ISP SYSTEM is a comprehensive program in Precision Engineering and is specialized in Design and Manufacturing of High Precision mechanic and mechatronic equipment.

Providing highly innovative and custom solutions is our commitment. Our expertise in precision engineering helps us deliver solutions fitting customer’s challenging application needs. Customized products can be offered to fully dedicated turnkey solutions, including design, testing and manufacturing. Our multidisciplinary skilled teams, specialists in their fields, have gained precision engineering knowledge.

ISP SYSTEM delivers annually up to 5 000 embedded actuators to 10 000 micro-positioning devices and opto-mechanism, 50 high precision machines, 2 000 mechatronics modules for medical devices mainly in Europe. ISP SYSTEM has been recently extending its activity all over the world.

ISP SYSTEM provides a spectrum of services including: R&D, Design, Prototype Manufacturing, Industrialization, Mass production, Commissioning, After Sales ...

ISP SYSTEM was founded in 1997. ISP Group is a SME of 100 skilled peoples (including its factories), 30 % of them are graduates. ISP SYSTEM is Quality certified ISO 9001 and EN 9100.

ISP SYSTEM is member of competitiveness clusters such as “Aerospace Valley”, “Alpha-RLH”, “Photonics France”, “Optitec” and “EPIC”.

ISP SYSTEM’s catalogue includes opto-mechanical systems integrating our own micro and nanopositioning actuators.

Motorized mirror mounts and deformable mirrors compatible with any laser beam characteristics are proposed. They can be supplied with or without optics and control electronics.

ISP SYSTEM has in-house testing capabilities to validate the optical, mechanical and outgassing properties.

Our products are vacuum compatible. Materials, lubricants and assembly methods are selected for each application in order to fulfill outgassing requirements.

FEM analysis can be performed in case high mechanical stability is required.

On-site installation and maintenance is also proposed.
DEFORMABLE MIRRORS

- High stiffness and high stability
- High resolution
- Customization possible for each application
- Any aperture from 1/2 " up to Ø2m
- Control electronics available
- Low outgassing version available
- With or without optics
- Complete beam transport system available

CUSTOMER APPLICATIONS: INTENSE LASER, IR LASER, SYNCHROTRON BEAM LINE, SPACE TELESCOPE, …

MOTORIZED MOUNTS

- High stiffness and high stability
- High resolution
- Customization possible for each application
- Any aperture from 1/2 " up to Ø2m
- Low outgassing
- Easy maintenance (coated substrate and actuators replaceable)
- DM design and actuator distribution dedicated to each application

CUSTOMER APPLICATIONS: LASER, BIOTECHNOLOGICAL EQUIPMENT, SCIENCE EQUIPMENT, MICROSCOPY, …
OUR REFERENCES

AIRBUS D&S · AMPLITUDE LASER · CEA-DAM · CELIA · CIAE · CNES · CNRS · ELI · ENSTA · ESA · FSU · HZDR · GSI · INFLPR · INRS · LBNL · LLE · LLNL · LMU · LOA · LULI · MPQ · NATIONAL ENERGETICS · ONERA · PKU · PSI · QST · SAFRAN · SAFRAN REOSC · SODERN · STFC · SYNCHROTRON SOLEIL · THALES · THALES ALENIA SPACE · TIFR · UNIVERSITY OF TEXAS · UNL