



Success Cases – Science Primary Slits for linear accelerator

- **Function & Architecture**
 - Primary Slits for linear particle accelerator
- **Product Specificity & Achievements**
 - Slits remote operated
 - Cross design with 10 micron displacement accuracy
 - Power dissipation estimation 1000 W / mm²
 - H₂O refrigeration
 - Control of motorized displacements of blades
 - Graphic positioning of blades
 - Tantalum blades
 - Reading of the current of electrons that hits on the blades
 - Tightness: ultra high vacuum (UHV)
- **Main skills involved & Value Added:**
 - Precision mechanics
 - Materials science
 - Vacuum technology
 - Electronic control technology

