sylvac

*Experts in connected metrology !*




*Discover our brand new optical machine SCAN S145XL incorporating the latest technology and our easy to use Reflex-Scan+ software, including our renowned, patented Reflex-Click technology for one click measurement of cylindrical parts without preprogramming.*

SCAN S145XL

### Super fast

Precise measurement of cylindrical parts in only a few seconds.

### Easy to use

Make a complete 2D Scan in only a few seconds with just one click.

### Save time and money

Reduce inspection time, scrap, increase productivity, save money.

**Sylvac SA** - Avenue des Sciences 19, 1400 Yverdon-les-Bains (CH)
Tel. +41 21 637 67 57 - Email. info@sylvac.ch - Web. www.sylvac.ch

SYL2403-F-145X-E

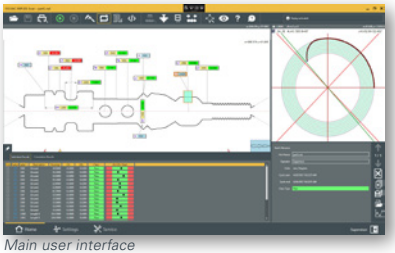
## SUMMARY

**Cost Savings at Every Turn:** Our non-contact machine is designed for the measurement of extra large cylindrical parts. One of our machine can handle virtually all measurements (static and dynamic) on cylindrical parts up to 145mm wide and 1800mm long. With a complete 2D part scan taking a few seconds, you can reduce inspection time, minimize scrap, and increase overall productivity.

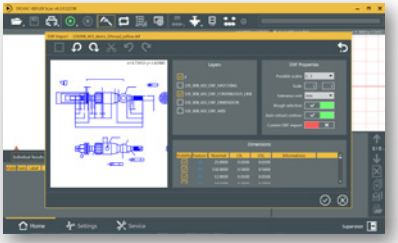
**Intuitive Operation:** Enjoy easy operation right at your workplace with the new touch screen control panel. The dynamic LED indicator and intuitive Reflex SCAN+ concept provide real-time feedback on the measured part's status (GO/NG) and operator messages. No prior programming is required—just a simple touch-button solution.

**Precision and Efficiency:** Experience exceptional precision with our no-contact machine's bi-telecentric optical system and high-resolution CMOS camera. It features a precision sliding headstock with an integrated and protected daily standard, as well as a quick and hassle-free accessory changing system. The machine also includes integrated temperature sensors and exists with or without tilt system for true comprehensive thread measurement.

**Seamless Integration:** Our offering includes the Reflex SCAN+ software and a PC, empowering you to effortlessly measure a wide range of elements in an intuitive manner. With its 'Automation Ready' configuration, the machine seamlessly integrates into your workflow.



*Main user interface*



*CAD import module*

## DATA

| | | 902-4148 - SCAN S145XL | |
|---|---|---|---|
| | | Diameter | Length |
| Measuring range | mm | 145 | 1800 |
| Resolution | mm | 0.0001 | |
| Accuracy | µm | 1.5 + (D[mm]/100) µm [1] | 4 + (L[mm]/200) µm [1] |
| Repeatability 2**δ** | µm | 0.5 | 1.0 |
| Holding capacity | mm | 254 | 1800 |
| Axial positioning speed | mm/s | Up to 160 | |
| Headstock | | Rotary headstock for static and dynamic measurements | |
| Max. part weight | kg | 100 | |
| Machine weight | kg | 797 | |