***PASSI TEST***

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***Passi Test*** is a tool designed for those who need to know accurately the passive condition of the stainless steel. It consists of a “probe pen” – which will be placed on the surface to be tested – connected to an electrochemical system and external reading unit.

***Passi Test*** measures the open-circuit potential and the nobility of a metal (and consequently its resistance to corrosion). The test, which is non-destructive, nor damaging, is fast (the result is given in about 15 seconds) and numerical: while the other passivation tests, purely chemical, are based on the interpretation of a colour (ferroxyl test), thus offering a strongly subjective datum, often distorted by superficial impurities, ***Passi Test*** releases an exact and indisputable numerical value.

The ***Passi Test*** internal system is calibrated in such a way that the zero is the discriminating point: if the value is higher than zero, then the stainless steel is passivated, if the value is lower than zero, the passivation is either scarce or non-existent. As such, it is possible to compare different kinds of stainless steel: the higher than zero is the value, the better the passivation of the sample; the lower than zero is the value, the absence of any passivation of the tested stainless steel.

***Passivation results can be influenced by surface contours, finish and impurities.***

The cleaner, smoother and more highly polished the surface the better the results