



**COORD 3**

30 years of experience in measuring machines

# SPEED

3-D positioning speed: 0,53 m/s  
3-D acceleration: 0,85 m/s<sup>2</sup>

# PRECISION

$$E=(10+15L^*) \mu\text{m}$$

$$R=10 \mu\text{m}$$

\*L= measured length in meters  
Accuracy referred to the size 40-12-18

With these targets firmly established, the machine structure was designed having as its objectives these simple yet fundamental key concepts:

- lightness
- rigidity
- driving systems – control

The machine's moving parts are made largely of light alloys. Two different principles have been implemented for axes movement. With the exception of the X-axis longitudinal guide, which is based on mixed system, air bearings and rollers, all the other axes run on pneumostatic pads. This mixed solution means that the machine combines the qualities of smoothness and precision typical of the pneumostatic pad systems with the rigidity and compactness only roller systems can give.

By using software compensation of 24 parameters, levels of precision previously unheard of can be reached.

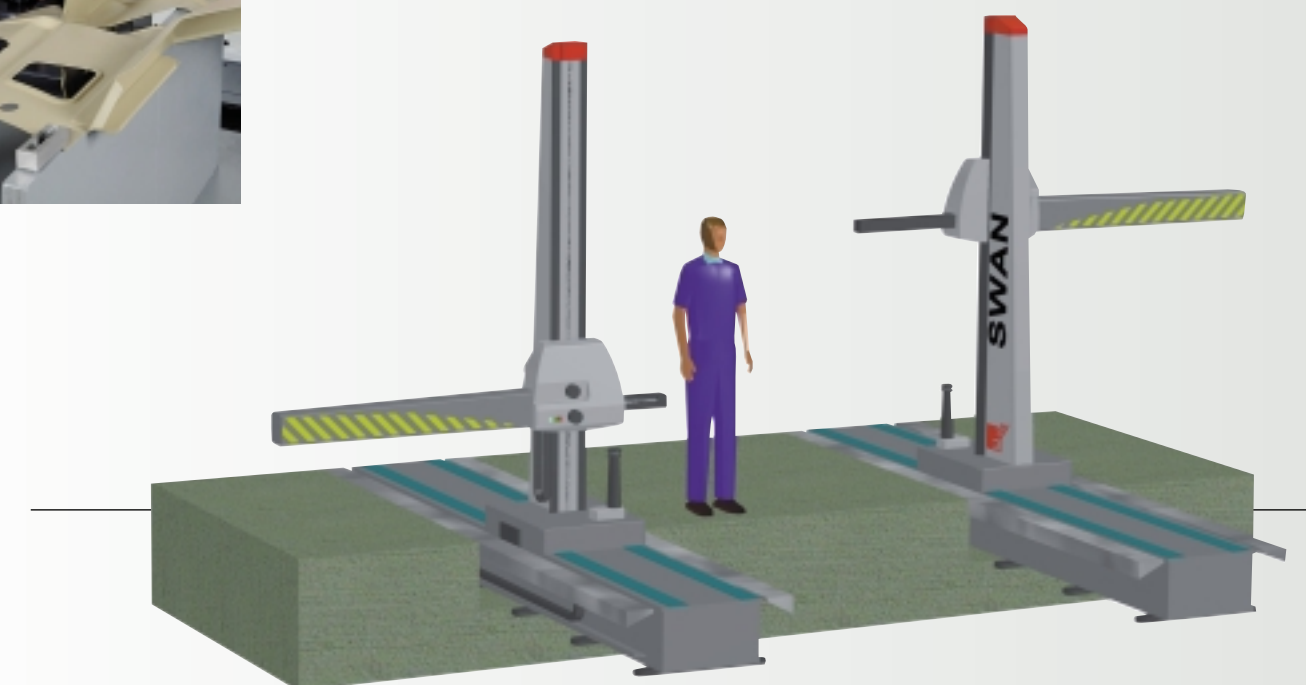
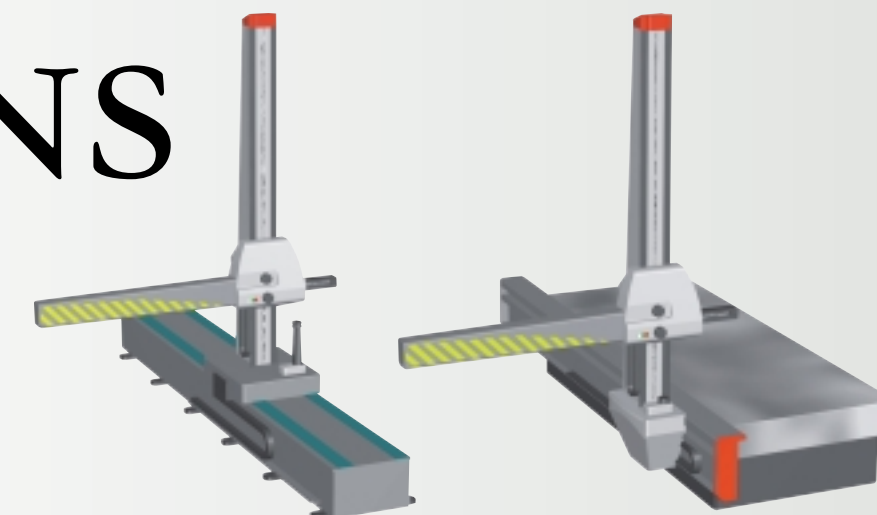


SWAN is an extremely versatile machine. In addition to the Manual version, and a version with Numerical Control, a third version with disengageable drives is available for alternate operation in Manual or NC mode.

SWAN comes in one of two configurations:

- With a lateral guide attached to the base;
- With an independent guide to be secured to the floor.

# CONFIGURATIONS



# RELIABILITY

Coord3 has drawn on the benefit of its vast experience in the production of marking out machines to make the SWAN a machine that successfully combines maximum reliability with minimal operating costs.

# SWAN

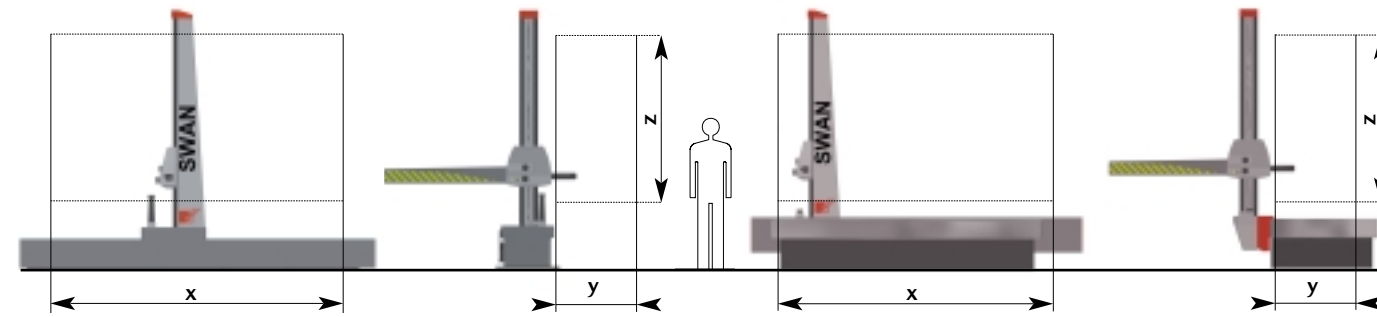
SWAN has been created to answer measuring requirements on large dimension components, for instance:

- Measurement of prismatic elements
- Verification of surfaces belonging to free shapes
- Continuous scanning with touch and optical probes
- Marking out of models, casts, and sheets

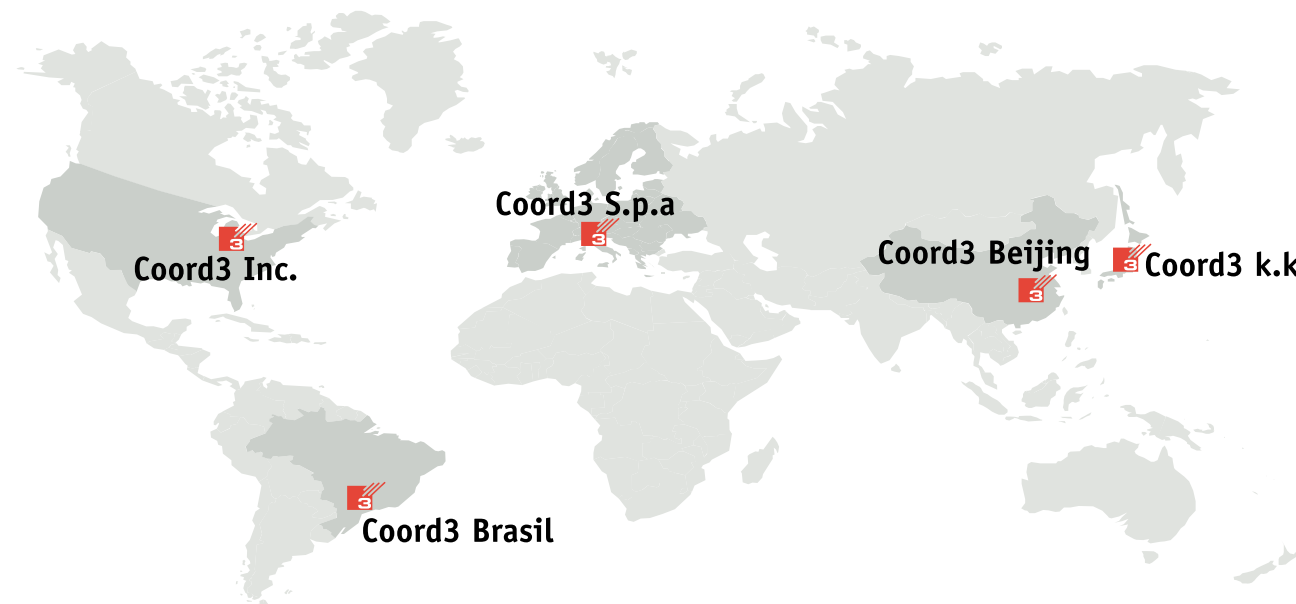


## SWAN SI

## SWAN L



Useful x-axis strokes: 2000 - 2500 - 3000 - 4000 - 5000 - 6000 -...12000  
 Useful y-axis strokes: 1000 - 1200 - 1500  
 Useful z-axis strokes: 1200 - 1500 - 1800 - 2000



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All specifications listed in this brochure are subject to change without notice. Further information available on data sheet.

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HORIZONTAL ARM MEASURING MACHINE

**COORD3**