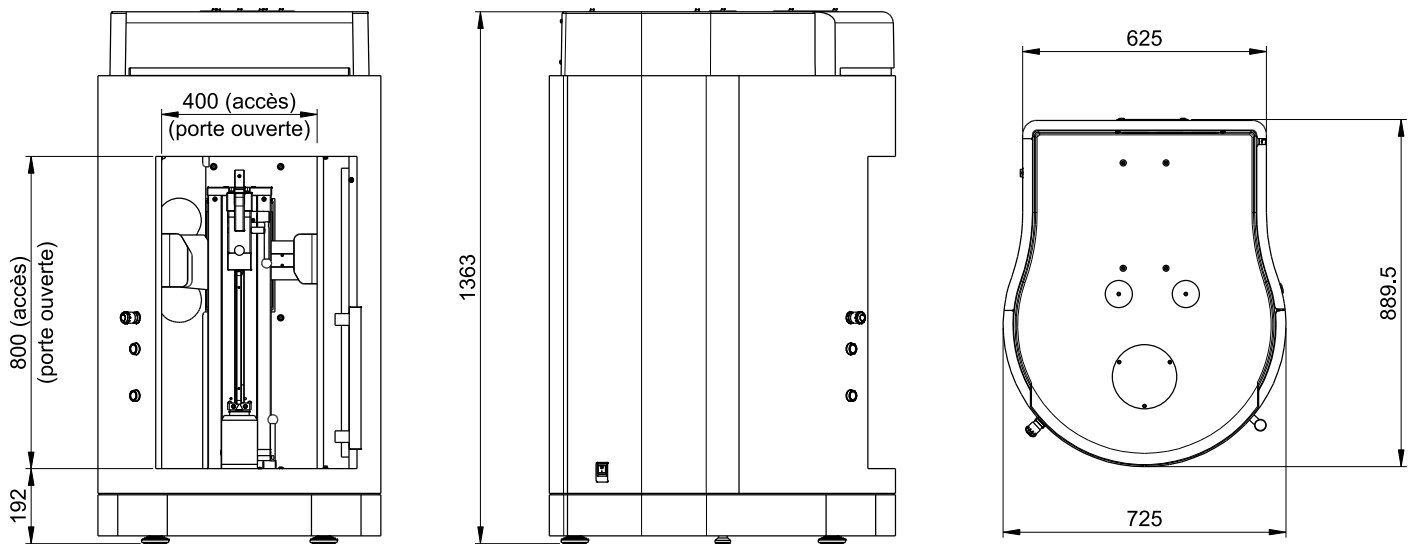


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DIMENSIONAL DRAWINGS

F60 & F60T



TECHNICAL SPECIFICATIONS

		902-4060		902-4065	
		Sylvac SCAN F60		Sylvac SCAN F60T	
		Diameter	Length	Diameter	Length
Measuring range	mm	64	300	64	300
Resolution up to	mm	0.0001	0.0001	0.0001	0.0001
Max. error	µm	1 + (D[mm]/100) µm ¹⁾	3 + (L[mm]/200) µm ¹⁾	1 + (D[mm]/100) µm ¹⁾	3 + (L[mm]/200) µm ¹⁾
Repeatability 2σ	µm	0.5	1.8	0.5	1.8
Holding capacity diameter	mm	120	315	120	315
Headstock	Rotary headstock for dynamic measurements				
Tilting for thread measurement		-		• 30°	
Axial move speed	mm/s	Up to 100mm/s			
Max. weight of part	kg	10			
Machine's weight	kg	265			

¹⁾ 20° C ± 1° C

STANDARD DELIVERY

- Instrument according to technical specifications
- Accessories : 2x 902-6202, 902-6161, 902-6212
- Computer with screen, keyboard and mouse
- Windows multilingual operating system
- Sylvac Reflex SCAN Software +
- Manual



Unique helix tilting system by Sylvac, for more comprehensive thread measurements.