

PP6 - Pick & Place machine for valve measurement

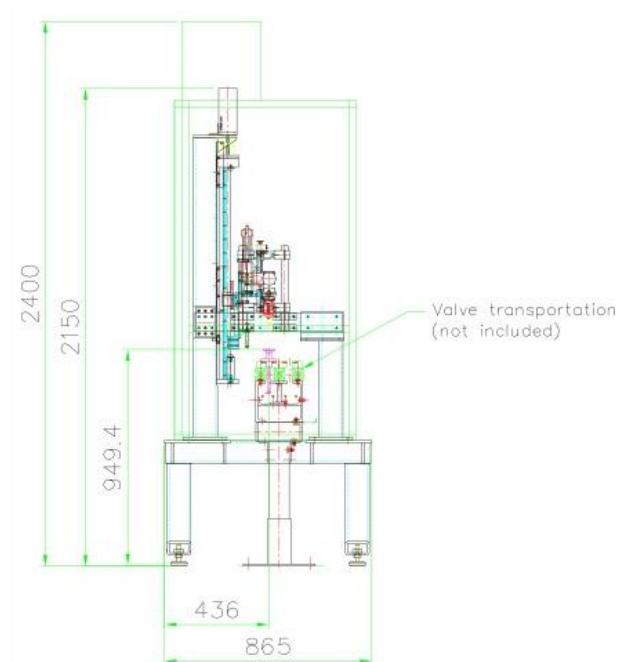
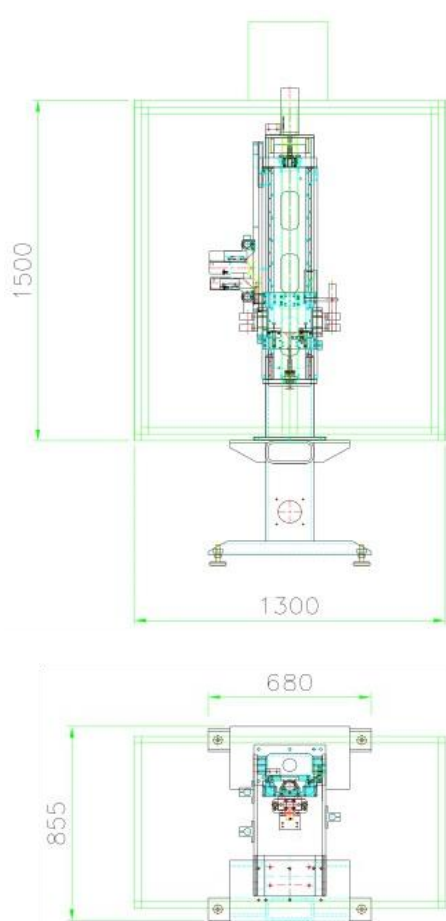


Description

PP6 is a quick and compact machine designed to perform static measurements on scanned profiles of cylindrical objects, specifically ICE valves. It has been installed in several ICE valves production lines. It is suitable to work in both directions, left to right and right to left, and to pick-up/off-load valves directly from/to the conveyor belt used to transport them along the line. It is capable of measuring Pass or Truck valves with a simple configuration of the machine. Moreover, it provides PLC signals to manage NOK valves rejection and valves separation on the line.

Main Characteristics

Weight	Dimensions WxDxH [mm]	Productivity	Measurable piece range			Power Supply		
			Head	Stem	Total length	Voltage	Frequency	Nominal Current
Machine 370 kg	1300x855x2400	Up to 600 pcs/h	ϕ 20÷56 mm	ϕ 5÷13 mm	90÷250 mm	400 Vac Three- Phase + Neutral + Earth	50/60 Hz	10 A
Electrical Cabinet 250 kg								
Total with wooden box 850 kg								



Measurements Accuracy and Repeatability

Geometrical Analysis	Type of Measure	Accuracy	Repeatability
Head diameter	Average Diameter	1,5 μm	1 μm
Overhead gage diameter	Min & Max Diameter	3 μm	3 μm
Groove radius	Collar Diameter	10 μm	12 μm
Groove gage diameter	Seat Corner Radius	0,1°	0,1°
Stem diameter head side	Length & Height	10 μm	10 μm
Stem diameter tip-end side			
Fillet diameter			
(Anything that can be measured on shadow projection profile)			