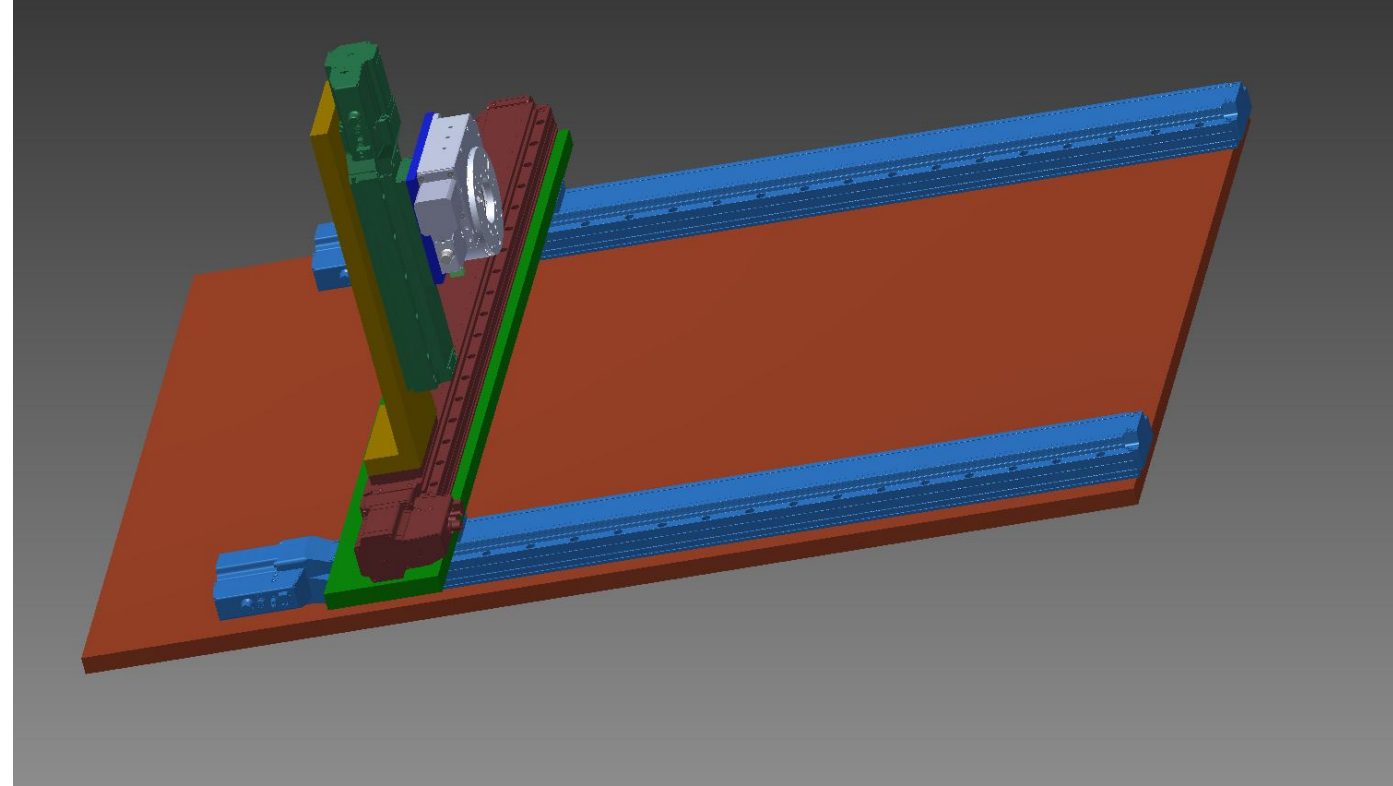


INFN Loading machine setup

Starting specifications

- X 1000 mm (2 parallel stages)
- Y 750 mm (1 stage)
- Z 100 mm (1 stage)
- Theta stage
 - Accuracy: 10 micron
 - Repeatability: +/- 2 micron
 - External Load max : 2/3 kg



Selection best machine

First budget cost

Aerotech (accuracy 10um) 110000 €

Zaber Technologies (accuracy 15um) 42000 €

PI (Physik Instrumente) (accuracy 10um) 180000 €

We are waiting to receive from each manufacturer a formal offer for the purchase of two machines. As for Zaber, it is a Canadian company and has sold 3 Gantry systems to INFN Sections.

The references of our colleagues are positive.

The Zaber product we are talking about is a new solution for the world market, it will be released in March 2018 but we will soon receive data sheets in a confidential way.

The accuracy of the Zaber system, (1000 mm axis too) is 15u

Within 7/10 days we will have new offers and very detailed technical specifications and we will be able to make a very rational comparison.

We can probably call the tendering procedure between March / May, make it in June, and have it delivered at the Laboratories of Genova and Lecce between September / October 2018